

APPENDIX 4 SOIL & GROUNDWATER CHEMICAL BASELINE



Kettering Gateway – Plot 4b Environmental Risk Assessment Report

SEGRO plc

Date: 2 June 2021

Doc ref: 14441-HYD-XX-XX-RP-GE-1001-S2-P02

DOCUMENT CONTROL SHEET

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Client	SEGRO plc	
Project name	Kettering Gateway – Plot 4b	
Title	Environmental Risk Assessment Report	
BIM reference	14441-HYD-XX-XX-RP-GE-1001-S2-P02	
Project reference	C-14441	
Date	02/06/2021	

Document Production Record		
Status and Revision	S2 P02	Name
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Document Revision Record			
Status	Revision	Date	Revision Details
S2	P01	07/05/21	Initial Issue
S2	P02	02/06/21	Updated on completion of ground gas and groundwater monitoring

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EXECUTIVE SUMMARY

<i>SITE INFORMATION AND SETTING</i>	
Objectives	Due Diligence ground investigation after earthworks to confirm underlying ground and geo-environmental conditions.
Client	SEGRO plc
Site name and location	Kettering Gateway Plot 4b
Proposed development	Industrial / Commercial.
<i>GROUND MODEL</i>	
Ground and groundwater conditions encountered by investigation (all data)	<p>The ground conditions as proven by the investigation undertaken at the site comprise:</p> <ul style="list-style-type: none"> • Engineered Fill – to between 0.50m and 3.10m below ground level (bgl), located in the north and northwest of the site comprising reworked Northampton Sand Formation comprising a orangish brown sandy gravelly clay with varying proportions of secondary constituents. over • Northampton Sand Formation to depths of between 0.40 - >4.00m bgl comprising an orangish brown sandy slightly gravelly clay or clayey gravelly sand although recorded as a gravel in parts. Gravel consisted of ironstone; over • Whitby Mudstone Formation (thickness unproven) underlying the Northampton Sand formation and in WS51 only from surface comprising a grey to bluish grey thinly laminated clay. <p>Groundwater was encountered at between 0.50m bgl and 3.00m bgl during the investigation. Water levels recorded post-fieldwork range from 0.94m bgl to 2.53m bgl (84.36m OD to 86.12m OD).</p>
<i>GEO-ENVIRONMENTAL CONCLUSIONS</i>	
Conclusions of contamination Generic risk assessment	<p>Human health:</p> <ul style="list-style-type: none"> • No pervasive chemicals of potential concern identified. <p>Plant growth:</p> <ul style="list-style-type: none"> • No pervasive chemicals of potential concern identified. <p>Ground gases or vapours:</p> <ul style="list-style-type: none"> • Low risk from ground gases and CS1 conditions apply, however full radon precautions are recommended. <p>Water supply pipes:</p> <ul style="list-style-type: none"> • Standard pipework is envisaged. However, confirmation should be sought from the water supply company at the earliest opportunity.
Waste management	Excavated soils to be disposed of as waste, are likely to be classed as non-hazardous and may be classified as inert (exception of WS17 which is non hazardous on account on sulphates).

This Executive Summary forms part of Hydrock Consultants Limited report number 14441-HYD-XX-XX-RP-GE-1001-S2-P02 and should not be used as a separate document.

1. INTRODUCTION

1.1 Terms of reference

In April 2021, Hydrock Consultants Limited (Hydrock) was commissioned by SEGRO plc (the Client) to undertake a due diligence ground investigation at Kettering Gateway – Plot 4b.

As part of the development of the site for a commercial end use the site has undergone earthworks in 2016 to create a level development plateau. Hydrock has previously prepared a Geotechnical Feedback Report covering the earthworks reference KGW-HYD-XX-GF-RP-GE-006 dated September 2017.

It is understood that during the Due Diligence phase a potential purchaser, or tenant, has raised a question regarding the contamination and environmental aspects of the site with the only available report on these elements comprising a ground investigation report prepared by RSK during the enabling work in 2016 (report reference 313074-01(00)). SEGRO have commissioned Hydrock to prepare an updated report covering the current environmental aspects of the site.

The works have been undertaken in accordance with Hydrock's proposal referenced (C-14441-E-003, 13th April 2021) and the Client's instructions to proceed (Ref email from Ian Hooke (Segro) to Ian Gardner (Hydrock) dated 14th April 2021).

1.2 Objectives

The works have been commissioned as part of the due diligence process. The objectives of the Phase 2 Ground Investigation are to validate the geo-environmental site conditions post enabling works in relation to the underlying soils and potential for ground gases Scope

The site investigation includes a Phase 2 Ground Investigation.

The scope of the Phase 2 Ground Investigation comprises:

- a ground investigation including window sampling to:
 - obtain data on the ground and groundwater conditions of the site;
 - allow collection of samples for chemical laboratory analysis;
 - install gas and groundwater wells;
- gas and groundwater monitoring;
- chemical laboratory analysis;
- a Ground Model;
- an updated Conceptual Site Model (CSM), including identification of plausible pollution linkages;
- generic quantitative risk assessment of potential chemical contaminants to establish 'suitability for use' under the current planning regime;
- discussion of potential environmental liabilities associated with land contamination (soil, water and gas); and
- outline mitigation requirements to ensure the site is 'suitable for use'.

At the Client's request, this commission does not include geotechnical investigation and assessment which are contained within Geotechnical Feedback Reports relating to the Main Site prepared by Hydrock.

1.3 Available information

The following have been provided to Hydrock by SEGRO plc for use in the preparation of this report:

- RSK. November, 2015. 'Supplementary Factual Ground Investigation Report: Kettering East Business Park'. Ref: 313074-01(00), undertaken for Roxhill Developments Limited; and
- RSK. November, 2015. 'Supplementary geotechnical ground investigation interpretive report: Kettering East Business Park'. Ref: 313074-01(00), undertaken for Roxhill Developments Limited.

It is assumed that SEGRO plc has commissioned or obtained assignment of the above documents and Hydrock has full reliance on them.

The following Report have been undertaken by Hydrock previously for the Kettering Gateway Development which incorporates the Plot 4b development area:

- Hydrock. October 2016. 'Kettering Gateway Geotechnical Design Report for Enabling Works'. Ref KGW-HYD-XX-GD-RP-G-0001-S2-P4; &
- Hydrock September 2017. 'Kettering Gateway Geotechnical Feedback Report'. Ref KGW-HYD-XX-GF-RP-GE-0006-S2-P1

The provided reports have informed the Conceptual Site Model used as the basis for the preliminary geo-environmental exposure model presented in Section 0.

1.4 Regulatory context and guidance

The investigation work has been carried out in general compliance with recognised best practice, including (but not limited to) BS 5930:2015, BS 10175:2011+A2:2017 and the AGS (2006) Good Practice Guidelines for Site Investigations.

The geo-environmental section of this report is written in broad agreement with BS 10175:2011+A2:2017, the LCRM Land contamination risk management (Environment Agency 2004) and the AGS (2020) Good Practice Guidelines for Site Investigations.

Phase 2 comprises intrusive ground investigation work and testing. The factual data from Phase 2 are used to develop the Conceptual Site Model (CSM). This comprises a ground model of the physical conditions and an exposure model of the possible contaminant linkages. The CSM forms the basis for Generic Quantitative Risk Assessment (GQRA) in accordance with current guidelines. This GQRA might lead to more Detailed Quantitative Risk Assessment (DQRA).

Professional judgement is then used to evaluate the findings of the risk assessments and to provide recommendations for the project.

Remaining uncertainties and recommendations for further work are listed in Section 7.

2. CONCEPTUAL SITE MODEL

2.1 Ground model

The ground model was reviewed in the previous reports forms the understanding of the ground conditions that inform the preliminary geo-environmental exposure model (Section 2.2).

2.2 Geo-environmental exposure model

The preliminary exposure model is based on information presented within the historical reports and is used for geo-environmental hazard identification and establishing potential contaminant linkages based on the contaminant-pathway-receptor approach.

A pollutant linkage requires all the elements (S-P-R) to be present. If only one or two are present, there is no linkage and further assessment is not required.

2.2.1 *Potential contaminants*

For the purpose of this assessment the potential contaminants have been separated according to whether they are likely to have originated from on-site or off-site sources.

Potential on-site sources of contamination

- S 1. Hydrocarbon fuels, lubricant and oil associated with plant used during the 2016 enabling works.
- S 2. Ground gases (carbon dioxide and methane) from organic materials in the Engineered Fill.
- S 3. Naturally occurring elevated concentrations of metals within soils (Arsenic in the Northampton Sand Formation).
- S 4. Radon Gases from the Northampton Sand Formation

Potential off-site sources of contamination

No potential off-site sources of contamination have been identified.

2.2.2 *Potential pathways*

The following potential pathways have been identified.

- P 1. Humans: ingestion, skin contact, inhalation of dust and outdoor air.
- P 2. Buildings: methane ingress via permeable soils and/or construction gaps.
- P 3. Buildings: VOC and petroleum hydrocarbon vapour ingress via permeable soils and/or construction gaps.
- P 4. Plant life: root uptake.
- P 5. Underlying groundwater: migration of contaminant via leachate dispersion through the unsaturated zone in the Northampton Sand Formation.
- P 6. Surface water: overland flow.

P 7. Surface water: drainage discharge.

2.2.3 *Potential receptors*

The following potential receptors in relation to the proposed land use have been identified.

- R 1. Humans (neighbours, site end users).
- R 2. Development end use (buildings, utilities and landscaping).
- R 3. Groundwater: Secondary A aquifer status of the Northampton Sand Formation.
- R 4. Surface water: on-site attenuation pond.

Health and safety risks to site Contractors and maintenance workers have not been assessed during these works and will need to be considered separately.

The above plausible sources, pathways and receptors have been carried forward for investigation and assessment. The investigation is presented in Section 4 and the assessment is presented in Section 5. An assessment of the Source – Pathway – Receptor linkages is undertaken following the assessment (Section 5) and is presented in Appendix F (Table K.2).

3. GROUND INVESTIGATION WORKS

3.1 Investigation rationale

The ground investigation rationale based on the findings of the preliminary risk assessment is summarised in Table 3.1.

Table 3.1: Investigation rationale

Exploratory Holes	Purpose
WS 01-60	To confirm shallow ground conditions. To allow collection of samples for contamination testing. Approximate 50m grid spacing. Installation of gas and groundwater monitoring and sampling wells.

3.2 Constraints

Windowless sample WS24 was moved due to a stockpile being present in the centre of the site.

3.3 Site works

The fieldwork took place between 19th and 22nd April and is summarised in Table 3.2. The site investigation locations were surveyed in by a survey grade GPS instrument and are shown on the Exploratory Hole Location Plan (Hydrock Drawing 14441-HYD-XX-XX-DR-GE-0002) in Appendix A.

The logs, including details of ground conditions, soil sampling, *in situ* testing and any installations, are also presented in Appendix B.

The weather conditions during the Hydrock fieldwork and for the previous week were dry.

Table 3.2: Summary of site works

Activity	Method	No.	Depth (Maximum)	<i>In situ</i> tests	Notes (e.g. installations)
Drilling, Pitting and Probing					
Boreholes	Windowless Sampling	60	4.00m	-	63mm HDPE wells with gas taps in ten holes

A number of the windowless sample boreholes were installed with wells for monitoring groundwater levels and ground gas concentrations. A summary of the monitoring well installations is presented in Table 3.3.

Table 3.3: Summary of monitoring installations

Exploratory Holes	Ground level (m OD)	Standpipe diameter (mm)	Screen top and base depth (m bgl)	Screen top and base elevation (m OD)	Strata targeted
WS11	87.34	50	1.00 to 2.00	86.34 to 85.34	Northampton Sand Formation and Whitby Mudstone Formation.
WS15	87.40	50	1.50 to 2.50	85.90 to 84.90	Northampton Sand Formation.
WS22	87.38	50	2.00 to 3.00	85.38 to 84.38	Northampton Sand Formation.
WS26	87.37	50	2.00 to 3.00	85.37 to 84.37	Whitby Mudstone Formation.
WS34	87.36	50	1.00 to 2.00	86.36 to 85.36	Northampton Sand Formation.
WS38	85.36	50	1.00 to 3.00	84.36 to 82.36	Northampton Sand Formation and Whitby Mudstone Formation.
WS40	87.49	50	1.00 to 3.00	86.49 to 84.49	Northampton Sand Formation and Whitby Mudstone Formation.
WS42	87.46	50	1.00 to 2.10	86.46 to 85.36	Northampton Sand Formation and Whitby Mudstone Formation.
WS45	87.32	50	1.00 to 2.00	86.32 to 85.32	Whitby Mudstone Formation.
WS60	87.36	50	1.00 to 1.50	86.36 to 85.86	Northampton Sand Formation.

3.4 Geo-environmental testing

3.4.1 Sampling strategy and protocols

Exploratory hole positions were proposed on a 50m grid to allow for complete coverage of the site.

Samples were taken, stored and transported in general accordance with BS 10175:2011+A2:2017.

3.4.2 Site screening tests

A photoionization detector (PID) (Tiger Phocheck 10.3ev) was used during the fieldwork to screen samples. The PID readings are detailed on the exploratory hole logs in Appendix B.

3.4.3 Geo-environmental monitoring

Gas monitoring boreholes have been monitored on four occasions which completes the current commission. The results are presented in Appendix C. Monitoring is ongoing and this report will be updated on completion of the monitoring.

3.4.4 Geo-environmental laboratory analyses

The chemical test certificates are provided in Appendix D. Wherever possible, UKAS and MCERTS accredited procedures have been used.

The geo-environmental analyses undertaken on soils are summarised in Table 3.4.

Table 3.4: Geo-environmental analyses of soils

Determinand Suite	Engineered Fill (Northampton Sand Derived)	Northampton Sand Formation	Whitby Mudstone Formation
Hydrock minimum suite of determinands for solids	9	49	2
Total petroleum hydrocarbons by GC-FID	5	14	1
Full WAC Suite	1	3	1

The soils chemical test data are interpreted and assessed in Sections 5.3 and 5.4.

4. GROUND INVESTIGATION RECORDS AND DATA

4.1 Physical ground conditions

4.1.1 Summary of strata encountered

The following presents a summary of the properties of the ground and groundwater conditions encountered, based on field observations, interpretation of the field data and laboratory test results, taking into account drilling, excavation and sampling methods, transport, handling and specimen preparation.

Details of the Hydrock ground investigation works are provided in the logs in Appendix B and a summary of the ground model is presented in Table 4.1 and the individual strata are described in the sections below.

Table 4.1: Strata encountered

Stratum	Depth to top (m bgl)	Depth to base (m bgl)	Thickness (m) (range)	Thickness (m) (average)
Engineered Fill	Ground level	0.50 – 3.10	0.50 – 3.10	1.74
Northampton Sand Formation	Ground level – 3.10	0.40 – >4.00	0.40 – >2.50	1.41
Whitby Mudstone Formation	Ground level – 1.90	>1.50	>1.50 - >3.00	Not proven

4.1.2 Engineered Fill

Engineered Fill was recorded across the north and north western area of the site. Engineered Fill was between 0.50m and 3.10m thick, with an average thickness of 1.71m and only present in the north and northwest of the site with the remainder of the site having been the subject of ‘cut’ operations to win Fill for other parts of the wider development.

In general, the Engineered Fill comprised orangish brown sandy gravelly clay with varying proportions of secondary constituents including ironstone.

It should be noted that it was difficult to distinguish between natural strata and Engineered Fill on site with the Fill largely derived from Northampton Sand Formation materials. As such, the logs were correlated with the proposed draft cut to fill model presented in Hydrock Drawing 151877/GDR/002 (draft) dated 26/01/16).

4.1.3 Northampton Sand Formation

Northampton Sand Formation was encountered from surface across the central and southern portions of the site and at depth beneath the Engineered Fill in the north and north west where it underlies the Engineered Fill.

This generally consisted of orangish brown sandy slightly gravelly clay or clayey gravelly sand although recorded as a gravel in parts. Gravel consisted of ironstone.

4.1.4 Whitby Mudstone Formation

Whitby Mudstone Formation was encountered from surface in WS51 in the south west of the site and underlying the Northampton Sand Formation (where fully penetrated) in the centre, east and south of the site and at depth beneath the north of the site beneath Engineered Fill and Northampton Sand

Formation materials. The thickness of the Whitby Mudstone Formation was unproven by these works but was proven to at least 8m by previous RSK works.

The Whitby Mudstone generally consisted of grey or bluish grey thinly laminated clay with occasional shell fragments near the surface and grading into mudstone with limestone bands at depth (as reported by RSK).

4.2 Groundwater

4.2.1 Groundwater strikes and levels

Groundwater strikes encountered during the investigation are summarised in Table 4.2.

Table 4.2: Groundwater strikes

Stratum	Date	Exploratory hole	Fieldwork
			Groundwater strike (m bgl)
Engineered Fill	20/04/21	WS01	1.30
		WS03	2.60
	21/04/21	WS21	1.20
Northampton Sand Formation	20/04/21	WS02	3.00
		WS07	1.00
		WS08	0.55
	21/04/21	WS09	0.50
		WS14	1.00
	19/04/21	WS19	2.10
	WS38	1.20	

Groundwater levels recorded during post-fieldwork monitoring are summarised in Table 4.3.

Table 4.3: Groundwater level data summary

Stratum	Date range	Exploratory hole	Post-fieldwork monitoring	
			Depth to groundwater (range) (m bgl)	Groundwater elevation (range) (m OD)
Northampton Sand Formation	30/04/21	WS15	Dry	-
		WS22	2.53	84.85
		WS42	1.34	86.12
Northampton Sand Formation / Whitby Mudstone Formation	30/04/21	WS11	0.94	86.40
		WS34	1.91	85.45
		WS38	1.00	84.36
		WS40	1.80	86.15
Whitby Mudstone Formation	30/04/21	WS26	1.31	86.06
		WS45	Dry	-

Stratum	Date range	Exploratory hole	Post-fieldwork monitoring	
			Depth to groundwater (range) (m bgl)	Groundwater elevation (range) (m OD)
		WS60	Dry	-

4.2.2 Groundwater summary

In general, limited quantities of shallow groundwater were encountered during drilling operations within the Northampton Sand Formation or in the Engineered Fill. These most likely represent perched groundwater trapped within more granular bands or pockets within the Northampton Sand Formation or just above layers of Northampton Sand Formation that contained a higher proportion of fine materials.

No groundwater was encountered in the underlying Whitby Mudstone Formation.

4.3 Ground gases (carbon dioxide and methane)

Records from the gas monitoring boreholes are presented in Appendix C and summarised in Table 4.4.

One monitoring visit has been undertaken to date with a further three visits to be undertaken as part of the current commission. The data are assessed in Section 5.5.

Table 4.4: Range of ground gas data

Stratum	Methane (%)	Carbon dioxide (%)	Oxygen (%)	Steady flow rate (l/hr)
Northampton Sand Formation	0.1	0.5 – 1.3	14.3 – 21.1	0.2
Northampton Sand Formation / Whitby Mudstone Formation	0.1	0.1 – 0.8	20.3 – 21.1	-1.4 – 0.2
Whitby Mudstone Formation	0.1	0.3 – 1.3	18.8 – 20.9	0.10 – 0.20

4.4 Organic vapours

The PID results are provided on the logs in Appendix B. There were no significantly elevated PID results above background concentration with a maximum reading of 11.5 ppm in WS36 at 1.00m. Data is assessed in Section 5.5.

5. GEO-ENVIRONMENTAL ASSESSMENT

5.1 Updated conceptual site model

5.1.1 *Updated ground model*

The preliminary conceptual ground model has been updated using the findings of the ground investigation and is detailed in Section 2. This ground model is used in the geo-environmental assessment presented in the following section.

5.1.2 *Updated exposure model*

Following the site investigation, the plausible contaminant sources, receptors and pathways identified in the preliminary geo-environmental exposure model (Section 2), have been updated or confirmed as follows.

Sources

No potential sources have been removed from, or added to, the exposure model.

Pathways

No pathways have been removed from, or added to, the exposure model.

Receptors

No potential receptors have been removed from, or added to, the exposure model.

With reference to the updated ground model and updated exposure model reported above, generic risk assessment is undertaken below.

5.2 Risk assessment approach

A number of generic risk assessments have been undertaken in accordance with the principles of LCRM 2020 using the CSM that has been updated following the ground investigation.

Firstly, the risks associated with the identified potential contaminant linkages have been estimated using standardised methods (typically involving comparison of site data with published 'screening values'. Secondly, where screening values are exceeded, the risks have been evaluated in an authoritative review of the findings with other pertinent information to determine if the exceedance may be acceptable in the particular circumstances. For details please refer to the reference in Appendix G.

The data sets used comprise the appropriate analytical results obtained by Hydrock and listed in Section 3.

5.3 Human health risk assessment

This is a Tier 2 assessment using soil screening values for commercial / industrial CLEA land use scenario.

The soil screening values used are generic assessment criteria (GAC). The Category 4 Screening Levels (C4SL) for lead have been used as there are no recognised GAC and the use of the term 'GAC' in this report includes these.

Statistical testing is used where data sets are suitable. For data sets with low sample numbers, individual sample test results are compared directly with the screening values.

The phrase 'further assessment required' is used to denote soil concentrations that are equal to, or exceed, a GAC. This does not necessarily mean that the soil is 'contaminated' or not fit for use. The assessment and any mitigation works required are to ensure the site does not pose an 'unacceptable risk'.

The results of the assessment are presented in Appendix D.

5.3.1 *Averaging areas*

The 'averaging area' used in this report is based on the conceptual model and the proposed development, and is taken to be the entire area of the site, with the data separated into Engineered Fill and natural soils.

5.3.2 *Risk estimation (including statistical testing)*

Statistical assessment

In line with the guidance provided by the CIEH (May 2008) the 95th upper confidence level on the true mean (US₉₅) has been calculated from the sample data. Reference to the methodology for statistical assessment is given in Appendix G.

Based on a US₉₅ exceedance of the GAC, there are no pervasive chemicals of potential concern which require further assessment.

While arsenic and vanadium are slightly elevated in samples of Northampton Sand Formation and Engineered Fill (itself derived from Northampton Sand Formation materials) these levels are consistent with background levels in the local area and are not assessed to be a significant risk to human health.

5.3.3 *Risk estimation (without statistical testing)*

There are no chemicals that individually exceed the GAC, therefore no further assessment is required.

5.4 Plant life risk assessment

5.4.1 *Risk estimation*

Priority phytotoxic chemical concentrations have been screened against published values to determine the likely risk to plant growth and the findings presented in Appendix D. As with human health, statistical testing is used where data sets are suitable, otherwise individual sample test results are compared directly with the screening values.

Based on a US₉₅ exceedance of the GAC, there are no pervasive chemicals of potential concern which require further assessment.

5.5 Ground gases risk assessment

5.5.1 Data

It is judged from the available evidence that the gas generation potential at the site is negligible to low due to Engineered Fill being placed on site and natural soils with low organic content and the sensitivity of the development is low due to the commercial end use of the site. Consequently, and in accordance with CIRIA C665 (Table 5.5a and 5.5b), an appropriate minimum monitoring regime is four readings over one month, provided other monitoring requirements are also met, such as prevailing atmospheric pressure conditions (for example, BS 8485:2015 suggests monitoring should include a period of falling atmospheric pressure).

Hydrock has undertaken the four readings required, including during low / falling atmospheric pressure. The conclusions presented below are considered final.

5.5.2 Assessment

The risks associated with the ground gases methane (CH₄) and carbon dioxide (CO₂) have been assessed using BS 8485:2015, which cites the guidelines published by CIRIA (Wilson et al 2007) (known as Situation A).

There is an alternative assessment method detailed by the NHBC (Boyle and Witherington 2007) (known as Situation B). Whilst 'Situation B' may also be suitable for the assessment, it is Hydrock's opinion that the NHBC Guidelines are not at the current time fully aligned with current ground gas risk assessment principles (as detailed in BS 8485:2015). As such, 'Situation A' has been chosen as a conservative assessment of risk.

The assessment guidelines published by CIRIA are based on interpretation of the gas concentrations and the gas flow rates, amongst other variables, and are compliant with the model procedures of LCRM 2020. The modified Wilson and Card assessment has been used by comparing the maximum gas concentrations and gas screening values (GSV¹) in Appendix D with the published table (CIRIA Table 8.5, reproduced below as Table 5.1) and the assessment is summarised in Table 5.1.

Table 5.1: Ground gas risk assessment

	Min	Max	Typical	Comment
Steady Flow Rate (l/hr)	-8.6	4.3	<1	-
Methane (%)	<0.1	<0.1	<1	Methane generally at, or below, limit of detection of monitoring device.
Carbon Dioxide (%)	0.1	1.6	<1	-
Oxygen (%)	14.3	21.1	-	-
Carbon Dioxide GSV based on Maximum Values (Site) (l/hr)	<0.07	0.086	<0.07	CS1
Methane GSV	<0.07	<0.07	<0.07	CS1

¹ Note: GSV is synonymous with 'site characteristic hazardous gas flow rate' (Q_{hgs}) of BS 8485:2015.

	Min	Max	Typical	Comment
based on Maximum Values (Site) (l/hr)				
For the purposes of the calculation, where the recorded gas flow rate is below the manufacturer's limit of detection for the instrument used, the detection limit has been adopted for the gas flow rate.				

As indicated in Table 5.1, the computed GSV for carbon dioxide and methane indicates CS1 conditions. Monitoring is ongoing and the conclusions will be updated following the completion of the ground gas monitoring.

5.5.3 Radon

The radon risk is reported by reference to the Indicative Atlas of Radon in England and Wales (Miles et al 2007) and Annex A maps in BR 211 (Scivyer 2015). The guidance indicates that the site is in a Radon Affected Area where recorded radon levels in more than 30% of properties are above the action level and full radon protection measures commensurate with the guidance given in BR211 are required for new buildings at this location. Given the nature of the proposed development this will likely comprise the use of an enhanced DPM providing full radon protection in conjunction with supplementary protection in the form of the provision for future subfloor depressurisation (radon sump and associated pipework). Further guidance is provided in BR211 Chapter 5 to which the Designer should refer in the first instance.

5.6 Construction materials risk assessment

5.6.1 Water pipelines

A formal water pipe investigation and risk assessment is beyond the scope of this report. However, the findings of this investigation have been compared to the threshold values in Water UK HBF (2014), Table 1 as far as is practicable, to give an indication of the possible restrictions to the use of plastic pipes for water supply to the site (see the reference in Appendix G for further details).

The site is previously undeveloped and the preliminary risk assessment and investigation has indicated no plausible contaminant sources. It is envisaged that standard pipework will be suitable for the site. However, confirmation should be sought from the water supply company at the earliest opportunity.

5.7 Contamination risks to ground workers

Whilst risks to construction workers are not discussed in detail, the following section discusses potential risks that should be considered.

Information presented in this document is provided to assist in managing the risk associated with contamination in soil and groundwater at the site but is not definitive. The Contractors are responsible for undertaking their own assessments and assessing what risks are present and what control measures are required.

Task specific risk assessments and method statements should be in place, and risks and required mitigation measures communicated to all relevant personnel prior to the works commencing. Appropriate PPE and, if required, RPE should be provided and utilised.

5.7.1 *Ground Gas*

It is noted that concentrations of carbon dioxide (an asphyxiant) in the soil exceed HSE Workplace Exposure Limits for personnel in the working environment of 0.5% for long term exposure. Furthermore, soil concentrations of oxygen are below the HSE recommendations of 18%.

Soil gas concentrations are not necessarily reflected by those in the breathing zone, as such, all Contractors and maintenance workers should be made aware of the possible presence of carbon dioxide and should take all necessary health and safety precautions when working in trenches or confined spaces.

5.7.2 *Asbestos*

As no clearly identifiable ACM has been seen during the site walkover or during the site investigation and no fibres have been detected in soil samples, CAR2012 does not apply. However, there is always the possibility of unexpected contamination and the Contractors should undertake a watching brief during the works. If any suspect material is encountered, works in that area of the site should stop, the area fenced off and Hydrock should be notified.

5.8 Findings of the generic contamination risk assessments

The potential sources, pathways and receptors identified in the Conceptual Model (Section 2) have been investigated (Sections 3 and 4) and assessed (Sections 5.2 to 5.6). A Source-Pathway-Receptor linkage assessment has been undertaken and is presented in Appendix F (Table F.2).

There are no Source-Pathway-Receptor contaminant linkages which require mitigation other than the provision of full radon protection measures.

6. WASTE AND MATERIALS MANAGEMENT

6.1 Waste

6.1.1 Introduction

Any material excavated on site may be classified as waste and it is the responsibility of the holder of a material to form their own view on whether or not it is waste. For further details, please refer to Appendix G.

Prior to removal from site, any waste material must be classified as being either hazardous or non-hazardous, using the characterisation assessment and analysis described by the WM3 technical guidance. Then, if a waste hierarchy assessment determines that disposal to landfill is the appropriate option for the waste, chemical WAC testing must be undertaken on the actual soils designated as waste and destined for inert, stable non-reactive hazardous or hazardous classes of landfill.

The following section is a preliminary classification of waste based on the site investigation data. However, the actual classification can only be undertaken by the receiving landfill as licence conditions vary from landfill to landfill. If material is to be removed from the site, prior to export, the data in this report should be presented to the proposed receiving landfill site for it to confirm that it is suitably licensed to accept them. Additional testing on the actual excavated soils to be disposed of, will be necessary at the time of disposal.

6.1.2 Preliminary waste classifications

Based on the site history, WAC testing and the HazWasteOnline™ assessment (see Appendix E), if suitable segregation of different types of waste is put in place, for soils to be disposed of, it is considered that:

- the natural soils are likely to be classified as non-hazardous waste and may be able to be disposed of at an inert landfill. A single sample within the Whitby Mudstone (WS51 at 0.10m) recorded as non-hazardous during WAC analysis due to Sulphate.
- the Engineered Fill is likely to be classified as non-hazardous waste and may be able to be disposed of at an inert landfill

It should be noted that:

- The above preliminary assessment has been made on the basis of the soils tested as part of the ground investigation. Prior to disposal, the characteristics of the actual soils to be disposed of will need testing and classification in consultation with landfill sites and waste disposal Contractors. The receiving landfill will make the final decision on the classification and acceptability of the waste.
- Non-hazardous soils require pre-treatment (separation, sorting and screening) prior to disposal.
- The costs for disposal of non-hazardous and hazardous soils are significant compared to disposal of inert material.
- In addition to disposal costs, landfill tax will be applicable. Non-hazardous and hazardous waste will generally be subject to the Standard Rate Landfill Tax).

6.2 Materials management

6.2.1 Introduction

From 1 April 2018, the scope of Landfill Tax has been extended to sites operating without the appropriate environmental disposal permit, and operators of illegal waste sites will now be liable for Landfill Tax. Full details are available at: <https://www.gov.uk/government/publications/landfill-tax-disposals-not-made-at-landfill-sites/landfill-tax-disposals-not-made-at-landfill-sites>.

HM Revenue and Customs (HMRC) will be charging landfill tax on illegal waste deposits on construction sites and HMRC also has the ability to prosecute for landfill tax evasion fines for any illegal deposits. However, where an operator can demonstrate they are compliant with a recognised waste exemption, Code of Practice, or Quality Protocol, they will remain outside the scope of the tax.

In summary, if non-natural or contaminated soils are excavated and reused on sites (or soils are moved to or from another site for reuse), without a MMP or appropriate Permit in place, anyone who knowingly facilitates the disposal may be jointly and severally liable to any assessment of tax, fines, or prosecution.

It is worth noting that the legislation covering waste management has not changed. However, the mechanism that the Environment Agency and HMRC will use to enforce it has changed.

However, provided that soils are managed in accordance with 'The Definition of Waste: Development Industry Code of Practice', Version 2 (CL:AIRE), known as the DowCoP, the soils will never become a waste.

6.2.2 Materials management scenarios

Naturally occurring, uncontaminated soils

Where soils are naturally occurring, uncontaminated and are reused on the site they are excavated (i.e. completely uncontaminated greenfield site, with no Made Ground), they will fall outside the Waste Framework Directive (WFD) (i.e. they will not be a waste when reused on the site of origin).

However, there needs to be certainty of that reuse, and evidence is necessary to support this strategy. As such, Hydrock would recommend that a Materials Management Strategy document is prepared to prove certainty.

Where soils are naturally occurring and uncontaminated, they only become a waste on leaving the site.

When moving uncontaminated, naturally occurring soils between sites, it must be ensured they are being transferred under a MMP.

Made Ground or contaminated soils

On sites where Made Ground or contaminated (including by naturally occurring chemicals) soils are present, any soils excavated may be a waste.

As such, for any site where Made Ground is present and soils are being moved and reused on, or off site, it could be deemed a waste, and subject to either:

- a Materials Management Plan (MMP), to prevent the material ever being classified as a waste; or

- an exemption (for limited volumes); or
- a permit, dependant on its status.

If Made Ground is being moved between sites, it must be ensured that appropriate permits are in place to ensure the soils are not classified as a waste.

All recycled materials (6F2 etc.) must be produced under the 2013 Aggregates Protocol, whether on site or off site. If it is not, then it will be deemed a waste and can only be used on site under a permit. More information can be found at <https://www.gov.uk/government/publications/quality-protocol-production-of-aggregates-from-inert-waste>.

If materials are not managed as above, all materials placed would be deemed a waste and subject to Landfill Tax at the Standard Rate.

6.2.3 *Materials management plan*

Where required, to prevent soils being classified as waste, all materials / soils movements should be managed under the CLAIRE Definition of Waste: Development Industry Code of Practice (DoWCoP) and a Materials Management Plan (MMP).

Under DoWCoP, to prevent materials being classified as waste, the following factors need to be proven to ensure the soils to be excavated are not waste:

- Factor 1: Protection of human health and protection of the environment.
- Factor 2: Suitability for use, without further treatment.
- Factor 3: Certainty of Use.
- Factor 4: Quantity of Material.

Hydrock recommend that the reuse of soils at sites should be considered during the planning and development process.

Under the DoWCoP, all soils reused must be tested post-excavation to prove they are fit for use.

Construction activities carried out on uncontaminated soils solely for the purpose of improving geotechnical properties e.g. lime / cement modification, are not generally regarded as waste treatment operations and do not require a permit. Should processing be needed (such as screening, treatment or improvement), that would constitute a waste activity and require a mobile treatment permit. This may be as simple as removing oversize material with an excavator bucket, to using a riddle bucket to remove hardcore to full mechanical screening.

Once the MMP is collated, it must be declared by a Qualified Person:

- before soils are placed (where soils are naturally occurring, uncontaminated and reused on the site of origin); or
- before excavation of soils is undertaken (on sites where Made Ground or contaminated soils are present, or soils are to be imported).

Once all material movements have been completed in accordance with the MMP a verification report must be produced, kept for 2 years and provided to the EA on request.

6.2.4 Conclusions

In summary, with regard to materials management:

- The reuse of soils at sites should be considered during the planning and development process.
- If uncontaminated, naturally occurring soils are being excavated and reused on the site of origin in the course of construction activities (i.e. the site is greenfield), a MMP is not required. However, Hydrock would recommend that documentation is prepared that sets out the reasoning for why excavated soils considered not to be a waste.
- If non-natural or contaminated soils are excavated and reused on sites without a MMP, exemption, or appropriate Permit in place, anyone who knowingly facilitates the disposal may be jointly and severally liable to any assessment of tax, fines or prosecution.
- If soils are being moved from one site to another, they need to be uncontaminated, naturally occurring soils and a MMP needs to be in place; or, if Made Ground, appropriate permits must be in place to ensure the soils are not classified as a waste.
- If processing is being undertaken, an appropriate permit must be in place.
- The MMP must have a declaration by a Qualified Person, and verified to ensure it has been undertaken as planned.
- All recycled materials (6F2 etc.) must be produced under the 2013 Aggregates Protocol, whether on site or off site, certificates will be required to prove this.

7. UNCERTAINTIES AND LIMITATIONS

7.1 Site-specific comments

Assessment with regards to Radon risk is outside the scope of this report. However, the Northampton Sand Formation is often associated with elevated Radon. Reference should be made to previously undertaken investigation reports (by others) with regards to the requirement for Radon protection measures.

7.2 General comments

Hydrock Consultants Limited (Hydrock) has prepared this report in accordance with the instructions of SEGRO plc (the Client), by email dated 14th April 2021 under the terms of appointment for Hydrock. Hydrock shall not be responsible for any use of the report or its contents for any purpose other than that for which it was prepared and provided.

This report details the findings of work carried out in April 2021. The report has been prepared by Hydrock on the basis of available information obtained during the study period. Although every reasonable effort has been made to gather all relevant information, all potential environmental constraints or liabilities associated with the site may not have been revealed.

Hydrock has used reasonable skill, care and diligence in the design of the investigation of the site. The inherent variation of ground conditions allows only definition of the actual conditions at the locations and depths of trial pits and boreholes at the time of the investigation. At intermediate locations, conditions can only be inferred.

Groundwater findings described are only representative of the dates on which they were made and levels may vary.

Unless otherwise stated, the recommendations in this report assume that ground levels will remain as existing. If there is to be any reprofiling (e.g. to create development platforms or for flood alleviation) then the recommendations may not apply.

Information provided by third parties has been used in good faith and is taken at face value; however, Hydrock cannot guarantee its accuracy or completeness.

Where the existing report(s) prepared by others have been provided by the Client, it is assumed that these have been either commissioned by the Client, or can be assigned to the Client, and can be relied upon by Hydrock. Should this not be the case Hydrock should be informed immediately as additional work may be required. Hydrock is not responsible for any factual errors or omissions in the supplied data, or for the opinions and recommendations of others. It is possible that the conditions described may have since changed through natural processes or recent activities.

The work has been carried out in general accordance with recognised best practice. The various methodologies used are referenced in Appendix G. Unless otherwise stated, no assessment has been made for the presence of radioactive substances or unexploded ordnance. Where the phrase 'suitable for use' is used in this report, it is in keeping with the terminology used in planning control and does not imply any specific warranty or guarantee offered by Hydrock.

The chemical analyses reported were scheduled for the purposes of risk assessment with respect to human health, plant life and controlled waters as discussed in the report. Whilst the results may be useful

in applying the Hazardous Waste Assessment Methodology given in Environment Agency Technical Guidance WM3, they are not primarily intended for that purpose and additional analysis will be required at the time of disposal to fully classify waste.

Unless otherwise stated, at the time of this investigation the future routes of water supply pipes had not been established. This investigation and sampling strategy may not be fully compliant with UKWIR recommendations. Consequently, a targeted investigation and specific sampling and chemical testing may be required at a later date once the routes of the supply pipes are known. In addition, it is recommended that the relevant water supply company be contacted at an early stage to confirm its requirements for assessment, which may not necessarily be the same as those recommended by UKWIR.

Whilst the preliminary risk assessment process has identified potential risks to construction workers, consideration of occupational health and safety issues is beyond the scope of this report.

Please note that notwithstanding any site observations concerning the presence or otherwise of archaeological sites, asbestos-containing materials or invasive weeds, this report does not constitute a formal survey of these potential hazards and specialist advice should be sought.

Any site boundary line depicted on plans does not imply legal ownership of land.

8. REFERENCES

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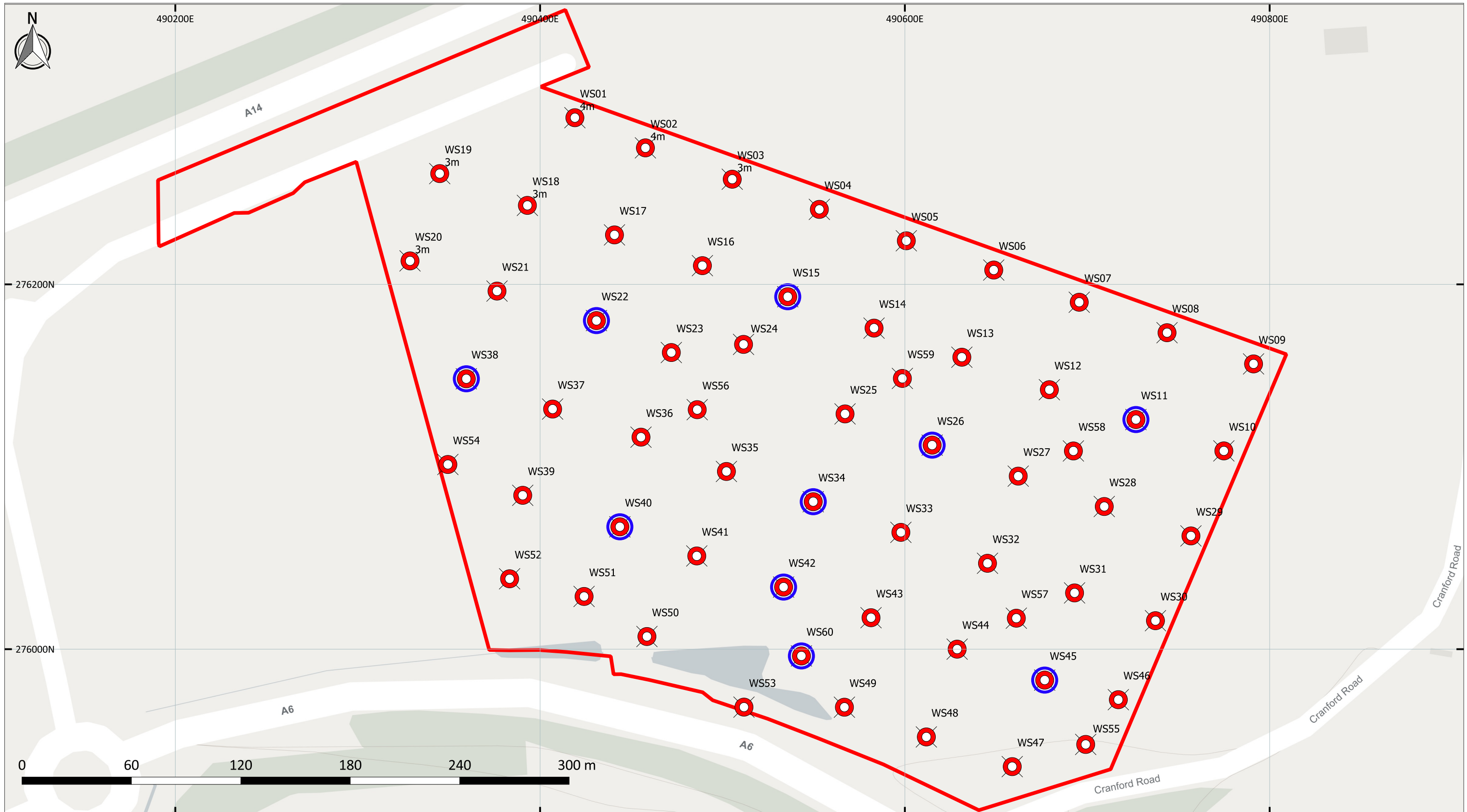
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HEALTH and SAFETY EXECUTIVE. 2014. HSG47 - Avoiding danger from underground services (Third edition). HSE.

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Appendix A

Drawings



KEY PLAN

Window Sampling
 Installation

NOTES

1. Contains OS data © Crown copyright and database right (2021)

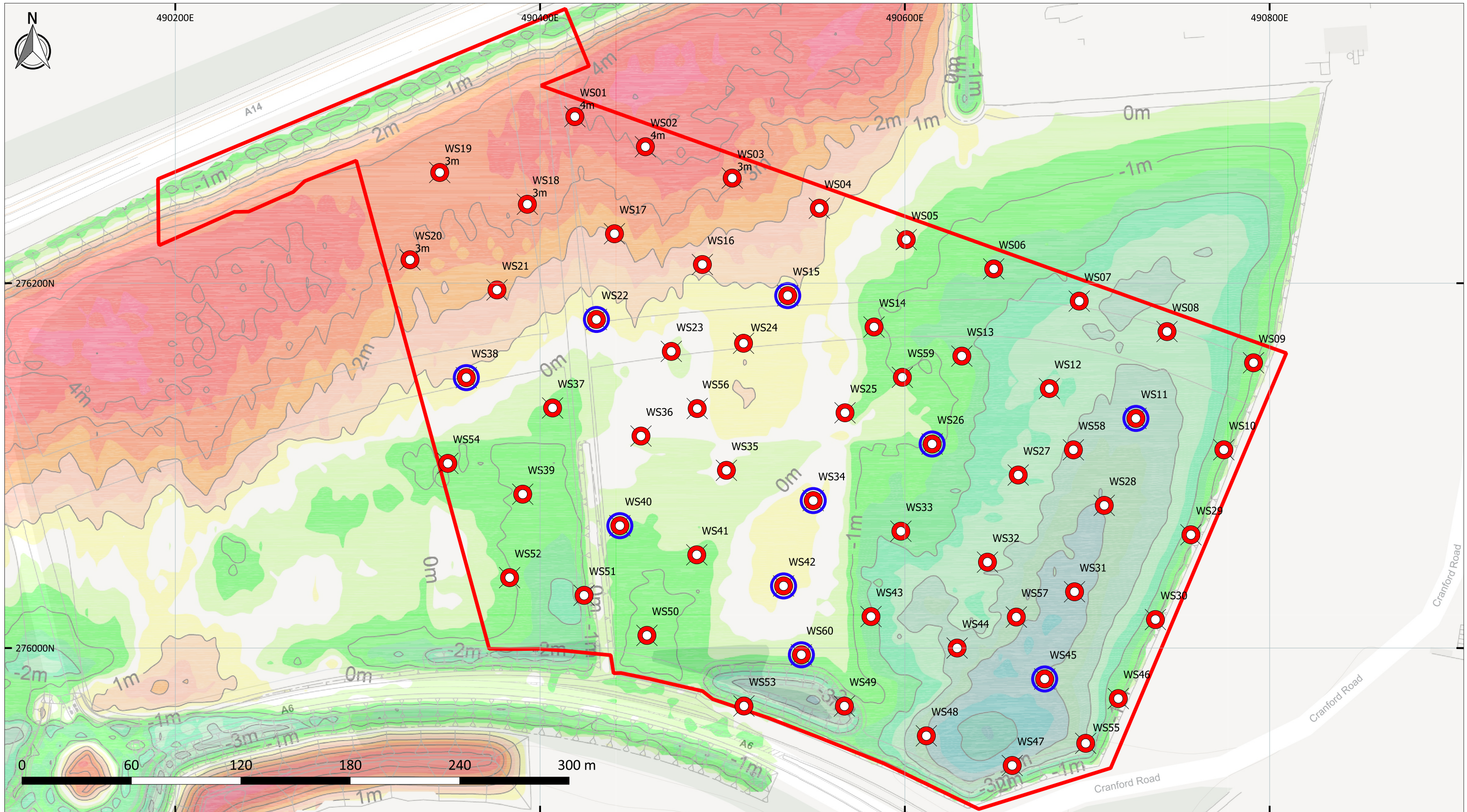
REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY INITIALS	DATE	REVISION NOTES/COMMENTS
P01	AT	JC	16/04/2021	First issue

CLIENT
SEGRO

PROJECT
Kettering Gateway

TITLE FINALISED GROUND INVESTIGATION PLAN	
HYDROCK PROJECT NO. C-14441-C	SCALE @ A3 1:2,000
PURPOSE OF ISSUE SUITABLE FOR INFORMATION	STATUS S2
DRAWING NO. 14441-HYD-XX-XX-DR-GE-0002	REVISION P01



KEY PLAN


⊗ Window Sampling
 ⊙ Installation

NOTES

1. Contains OS data © Crown copyright and database right (2021)

REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY INITIALS	DATE	REVISION NOTES/COMMENTS
P01	AT	JC	16/04/2021	First issue



CLIENT
SEGRO

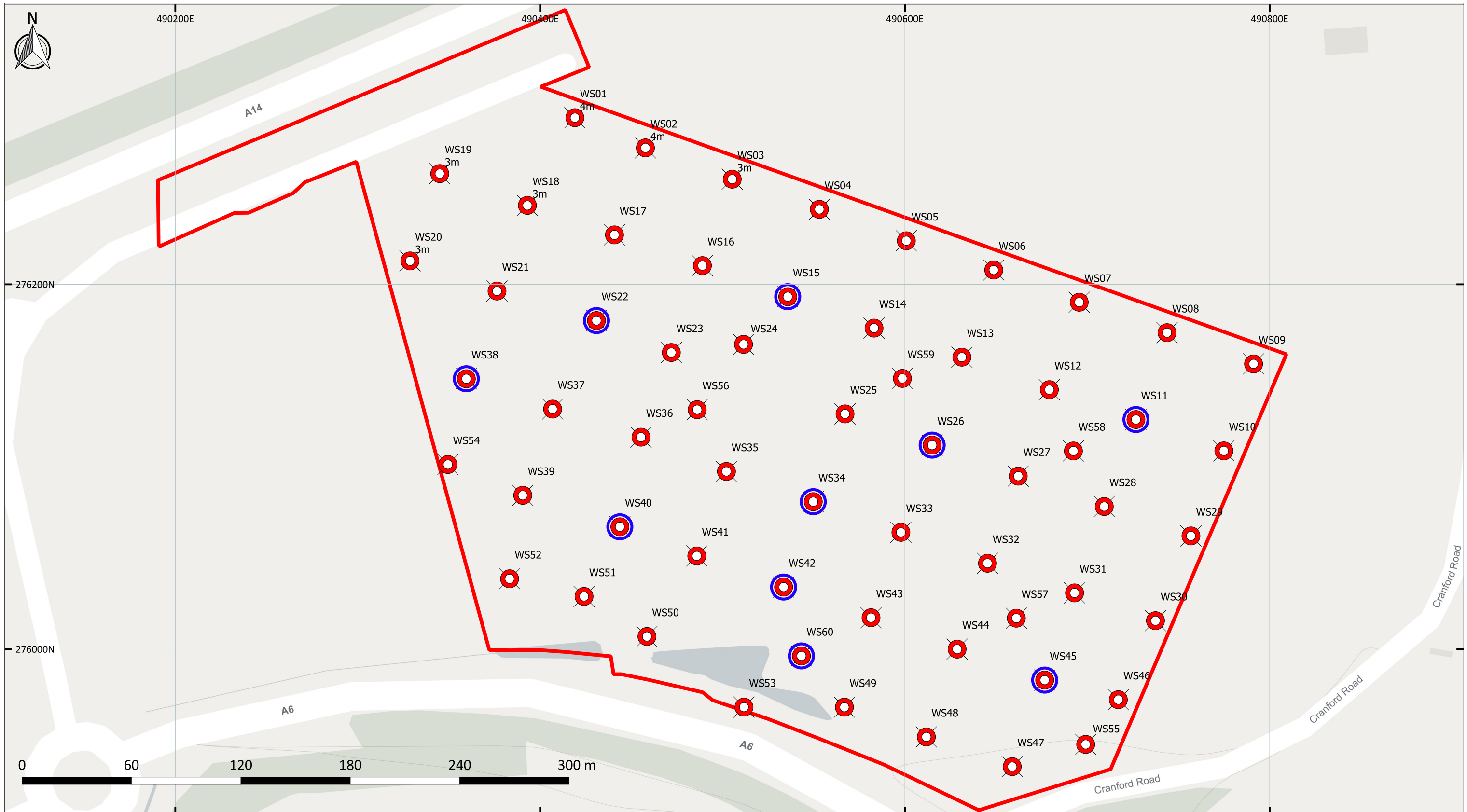
PROJECT
Kettering Gateway

TITLE FINALISED GROUND INVESTIGATION PLAN WITH CUT AND FILL	
HYDROCK PROJECT NO. C-14441-C	SCALE @ A3 1:2,000
PURPOSE OF ISSUE SUITABLE FOR INFORMATION	STATUS S2
DRAWING NO. 14441-HYD-XX-XX-DR-GE-0003	REVISION P01

Appendix B

Exploratory Hole Location Plan & Exploratory Hole Logs

Exploratory Hole Location Plan



KEY PLAN

Window Sampling
 Installation

NOTES

1. Contains OS data © Crown copyright and database right (2021)

REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY INITIALS	DATE	REVISION NOTES/COMMENTS
P01	AT	JC	16/04/2021	First issue

CLIENT
SEGRO

PROJECT
Kettering Gateway

TITLE FINALISED GROUND INVESTIGATION PLAN	
HYDROCK PROJECT NO. C-14441-C	SCALE @ A3 1:2,000
PURPOSE OF ISSUE SUITABLE FOR INFORMATION	STATUS S2
DRAWING NO. 14441-HYD-XX-XX-DR-GE-0002	REVISION P01

Exploratory Hole Logs

Cable Percussion

Borehole No.
BH01

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
CP

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.02		ASPHALT. (MADE GROUND)	
					0.17		CONCRETE. (MADE GROUND)	
					2.00		Medium dense dark brown mottled grey clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded quartz. (RIVER TERRACE DEPOSITS)	
					3.10		Loose to medium dense orange to red brown slightly clayey slightly gravelly SAND. Gravel is fine to medium, angular to subrounded quartz. (RIVER TERRACE DEPOSITS)	
					6.00		Dense to very dense yellow brown SAND. (HELSEBY SANDSTONE FORMATION)	
					6.13		Weathered yellow brown SAND with fine to coarse, angular gravel size sandstone lithorelicts. (HELSEBY SANDSTONE FORMATION) End of Borehole at 6.13m	

Remarks: Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.45m bgl rising to 1.87m bgl after 20 minutes.

Logged: JEH **Checked:** JRH

Cable Percussion

Borehole No.

BH02

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:

CP

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17 - 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded quartz. (RIVER TERRACE DEPOSITS)	
					1.20		Soft orange brown slightly gravelly very clayey SAND. Gravel is fine to coarse, angular to subrounded chert and quartz. (RIVER TERRACE DEPOSITS)	
					3.50		Soft orange brown sandy slightly gravelly CLAY. Gravel is fine to coarse, angular to subrounded chert and quartz with clay lenses. (RIVER TERRACE DEPOSITS)	
					4.70		Dense orange brown slightly clayey SAND and GRAVEL of fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS)	
					6.50		Hard grey and red silty CLAY with fine to coarse, angular gravel size mudstone lithorelicts. (ASHOW FORMATION)	
							<i>At 5.70m to 6.20m bgl: Mudstone band and becoming weathered.</i>	
							End of Borehole at 6.50m	

Remarks: Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.30m bgl rising to 1.85m bgl after 20 minutes.

Logged: JEH **Checked:** JRH

Dynamic Sample with Rotary Core Follow-on

Borehole No.

BH201

Sheet 1 of 3

Project Name: Montague Road, Warwick

Co-ords: 428951E, 266071N

Hole Type:
DS+RC

Location: Warwick

Project No.
C-06406-C

Ground Level: 52.05m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date (s): 08/04/21 - 09/04/21

Hole Diameter:
200mm

Well	Water Strikes	Rotary Coring					Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	TCR	SCR	RQD	FI				
						0.30	51.75		Brown clayey gravelly SAND with occasional rootlets. Gravel is sub angular to rounded fine to coarse of flint (TOPSOIL)	
						1.10	50.95		Light brown and reddish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
						1.50	50.55		Reddish brown and light grey slightly sandy very clayey GRAVEL. Gravel is sub angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		0.00-4.00				2.00	50.05		Brown slightly gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
									Brown very sandy fine to coarse, subrounded to rounded flint GRAVEL. (RIVER TERRACE DEPOSITS)	
						3.35	48.70		Very stiff grey mottled red sandy CLAY. Sand is fine. (ASHOW FORMATION)	
		4.00-5.00	86	30	30	4.00	48.05		Soft to firm red micaceous CLAY with greenish grey fine sand bands at 4.13 - 4.17mbgl and at 4.38 - 4.55mbgl. (ASHOW FORMATION)	
						4.53	47.52		Extremely weak greenish grey mottled red fine grained SANDSTONE. (ASHOW FORMATION)	
						4.86	47.19		Extremely weak thin interlaminated extremely closely spaced (1mm) red MUDSTONE and greenish grey SANDSTONE.	
						5.00	47.05		NO RECOVERY (NO RECOVERY)	
		5.00-6.50	100	77	33	5.40	46.65		Non Intact. Recovered as soft red gravelly CLAY. Gravel is sub angular fine to coarse of sandstone and mudstone. (ASHOW FORMATION)	
						5.92	46.13		Very weak thinly laminated to very thin bedded red fine grained SANDSTONE. Discontinuities: Horizontal extremely closely to very closely spaced undulating rough partly open to moderately wide with occasional clay infill. (KENILWORTH SANDSTONE FORMATION)	
		6.50-8.00	94	91	73	6.75	45.30		Very weak thinly laminated to thin bedded red fine grained micaceous SANDSTONE interbedded with (5 to 13mm) weak grey medium grained sandstone bands very closely to closely spaced. Discontinuities: Horizontal very closely to closely spaced undulating rough partly open to moderately wide with occasional clay infill. (KENILWORTH SANDSTONE FORMATION)	
		8.00-9.50	89	89	69	8.85	43.20		Very weak to weak thin to medium bedded red fine to medium grained micaceous SANDSTONE interbedded with closely to medium spaced grey randomly oriented medium grained sandstone bands. Discontinuities: Horizontal very closely to medium spaced, undulating rough tight to open with occasional greenish grey and red mottle confined within the discontinuities. (KENILWORTH SANDSTONE)	
Continued on Next Sheet										

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 20.00m bgl. 3) Dynamic sampled to 4.00m with rotary core follow on to 20.00m 3) Gas and Groundwater monitoring pipe installed to 19.70m bgl. Response zone between 7.00m to 19.70m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Very slow groundwater ingress at 1.50m bgl.

Logged: TB **Checked:** NT

Dynamic Sample with Rotary Core Follow-on

Borehole No.

BH201

Sheet 2 of 3

Project Name: Montague Road, Warwick

Co-ords: 428951E, 266071N

Hole Type:
DS+RC

Location: Warwick

Project No.
C-06406-C

Ground Level: 52.05m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date (s): 08/04/21 - 09/04/21

Hole Diameter:
200mm

Well	Water Strikes	Rotary Coring					Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	TCR	SCR	RQD	FI				
		9.50-11.00	96	89	60				FORMATION) <i>Sandstone has occasional vugs, randomly spaced with sizes and depth ranging from (size: 10mm by 10mm to 10mm x 50mm), (depth: 2 to 20mm)</i>	10.0
		11.00-12.50	100	87	38	11.00	41.05		Weak to medium strong red and grey fine grained SANDSTONE interbedded with very weak red mudstone bands at (8.85mbgl to 9.20mbgl and 10mbgl to 10.23mbgl). Discontinuities: Horizontal to sub horizontal 80 to 85 degrees planar, rough open clean and smooth at 9.00mbgl, 9.18mbgl and at 9.38mbgl. Vertical from 9.24m to 9.35mbgl, undulating rough partly open and clean. (KENILWORTH SANDSTONE FORMATION) <i>Sandstone is medium grained.</i>	11.0
		12.50-14.00	100	81	22	12.50	39.55		Very weak red MUDSTONE interbedded with medium strong greenish grey medium to coarse grained SANDSTONE. Mudstone bands are medium spaced. Discontinuities: Horizontal closely spaced undulating rough partly open to open clean. Vertical from 11.20mbgl to 11.33mbgl, planar, rough, open and clean. Sub horizontal 75 degrees at 11.68 and 11.71m undulating rough partly open and clean. (TILE HILL MUDSTONE FORMATION) <i>Mudstone bands have medium grained green fine to coarse gravel sized sand pockets. Mudstone is extremely weak with greenish grey mottled.</i>	13.0
		14.00-15.50	100	100	82				<i>Sandstone is red and fine to medium grained.</i>	14.0
		15.50-17.00	100	89	27				Weak to medium strong very thin to medium bedded red micaceous MUDSTONE interbedded with medium to strong red SILTSTONE. Discontinuities: Horizontal very closely to medium spaced undulating smooth tight to open predominantly clean with clay infill at (13.08-13.10m, 13.18-13.22m and 13.40- 13.43mbgl) and gravelly (mudstone) clay infill at (15.50-15.52m, 16.80- 16.91m, 16.98- 17.02m, 17.55- 17.58m, 17.70-17.73m and 18.03- 18.05mbgl). Subvertical at (12.80m- 12.88m, 18.60- 18.67m and 19.85-19.95mbgl), (40 - 45 degrees) planar to undulating smooth open with clay infill at 19.85mbgl. Vertical at 13.58m-13.65m, 13.95-14.00m, 17.00-17.17m, 17.89- 18.04m, 18.40- 18.50m and 19.00- 19.10mbgl) planar at 13.58 and undulating smooth tight to partly open clean. (TILE HILL MUDSTONE FORMATION) <i>Siltstone bands are apparent at depths 12.60 - 12.90m, 15.60m - 15.73m, 16.00- 16.26m, 17.90- 17.97m and 18.10-18.23mbgl.</i>	15.0
		17.00-18.50	86	83	24					16.0
		18.50-20.00	86	74	7					17.0
										18.0
										19.0
Continued on Next Sheet										

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 20.00m bgl. 3) Dynamic sampled to 4.00m with rotary core follow on to 20.00m 3) Gas and Groundwater monitoring pipe installed to 19.70m bgl. Response zone between 7.00m to 19.70m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
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PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Very slow groundwater ingress at 1.50m bgl.

Logged: TB **Checked:** NT

Dynamic Sample with Rotary Core Follow-on

Borehole No.

BH201

Sheet 3 of 3

Project Name: Montague Road, Warwick

Co-ords: 428951E, 266071N

Hole Type:
DS+RC

Location: Warwick

Project No.
C-06406-C

Ground Level: 52.05m OD

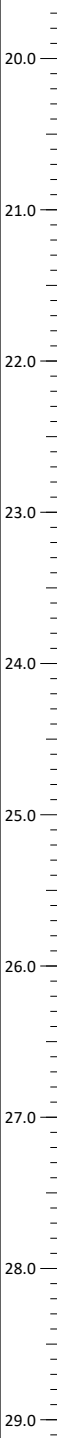
Scale:
1:50

Client: Crest Nicholson Chiltern

Date (s): 08/04/21 - 09/04/21

Hole Diameter:
200mm

Well	Water Strikes	Rotary Coring					Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	TCR	SCR	RQD	FI				
						20.00	32.05		End of Borehole at 20.00m	



Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 20.00m bgl. 3) Dynamic sampled to 4.00m with rotary core follow on to 20.00m 3) Gas and Groundwater monitoring pipe installed to 19.70m bgl. Response zone between 7.00m to 19.70m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Very slow groundwater ingress at 1.50m bgl.

Logged: TB **Checked:** NT

Trial Pit

Trial Pit No:
SA01

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 1.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C



Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00 - 0.30	ES		0.25 0.26 0.30		 	<p>Brown slightly gravelly SAND with rootlets. Gravel is angular to rounded fine to medium of clay tile, chert, brick fragments and quartzite. (MADE GROUND)</p> <p>GEOTEXTILE. (MADE GROUND)</p> <p>Brown slightly gravelly SAND with rootlets. Gravel is angular to rounded fine to medium of clay tile, chert, brick fragments and quartzite. (MADE GROUND)</p> <p>Reddish brown clayey silty SAND with occasional subrounded to rounded fine to medium gravel of chert and quartzite. (RIVER TERRACE DEPOSITS)</p>
				1.50			End of Trial Pit at 1.50m

Remarks:	1) Trial pit terminated at 1.50m bgl to allow for open infiltration testing above the water table. 2) Backfilled with lightly compacted arisings upon purging of infiltration test water.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Stable	
Groundwater:	No groundwater encountered.	Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
SA02

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 1.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00 - 0.40	ES		0.40			Brown SAND with rootlets and occasional subangular to rounded fine to coarse gravel of slate, chert and quartzite with rare brick fragments. (MADE GROUND)
				1.50			Light brown to reddish brown slightly clayey slightly gravelly silty SAND with roots. Gravel is subrounded to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)
End of Trial Pit at 1.50m							

Remarks:	1) Trial pit terminated at 1.50m bgl to allow for open infiltration testing above the water table. 2) Backfilled with lightly compacted arisings upon purging of infiltration test water. 3) Land drain strike at 0.40m bgl.	<small> B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample </small>
Stability:	Stable	
Groundwater:	No groundwater encountered.	Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
TP01

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00 - 0.35	ES		0.35			Brown slightly gravelly SAND with rootlets and occasional roots approximately 1-10mm in diameter. Gravel is subangular to subrounded fine to medium of quartzite, chert and flint. (TOPSOIL)
				0.90			Light brown slightly gravelly silty fine and medium SAND. Gravel is subangular to rounded fine to coarse of chert and quartzite with occasional rootlets and roots. (RIVER TERRACE DEPOSITS)
				1.30			Reddish brown fine and medium slightly gravelly SAND with some roots. Gravel is subangular to rounded fine to coarse of chert and quartz. (RIVER TERRACE DEPOSITS)
	1.30 - 2.00	B		1.80			Red slightly clayey slightly gravelly fine and medium SAND with thin layers of firm to stiff red brown mottled sandy silty clay. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)
				3.10			Red clayey silty fine and medium SAND with orange mottled grey and red pockets of sand. (RIVER TERRACE DEPOSITS)
				3.30			Orange gravelly clayey SAND. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 3.30m

Remarks:	1) Trial pit sides unstable from 3.00m bgl. 2) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Unstable	
Groundwater:	Groundwater encountered at 2.90m bgl.	Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
TP02

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C




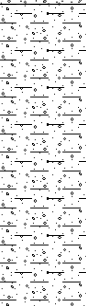


Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼	0.00 - 0.30	ES		0.30			Brown slightly gravelly SAND with rootlets. Gravel is subangular to rounded fine to coarse of chert and quartzite with rare slate fragments. (MADE GROUND)
							Brown slightly clayey slightly gravelly silty SAND. Gravel is subangular to rounded fine to medium of quartzite, chert and flint. (RIVER TERRACE DEPOSITS)
	1.00 - 1.50	D		1.00			Red slightly gravelly silty clayey fine and medium SAND with thin layers of soft to firm red brown mottled sandy silty clay. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
	1.50 - 2.30	B		1.50			Firm to stiff red mottled orange grey slightly gravelly silty sandy CLAY. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
				2.50			Red slightly gravelly silty clayey fine and medium SAND. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
				2.80			Orange mottled grey slightly clayey silty gravelly SAND. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
			3.10			End of Trial Pit at 3.10m	

Remarks:	1) Trial pit sides unstable from 2.80m bgl. 2) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Unstable	
Groundwater:	Groundwater encountered at 2.90m bgl.	Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
TP03

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

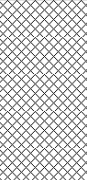

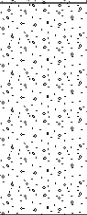
Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
	0.00 - 0.30	ES		0.60			Brown slightly gravelly SAND with rootlets. Gravel is subangular to subrounded fine to medium of chert, quartzite and rare brick fragments. (MADE GROUND) <i>From 0.30m bgl: Becoming lighter brown and more silty.</i>		
							1.50		Light orangish brown slightly gravelly slightly clayey silty SAND. Gravel is subangular to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)
									2.20
	2.20 - 2.50	D		2.90			Light bluish grey gravelly SAND. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)		
							End of Trial Pit at 2.90m		

Remarks:	1) Trial pit sides unstable from 2.20m bgl. 2) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Unstable	
Groundwater:	Groundwater encountered at 2.70m bgl.	Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
TP04

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

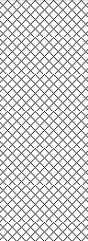

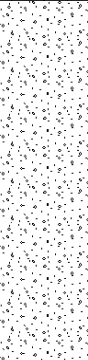
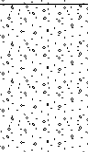
Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	1.00 - 1.30	ES		0.80			Brown gravelly SAND with rootlets, metal railings, plastic bags and wood with medium cobble content. Gravel is angular to subangular of brick and cobble grade fragments are of concrete slab. (MADE GROUND)
				1.10			Light brown slightly gravelly silty fine and medium SAND. Gravel is subangular to rounded fine to coarse of chert and quartzite with occasional rootlets. (RIVER TERRACE DEPOSITS)
				2.30			Red slightly gravelly slightly clayey silty SAND with thin layers of soft to firm red brown mottled sandy silty clay. Gravel is of subrounded to rounded fine to medium chert and quartzite. (RIVER TERRACE DEPOSITS)
▼	2.40 - 2.80	B		2.80			Orangish brown mottled light grey gravelly SAND. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 2.80m

Remarks:

1) Bund trial pit excavated from 2.30m agl. 2) Backfilled with lightly compacted arisings. 3) Trial pit sides slightly spalling from 0.00-1.00m bgl.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability:

Stable

Groundwater:

Groundwater encountered at 2.30m bgl.

Logged: AA

Checked: JRH

Trial Pit

Trial Pit No:
TP05

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.00 - 0.40	ES		0.40			Brown slightly gravelly SAND with rootlets, plastic bags, a boot, wood and geotextile layer. Gravel is subangular to rounded fine to medium of quartzite, chert and flint. (MADE GROUND)
				1.40			Brown slightly gravelly silty SAND. Gravel is subangular to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)
	1.80 - 2.00	D		1.80			Light brown slightly gravelly slightly clayey silty SAND. Gravel is subangular to rounded fine to medium of quartzite. (RIVER TERRACE DEPOSITS)
				2.50			Red slightly gravelly clayey silty SAND. Gravel is subangular to rounded fine to medium of quartzite. (RIVER TERRACE DEPOSITS)
				3.00			Orange gravelly clayey SAND. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 3.00m

Remarks:	1) Bund trial pit excavated from 1.50m agl. 2) Backfilled with lightly compacted arisings. 3) Trial pit sides slightly spalling from 0.00-1.00m bgl.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Stable	
Groundwater:	Groundwater encountered at 2.50m bgl.	
Logged:	AA	Checked: JRH

Trial Pit

Trial Pit No:
TP06

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C





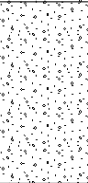
Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼	0.00 - 0.25	D		0.25			Brown SAND with occasional subangular to subrounded fine to medium gravel of chert and quartzite with rootlets and roots. (TOPSOIL)
				0.80			Light brown slightly clayey silty SAND. (RIVER TERRACE DEPOSITS)
				1.30			Grey mottled brown slightly gravelly silty SAND. Gravel is of subrounded to rounded fine to coarse chert and quartzite. (RIVER TERRACE DEPOSITS)
	1.30 - 2.10	B		2.10			Orangish red mottled grey gravelly silty SAND. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS) <i>From 1.50m bgl: Becoming clayey.</i>
				2.70			Red mottled grey gravelly SAND. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 2.70m

Remarks:	1) Trial pit sides unstable from 2.40m bgl. 2) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Unstable	
Groundwater:	Groundwater encountered at 2.40m bgl.	
Logged:	AA	Checked: JRH

Trial Pit

Trial Pit No:
TP07

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼	0.00 - 0.30	ES		0.30			Brown SAND with rootlets and occasional subangular to rounded fine to medium gravel of chert and quartzite with rare brick fragments. (MADE GROUND)
				0.60			Light brown silty fine and medium SAND. (RIVER TERRACE DEPOSITS)
				1.50			Reddish brown mottled orange and grey silty fine and medium SAND with occasional roots. (RIVER TERRACE DEPOSITS)
				2.80			From 1.30m bgl: Becoming red and slightly gravelly with gravel of subrounded to rounded fine to medium quartzite. Red silty gravelly fine and medium SAND with low cobble content. Gravel is subrounded to rounded fine to medium of quartzite and cobbles are subrounded to rounded of quartzite. (RIVER TERRACE DEPOSITS)
End of Trial Pit at 2.80m							

Remarks:	1) Trial pit sides unstable from 1.30m bgl. 2) Backfilled with lightly compacted arisings.		B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Unstable		
Groundwater:	Groundwater encountered at 1.80m bgl.		Logged: AA Checked: JRH

Trial Pit

Trial Pit No:
TP08

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: -
Ground Level: -

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼	0.00 - 0.30	ES		0.30			Brown slightly gravelly silty SAND with rootlets. Gravel is subangular to rounded fine to medium of chert and quartzite. (TOPSOIL)
				0.90			Soft light brown mottled grey slightly gravelly silty sandy CLAY. Gravel is subangular to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)
				1.20			Orangish red mottled grey slightly gravelly slightly clayey silty fine and medium SAND. Gravel is subangular to rounded fine to medium of quartzite. (RIVER TERRACE DEPOSITS)
				1.90			Red slightly gravelly silty SAND with low cobble content. Gravel is subangular to rounded fine to medium of quartzite and cobbles are subrounded of quartzite. (RIVER TERRACE DEPOSITS) <i>From 1.60m bgl: Becoming more gravelly.</i>
				2.60			Grey gravelly SAND. Gravel is subrounded to rounded medium to coarse of quartzite. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 2.60m

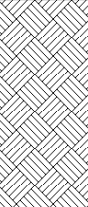


Remarks:	1) Trial pit sides unstable from 1.30m bgl. 2) Backfilled with lightly compacted arisings.	<small> B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample </small>
Stability:	Unstable	
Groundwater:	Groundwater encountered at 1.50m bgl.	
Logged:	AA	Checked: JRH

Trial Pit

Trial Pit No:
TP201

Sheet 1 of 1

Project Name: Montague Road, Warwick	Dimensions: 0.60m x 2.00m	Hole Type: TP
Location: Warwick	Project No: C-06406-C	Scale: 1:25
Client: Crest Nicholson Chiltern	Co-ords: 428954E, 265966N	Plant Used: JCB 3CX
	Ground Level: 53.53m OD	
	Date(s): 08/04/21	

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.25	ES					Fine dark brown slightly clayey slightly gravelly SAND with occasional rootlets and rare fine and medium gravel sized fragments of brick and ceramic. Gravel is fine and medium of quartz. (TOPSOIL)
	0.80	ES		0.70	52.83		Fine reddish brown slightly gravelly SAND. Gravel is well rounded, fine of quartz. (RIVER TERRACE DEPOSITS)
	2.40	B		2.00	51.53		Fine and medium reddish brown clayey SAND. (RIVER TERRACE DEPOSITS)
	2.95	D		3.00	50.53		End of Trial Pit at 3.00m

Remarks:	1) No groundwater encountered. 2) Terminated at 3.00m bgl. 3) Backfilled with lightly compacted arisings.	<small> B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample </small>
Stability:	Sides remained vertical throughout.	
Groundwater:	None encountered.	
Logged:	AT	Checked: NT

Trial Pit

Trial Pit No:
TP202

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 428950E, 265989N

Scale:


Ground Level: 52.52m OD

1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.30	ES		0.50	52.02		Fine dark brown slightly clayey SAND with frequent rootlets. (TOPSOIL)
	0.60	ES				1.00	51.52
	1.50	B		2.40	50.12		
	2.50	B				2.60	49.92
							End of Trial Pit at 2.60m

Remarks: 1) Groundwater encountered at 2.40m bgl with moderate ingress. 2) Terminated at 2.60m bgl due to collapse of sidewall. 3) Backfilled with lightly compacted arisings.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability: Collapse at 2.60m bgl.

Groundwater: Moderate ingress at 2.40m bgl.

Logged: AT **Checked:** NT

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 428959E, 266024N
Ground Level: 52.36m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10	ES		0.20	52.16		Fine to coarse dark grey sandy, fine to coarse, angular, igneous rock, limestone and asphalt GRAVEL (MADE GROUND)
				0.30	52.06		Black Asphalt. (MADE GROUND) <i>Below 0.20m bgl strong tar smell</i>
	0.40	B					Fine to coarse dark grey sandy fine to coarse, angular limestone GRAVEL with high cobble content. Cobbles are angular of limestone. (MADE GROUND)
	0.60	ES		0.55	51.81		
	0.90	ES		0.80	51.56		Fine dark grey clayey slightly gravelly SAND. Gravel is sub-angular, medium of flint. (RIVER TERRACE DEPOSITS)
							Fine and medium greenish grey slightly gravelly SAND. Gravel is well rounded, medium slightly quartz. (RIVER TERRACE DEPOSITS)
	1.40	ES		1.30	51.06		Fine and medium reddish brown and greenish grey slightly gravelly SAND. Gravel is well rounded, medium of quartz. (RIVER TERRACE DEPOSITS)
	2.20	B		2.10	50.26		Fine and medium brownish grey sandy fine to course, well rounded quartz GRAVEL. (RIVER TERRACE DEPOSITS)
				3.10	49.26		End of Trial Pit at 3.10m

Remarks:	1) Groundwater encountered at 2.60m bgl with moderate ingress. 2) Terminated at 3.10m bgl. 3) Weak hydrocarbon odour in Made Ground. 4) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Sides remained vertical throughout.	
Groundwater:	Moderate ingress at 2.0m bgl.	
Logged:	AT	Checked: NT

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 428983E, 266031N
Ground Level: 52.18m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10	ES		0.20	51.98		Fine and medium greyish black sandy, fine to coarse, subrounded to angular limestone and igneous rock GRAVEL. (MADE GROUND)
				0.50	51.68		Fine to coarse yellowish grey sandy GRAVEL with high cobble content. Cobbles are angular of limestone. (MADE GROUND)
	0.60	ES					Fine dark greyish black slightly clayey slightly gravelly SAND. Gravel is well rounded, medium of quartz. (RIVER TERRACE DEPOSITS)
	1.40	B		1.25	50.93		Fine and medium reddish brown and light grey gravelly SAND. Gravel is well rounded, fine and medium of quartz. (RIVER TERRACE DEPOSITS)
	2.50	D		2.30	49.88		Fine to coarse greyish brown sandy slightly clayey fine to coarse, well rounded quartz GRAVEL. (RIVER TERRACE DEPOSITS)
				2.50	49.68		End of Trial Pit at 2.50m

Remarks:	1) No groundwater encountered. 2) Terminated at 2.50m bgl due to collapse of sidewall. 3)Weak Hydrocarbon odour in Made Ground. 4) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Collapse at 2.50m bgl.	
Groundwater:	None encountered.	
Logged:	AT	Checked: NT

Trial Pit

Trial Pit No:
TP205

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C






Co-ords: 429001E, 266026N
Ground Level: 52.16m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.15	ES		0.20	51.96		Fine to coarse greyish black sandy, fine to coarse, angular limestone and igneous rock GRAVEL. (MADE GROUND)
				0.50	51.66		Fine to coarse yellowish grey sandy, fine to coarse, angular limestone GRAVEL with high cobble content. Cobbles are angular of limestone. (MADE GROUND)
	0.70	B		1.00	51.16		Fine and medium brownish black gravelly SAND. Gravel is well rounded of quartz. (RIVER TERRACE DEPOSITS)
	1.20	D		1.35	50.80		Fine and medium reddish orange and grey gravelly SAND. Gravel is well rounded of quartz. (RIVER TERRACE DEPOSITS)
							Fine to coarse reddish grey sandy fine to coarse, well rounded quartz GRAVEL. (RIVER TERRACE DEPOSITS)
	2.90	B		3.20	48.96		End of Trial Pit at 3.20m

Remarks: 1) Groundwater encountered at 2.70m bgl with moderate ingress. 2) Terminated at 3.20m bgl. 3) Weak Hydrocarbon odour in Made Ground. 4) Backfilled with lightly compacted arisings.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability: Sides remained vertical throughout.

Groundwater: Moderate ingress at 2.70m bgl.

Logged: AT **Checked:** NT

Trial Pit

Trial Pit No:
TP206

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

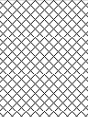
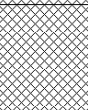


Co-ords: 429014E, 266016N
Ground Level: 52.27m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10	ES		0.40	51.87		Fine and medium dark greyish black sandy fine to coarse, angular limestone and igneous rock GRAVEL. (MADE GROUND) <i>Below 0.2m bgl gravel is coarse of igneous rock.</i>
				0.75	51.52		Fine to coarse greenish yellow sandy fine to coarse, angular limestone GRAVEL with high cobble content. Cobbles are angular of limestone. (MADE GROUND)
	0.80	ES		1.10	51.17		Fine greyish black slightly gravelly SAND. Gravel is, medium of quartz. (RIVER TERRACE DEPOSITS)
	1.20	ES					Fine to coarse reddish brown gravelly SAND. Gravel is well rounded, medium of quartz and sub-angular, fine of flint. (RIVER TERRACE DEPOSITS)
	2.60	D		3.00	49.27		End of Trial Pit at 3.00m

Remarks:	1) Groundwater encountered at 2.80m bgl with moderate ingress. 2) Terminated at 3.00m bgl. 3) Weak Hydrocarbon odour in Made Ground. 4) Backfilled with lightly compacted arisings.	<small> B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample </small>
Stability:	Sides remained vertical throughout.	
Groundwater:	Moderate ingress at 2.80m bgl	
Logged:	AT	Checked: NT

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.00m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 429026E, 266014N
Ground Level: 52.27m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10	ES					Fine to coarse greyish black sandy fine to coarse, angular limestone and igneous rock gravel GRAVEL with high cobble content. Cobbles are angular of limestone and igneous rock. (MADE GROUND)
				0.30	51.97		
				0.50	51.77		Fine and medium orangish red sandy GRAVEL. Gravel is angular of brick. (MADE GROUND)
	0.70	ES					Fine greyish brown slightly sandy slightly gravelly SAND with rare coarse sand sized fragments of brick. Gravel is sub-rounded, fine of quartz. (MADE GROUND)
				1.10	51.17		
	1.40	B					Fine and medium yellowish brown slightly clayey slightly gravelly SAND. Gravel is well rounded, medium of quartz. (RIVER TERRACE DEPOSITS) <i>At 1.3m bgl clay land drain crossing across pit north-east/south-west.</i>
							<i>At 1.90m bgl colour change to reddish brown.</i>
				2.40	49.87		
	2.70	B					Fine and medium dark brown sandy fine to course, well rounded quartz GRAVEL. (RIVER TERRACE DEPOSITS)
				3.00	49.27		
							End of Trial Pit at 3.00m

Remarks:	1) Groundwater encountered at 2.90m bgl with moderate ingress. 2) Terminated at 3.00m bgl. 3) Weak Hydrocarbon odour in Made Ground. 4) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample	
Stability:	Sides remained vertical throughout.		
Groundwater:	Moderate ingress at 2.90m bgl.		
Logged:	AT	Checked:	NT

Trial Pit

Trial Pit No:
TP208

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C








Co-ords: 428986E, 265991N
Ground Level: 52.34m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 09/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.30	ES		0.10	52.24		Blackish grey sandy fine to coarse, angular slate, asphalt and brick GRAVEL. (MADE GROUND)
				0.30	52.04		Red sandy fine to coarse, angular brick GRAVEL with high cobble content. Cobbles are angular of bricks (MADE GROUND)
							Grey gravelly silty SAND. Gravel is sub angular to rounded fine to coarse of flint (MADE GROUND)
	0.90	ES		0.85	51.49		Light brown and reddish brown clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	1.30	D		1.20	51.14		Soft grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	2.00	D		1.50	50.84		Orangish brown sandy fine to coarse, subangular to angular mudstone, sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS)
▼	2.50 - 3.00	B		2.50	49.84		Brown sandy fine to coarse subangular to rounded mudstone, sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS)
				3.00	49.34		End of Trial Pit at 3.00m

Remarks:

1) Trial pit completed at 3.00m bgl. 2) Backfilled with lightly compacted arisings.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability:

Sides remained vertical throughout

Groundwater:

None encountered.

Logged: TB

Checked: NT

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 428991E, 265976N
Ground Level: 52.43m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 09/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼	0.20	ES		0.10	52.33		Blackish grey sandy fine to coarse, angular slate, asphalt and brick GRAVEL. (MADE GROUND)
				0.30	52.13		Red sandy fine to coarse, angular brick GRAVEL with high cobble content. Cobbles are angular of bricks (MADE GROUND)
				0.40	52.03		Blackish grey sandy fine to coarse, slate and asphalt GRAVEL. (MADE GROUND)
	0.80	ES		0.70	51.73		Grey gravelly silty SAND. Gravel is subangular to rounded fine to coarse of flint (MADE GROUND)
							Light brown and reddish brown clayey gravelly SAND. Gravel is sub angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
				1.30	51.13		Soft grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
				2.00	50.43		Brown sandy fine to coarse, subangular to rounded mudstone, sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS)
				3.00	49.43		End of Trial Pit at 3.00m

Remarks:

1) Trial pit completed at 3.00m bgl. 2) Backfilled with lightly compacted arisings.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability:

Sides remained vertical throughout

Groundwater:

None encountered.

Logged: TB

Checked: NT

Trial Pit

Trial Pit No:
TP211

Sheet 1 of 1

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C


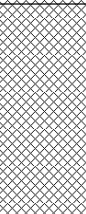
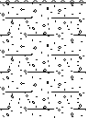
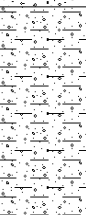
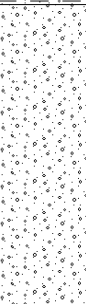
Co-ords: 428975E, 265966N
Ground Level: 52.53m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 09/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.30	ES		0.20	52.33		Blackish grey sandy fine to coarse, angular slate and asphalt GRAVEL. (MADE GROUND)
							Grey gravelly silty SAND. Gravel is subangular to rounded fine to coarse of flint (MADE GROUND)
	1.00	D		0.90	51.63		Light brown and reddish brown clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	1.30 - 2.00	B		1.30	51.23		Soft grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	2.10	D		2.00	50.53		Brown sandy fine to coarse, angular to rounded mudstone, sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS)
				3.00	49.53		End of Trial Pit at 3.00m

Remarks:

1) Trial pit completed at 3.00m bgl. 2) Backfilled with lightly compacted arisings.

B = Bulk Sample
D = Disturbed Sample
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
CBR = In Situ California Bearing Ratio (%)
HSV = Hand Shear Vane (kPa)
HP = Hand Penetrometer (kPa)
AB = Asbestos Bulk Sample

Stability:

Sides remained vertical throughout

Groundwater:

None encountered.

Logged: TB

Checked: NT

Project Name: Montague Road, Warwick

Dimensions: 0.60m x 2.50m

Hole Type:
TP

Location: Warwick

Project No:
C-06406-C

Co-ords: 428938E, 266024N
Ground Level: 52.40m OD

Scale:
1:25

Client: Crest Nicholson Chiltern

Date(s): 09/04/21

Plant Used:
JCB 3CX

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.20	ES		0.30	52.10		Brown clayey gravelly SAND with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint (TOPSOIL)
	0.50	D		0.40	52.00		Reddish brown clayey gravelly SAND. Gravel is sub angular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)
	0.80 - 1.50	B		0.80	51.60		Light brown and orangish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	1.60	D		1.50	50.90		Light brown and reddish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
	2.40	D		2.30	50.10		Soft grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
				3.00	49.40		Orangish brown sandy fine to coarse, subangular mudstone, sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS)
							End of Trial Pit at 3.00m

Remarks:	1) Replacement for proposed WS203. 2) Trial pit completed at 3.00m bgl) 3) Backfilled with lightly compacted arisings.	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample
Stability:	Side wall collapse between 2.20m and 3.00m bgl.	
Groundwater:	None encountered.	
Logged:	TB	Checked: NT

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C



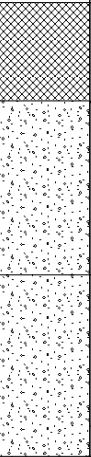
Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES		0.65		Dark grey and brown sandy slightly clayey GRAVEL of fine to coarse angular to subrounded concrete, ballast, yellow brick, red brick, glass and tarmac. Slight hydrocarbon odour. (MADE GROUND)	
		1.20	ES		1.80		Medium dense dark brown to grey slightly gravelly clayey SAND. Gravel is fine to coarse angular to subrounded of sandstone and quartz. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=19 (4,5/6,4,4,5)			Medium dense light brown mottled grey gravelly clayey SAND. Gravel is fine to coarse angular to subrounded sandstone, quartz and chert. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=30 (5,6/9,5,7,9)				
		3.00	SPT	N=31 (5,5/8,8,7,8)	3.00		From 2.80m bgl: Becoming very gravelly. End of Borehole at 3.00m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:

WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.17			0.17		CONCRETE. (MADE GROUND)	
		0.30			0.30		Dark grey and red sandy GRAVEL of fine to coarse angular brick and concrete. (MADE GROUND)	
		1.20	ES		1.20		Medium dense dark brown and grey slightly clayey gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz. Becoming very gravelly with depth. (RIVER TERRACE DEPOSITS)	
		1.50	SPT	N=24 (3,3/7,5,6,6)	1.50			
		2.00	ES		2.00			
		2.00	SPT	N=24 (3,4/5,6,7,6)	2.00			
		2.70			2.70		Stiff red brown CLAY with angular, fine to coarse mudstone lithorelicts. (ASHOW FORMATION)	
		3.00	SPT	N=40 (4,5/11,10,10,9)	3.00			
		3.45			3.45		End of Borehole at 3.45m	

Remarks: Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.30m bgl.

Logged: JEH **Checked:** JRH

Windowless Sampler

Borehole No.
WS03

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
▼		0.20	ES		0.70		Dark brown slightly gravelly slightly clayey SAND. Gravel is fine to coarse angular to subrounded of brick, concrete and tile. With large roots due to adjacent tree. (MADE GROUND)	
		1.20	SPT	N=26 (3,3/7,7,5,7)	1.60		Medium dense light orange brown mottled grey slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz and chert. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=26 (7,7/7,7,6,6)	3.45		Medium dense orange brown sandy fine to coarse angular to subrounded of quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=36 (9,10/9,9,8,10)			End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.20m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:

WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded quartz, chert and ash. (MADE GROUND)	
		0.40	ES					
		1.20	ES		1.60		Dark orange brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded quartz and ash. (MADE GROUND)	
		1.20	SPT	N=24 (3,3/5,6,6,7)				
		1.80	ES		2.00		Medium dense light grey mottled orange brown slightly gravelly SAND. With occasional clay pockets. Gravel is fine to coarse angular to subrounded of quartz. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=33 (8,9/10,8,6,9)				
		3.00	SPT	N=37 (7,7/9,9,10,9)	3.45		Orange brown sandy fine to coarse angular to subrounded of quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	
<p style="text-align: center;">From 2.80m bgl: Becoming very sandy.</p> <p style="text-align: center;">End of Borehole at 3.45m</p>								

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.80m bgl rising to 1.65m bgl after 20 minutes.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15			0.15		CONCRETE. (MADE GROUND)	
		0.35			0.35		Orange and red sandy GRAVEL of fine to coarse angular of brick and concrete. (MADE GROUND)	
	0.50	ES			0.60		Dark brown slightly gravelly clayey SAND. Gravel is fine to coarse angular to subrounded of brick and quartz. (RIVER TERRACE DEPOSITS)	
	1.20	ES			1.40		Medium dense orange brown sandy fine to coarse angular to subrounded of quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	
	1.20	SPT		N=26 (2,3/5,5,5,11)	1.40			
		2.00	SPT				Orange brown mottled dark brown sandy GRAVEL of fine to coarse angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS)	
		3.00	SPT					
					3.45		End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 27/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.25	ES		0.17 0.18		CONCRETE. (MADE GROUND)	
								ASPHALT. (MADE GROUND)
								Dark brown slightly gravelly clayey SAND. Gravel is fine to coarse angular to subrounded of quartz. (RIVER TERRACE DEPOSITS)
		1.20 1.20	ES SPT	N=20 (2,3/5,5,5,5)			Red brown mottled grey slightly clayey slightly gravelly SAND. Gravel is fine to medium angular to subrounded quartz and occasional chert. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=30 (5,5/7,10,7,6)	2.00		Dark orange brown sandy GRAVEL of fine to coarse angular to subrounded of quartz and chert. (RIVER TERRACE DEPOSITS)	
3.00	SPT	N=32 (8,8/8,7,8,9)	3.45	End of Borehole at 3.45m				

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Dark brown slightly gravelly slightly clayey SAND. Gravel is fine to coarse angular to subrounded of quartz and occasional tile. With abundant rootlets. (MADE GROUND)	
		0.65	D					
		1.20	SPT	N=24 (3,4/6,5,6,7)	2.00		Medium dense dark to light grey mottled orange slightly clayey gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz, chert and occasional sandstone. (RIVER TERRACE DEPOSITS) <i>From 0.65m bgl: Becoming orange brown only.</i>	
		1.60	D					
		2.00	SPT	N=36 (7,8/8,8,10,10)				
3.00	SPT	N=32 (6,6/7,8,8,9)	3.45		Dense orange brown sandy fine to coarse angular to subrounded quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)			
End of Borehole at 3.45m								

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.25	ES		0.02		ASPHALT. (MADE GROUND)	
		0.60	D		0.20		CONCRETE. (MADE GROUND)	
		0.60	ES		0.35		Red sandy fine to coarse angular to subangular brick GRAVEL. (MADE GROUND)	
		1.00	D		0.60		Dark grey slightly gravelly very clayey SAND. Gravel is fine to coarse angular to subrounded of brick. (MADE GROUND)	
		1.20	SPT	N=25 (3,3/5,6,6,8)			Medium dense light grey mottled orange slightly gravelly slightly clayey SAND. Gravel is fine to coarse angular to subrounded of sandstone and quartz. (RIVER TERRACE DEPOSITS)	
		1.50	D				<i>From 1.20 to 1.30m bgl: Very clayey.</i>	
		2.00-3.00	B		2.00		Dense orange brown sandy fine to coarse angular to subrounded quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=43 (8,8/11,11,10,11)			<i>From 2.30 to 2.40m bgl: Gravel sized sand pockets.</i>	
		3.00	SPT	N=41 (7,7/8,11,11,11)				
					3.45		End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15	ES		0.03 0.13 0.20		ASPHALT. (MADE GROUND)	
							CONCRETE. (MADE GROUND)	
							Black slightly clayey sandy fine to coarse angular to subangular asphalt GRAVEL. (MADE GROUND)	
		1.20 1.20	D SPT	N=27 (5,5/6,6,7,8)	1.00		Grey mottled orange brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz and chert. (RIVER TERRACE DEPOSITS)	
		2.00 2.00	D SPT	N=37 (7,8/8,9,9,11)	2.00		Medium dense orange brown SAND and GRAVEL of fine to coarse subangular to subrounded of quartz and sandstone. (RIVER TERRACE DEPOSITS)	
				3.00	SPT	N=36 (6,6/7,9,10,10)	3.00	Dense orange brown sandy fine to coarse angular to subrounded quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)
				3.45			3.45	End of Borehole at 3.45m

Remarks: Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.00m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz, brick and ash. (MADE GROUND)	
		0.50	D				Medium dense orange brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse subrounded of quartz. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=23 (3,3/5,5,6,7)	2.50		At 1.50m to 1.60m bgl: Becoming very clayey.	
		1.80	D				Medium dense dark grey clayey SAND with lenses of hard red clay. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=20 (2,3/3,4,6,7)	3.45			End of Borehole at 3.45m
		2.30	D					
		2.80	D					
		3.00	SPT	N=30 (3,3/6,9,7,8)				

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.30m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
▼		0.21	ES		0.30	▼	Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse subrounded of quartz. With rootlets. (TOPSOIL)	
		1.00	D				Medium dense light grey mottled orange slightly clayey slightly gravelly SAND. Gravel is fine to coarse subrounded of quartz. With relict rootlets. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=21 (2,2/5,5,5,6)			<i>At 1.50m to 1.60m bgl: Becoming clayey.</i>	
		1.80	D		2.00		Medium dense to dense orange brown SAND and GRAVEL of fine to coarse subangular to subrounded quartz and sandstone. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=28 (4,4/6,6,8,8)			<i>At 2.50m to 3.00m bgl: Gravel becoming medium coarse with depth.</i>	
		3.00	SPT	N=32 (5,5/7,8,8,9)	3.45		End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
 D = Disturbed Sample
 U = Undisturbed Sample
 UT = Undisturbed Sample (Thin Wall)
 ES = Environmental Sample
 W = Water Sample
 PID = Photoionization Detector (ppm)
 SPT = Standard Penetration Test
 AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.34m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 28/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.35		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse subrounded brick, tile and ash. (MADE GROUND)	
		1.20	D					Medium dense orange brown slightly gravelly very clayey SAND. Gravel is fine to coarse subrounded of quartz and chert. (RIVER TERRACE DEPOSITS)
		1.20	SPT	N=19 (1,1/3,5,5,6)		Red slightly clayey SAND with rare quartz gravel. (RIVER TERRACE DEPOSITS)		
		1.80	D					Firm blue grey mottled red brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse, angular to subrounded of quartz and sandstone. (RIVER TERRACE DEPOSITS)
		2.00	D		2.70			Medium dense orange brown sandy fine to coarse subangular to subrounded quartz and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)
2.00	SPT	N=15 (3,3/4,3,4,4)	End of Borehole at 3.45m					
		3.00	SPT	N=28 (5,5/7,7,6,8)	3.45			

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater not encountered.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.15	ES		0.30		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse subrounded quartz and brick with abundant rootlets. (MADE GROUND)	
		0.60	D					
		1.20	SPT	N=45 (2,3/9,9,14,13)	1.40		Dense orange brown mottled grey slightly gravelly clayey SAND. Gravel is fine to coarse subangular of quartz and chert. (RIVER TERRACE DEPOSITS)	
		1.30	D					
		2.00	SPT	N=18 (2,2/3,4,6,5)	2.50		Medium dense dark orange brown mottled grey SAND and GRAVEL. Gravel is fine to coarse angular to subrounded quartz. (RIVER TERRACE DEPOSITS)	
		2.40	D					
		3.00	SPT	N=27 (3,3/6,6,7,8)	3.45		Medium dense light grey yellow SAND. (HELSEBY SANDSTONE FORMATION)	
End of Borehole at 3.45m								

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.40m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:

WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.35		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse subangular of brick, tile, clay pipe. Some rootlets. (MADE GROUND)	
		0.80	D				Medium dense grey brown to orange brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse angular to subrounded of quartz and sandstone. (RIVER TERRACE DEPOSITS)	
		1.20	D		1.20		Medium dense dark orange brown slightly clayey SAND and GRAVEL. Gravel is fine to coarse angular to subrounded of quartz, chert and sandstone. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=42 (5,5/8,10,12,12)				
		2.00	SPT	N=15 (3,3/5,4,3,3)	3.45		At 2.30m to 3.00m bgl: Gravel becoming medium coarse with depth.	
		2.50	D					
3.00	SPT	N=23 (1,1/6,6,5,6)						
End of Borehole at 3.45m								

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.50m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.21	ES		0.35		Dark brown clayey SAND with rare gravel. Gravel is coarse, angular to subrounded quartz. (TOPSOIL)	
		1.20	D		1.30		Medium dense light orange brown to yellow slightly clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded of quartz and chert. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=11 (3,3/3,3,2,3)	1.30			
		1.50	D		1.90		Firm orange brown mottled grey slightly gravelly sandy CLAY. Gravel is fine to coarse, angular to subrounded quartz with occasional yellow sand lenses. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=22 (3,4/5,5,5,7)	1.90		Medium dense orange brown to grey brown slightly clayey SAND and GRAVEL of fine to coarse, angular to subrounded quartz, sandstone and chert. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=27 (5,5/6,7,6,8)	3.45		At 2.00m to 2.80m bgl: Becoming grey.	
		End of Borehole at 3.45m						

Remarks: Borehole collapsed 2.0m to 3.0m bgl. Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.40m bgl rising to 1.15m bgl after 20 minutes.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:

WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Soft dark brown sandy CLAY with rare gravel. Gravel is fine to medium, angular to subrounded chert and ash. (MADE GROUND)	
		0.80	D				Soft to firm orange brown mottled grey slightly gravelly sandy CLAY. Gravel is fine to medium, angular to subrounded quartz and chert with occasional dark black patches circa 1mm. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=25 (3,3/6,6,6,7)	1.30		At 1.00m bgl: <i>Becoming very gravelly.</i>	
		2.00	SPT	N=25 (5,5/4,7,7,7)			Medium dense orange brown slightly clayey sandy GRAVEL of fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS) <i>From 1.50m to 1.60m bgl: Red brown sand pocket.</i> <i>From 1.80m to 2.00m bgl: Becoming grey.</i>	
				3.45			End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.0m bgl rising to 0.85 bgl after 20 minutes.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
▼		0.20	ES		0.30		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded of quartz, brick and ash. (MADE GROUND)	
		0.60	D		0.50		Light brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded of quartz and ash fragments. (MADE GROUND)	
		1.20	SPT	N=14 (2,2/3,3,4,4)	1.20		Orange brown slightly clayey slightly gravelly SAND with rare wood fragments. Gravel is fine to coarse, angular to subrounded quartz, chert, ash and sandstone. (MADE GROUND)	
		1.50	D				<i>At 0.80m bgl: Slight red colour and clayey.</i>	
		2.00	SPT	N=15 (2,3/5,4,3,3)	2.00		Firm orange brown mottled grey slightly gravelly sandy CLAY. Gravel is fine to coarse, angular to subrounded chert and quartz with relict rootlets. Becoming gravelly with depth. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=24 (4,4/6,6,5,7)	3.45		<i>At 1.80m bgl: Becoming gravelly with depth.</i> Medium dense orange brown slightly clayey SAND and GRAVEL of fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS) End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 29/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.41	ES		0.25		Dark brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded quartz and ash. (MADE GROUND)	
		0.80	D		0.60		Orangish dark brown slightly clayey SAND with rare gravel of fine to coarse, angular to subrounded quartz and ash. (MADE GROUND)	
		1.20	SPT	N=20 (3,3/5,3,6,6)	1.10		Orange brown slightly gravelly clayey SAND. Gravel is fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS)	
		1.60	D				Medium dense red brown slightly gravelly SAND. Gravel is fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=18 (3,4/5,3,5,5)			Red brown sandy CLAY with black streaks. (RIVER TERRACE DEPOSITS)	
		2.90 3.00	D SPT	N=16 (3,3/4,4,3,5)	2.80		Orange brown slightly clayey SAND and GRAVEL of fine to coarse, angular to subrounded quartz and chert. (RIVER TERRACE DEPOSITS)	
					3.70 4.00		End of Borehole at 4.00m	

Remarks: Borehole installed with gas and groundwater monitoring pipe.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.90m bgl.

Logged: JEH **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 30/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.25	ES		0.25		Black sandy GRAVEL. Gravel is angular to subangular fine to coarse of asphalt. (MADE GROUND)	
		0.50			0.50		Red and black sandy GRAVEL. Gravel is angular to subangular fine to coarse of glass, slate, ceramic tiles and brick fragments. (MADE GROUND)	
		0.80			0.80			
		1.20	SPT	N=29 (2,2/4,7,7,11)	1.15		Dark brown slightly gravelly silty fine SAND. Gravel is angular to rounded fine to coarse of chert and quartzite with occasional brick fragments and rare glass. (MADE GROUND)	
		1.70			1.70			
		2.00	SPT	N=46 (7,8/8,12,12,14)	2.00		Light brown slightly clayey slightly gravelly silty SAND. Gravel is subangular to rounded of chert and quartzite. (MADE GROUND)	
				3.00		Soft greyish light brown slightly gravelly sandy silty CLAY. Gravel is subangular to rounded fine to medium of chert and quartzite. (MADE GROUND) <i>From 1.50m to 1.70m bgl: Red terracotta land drain pipe.</i>		
							Light yellowish brown mottled reddish brown gravelly SAND. Gravel is subangular to rounded fine to medium of quartzite. (RIVER TERRACE DEPOSITS)	
							Dense light brown mottled grey gravelly SAND. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)	
							End of Borehole at 3.00m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.20m bgl.

Logged: AA **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 30/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.30		Brown slightly gravelly silty SAND with rootlets. Gravel is angular to rounded fine to coarse of chert and quartzite. (TOPSOIL)	
					0.80		Light brown slightly gravelly slightly clayey silty SAND. Gravel is subrounded to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=17 (3,3/4,4,4,5)	1.20		Red slightly gravelly slightly clayey silty SAND. Gravel is subrounded to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=26 (4,4/6,6,7,7)	1.80 1.95 2.25		Medium dense orangish red mottled grey slightly gravelly slightly silty SAND. Gravel is subrounded to rounded fine to medium gravel of quartzite. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=29 (5,5/7,6,7,9)	2.80		Firm red mottled brown sandy silty CLAY. (RIVER TERRACE DEPOSITS)	
					3.45		Medium dense red mottled brown SAND. (RIVER TERRACE DEPOSITS)	
							Firm to stiff reddish brown mottled grey slightly gravelly CLAY. Gravel is subrounded to rounded fine to coarse of chert and quartzite. (RIVER TERRACE DEPOSITS)	
							Medium dense orange mottled brown slightly gravelly silty SAND. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)	
							End of Borehole at 3.45m	

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.10m bgl.

Logged: AA **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords: 428924E, 265977N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 53.45m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 07/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30	53.15	Brown clayey gravelly SAND with occasional rootlets. Gravel is sub angular to rounded fine to coarse of flint (TOPSOIL)	
		0.80-1.00	D					
		1.20	SPT	N=13 (2,3/2,3,4,4)			Loose to medium dense reddish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		1.80-2.00	D		1.80	51.65		
		2.00	SPT	N=10 (2,2/3,2,3,2)			Soft to firm grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=14 (2,1/2,3,4,5)				
	3.50-4.00	D		3.50	49.95	Very dense orangish brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mudstone, sandstone and flint. (RIVER TERRACE DEPOSITS)		
	4.00	SPT	N≥50 (8,12/50 for 210mm)					
				4.36	49.09	End of Borehole at 4.36m		

Remarks: 1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 4.36m bgl. 3) Gas and Groundwater monitoring pipe installed to 4.00m bgl. Response zone between 1.00m to 4.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.50m bgl.

Logged: TB **Checked:** NT

Window Sampler

Borehole No.
WS202

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords: 428913E, 266006N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 53.31m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 07/04/21 - 08/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30			53.01		Brown clayey gravelly SAND with occasional rootlets. Gravel is sub angular to rounded fine to coarse of flint (TOPSOIL)	
		1.00			52.31		Reddish brown clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=19 (0,2/3,4,5,7)	52.11		Light brown and reddish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=13 (5,6/4,3,3,3)			Medium dense red fine to medium SAND (RIVER TERRACE DEPOSITS)	
		2.40			50.91		Soft grey mottled reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		2.90	SPT	N=8 (1,1/1,2,2,3)	50.41		Loose becoming very dense orangish brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mudstone, sandstone and flint. (RIVER TERRACE DEPOSITS)	
		4.00	SPT	N≥50 (3,9/50 for 190mm)				
				4.34	48.97		End of Borehole at 4.34m	

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 4.34m bgl. 3) Gas and Groundwater monitoring pipe installed to 4.00m bgl. Response zone between 1.00m to 4.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

Groundwater encountered at 1.50m bgl.

Logged: TB

Checked: NT

Window Sampler

Borehole No.
WS204

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords: 428994E, 266013N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.33m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 07/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.30	ES		0.20	52.13		Blackish grey gravelly SAND. Gravel is angular to subangular fine to coarse of asphalt and limestone (MADE GROUND)		
		0.50	ES		0.40	51.93				
		1.00	D		0.60	51.73		Reddish brown clayey gravelly SAND. Gravel is sub angular to rounded fine to coarse of flint (MADE GROUND)		
		1.20	SPT	N=6 (1,1/1,2,1,2)	1.10	51.23				
		1.80	D			Yellowish grey and light brown sandy fine to coarse, angular to subangular fine to coarse limestone GRAVEL with medium cobble content. Cobbles are angular of limestone. (MADE GROUND)				
		2.00	SPT	N=22 (3,4/4,6,6,6)			2.80	49.53		
		2.50-2.70	D			Firm reddish brown and yellowish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)				
		3.00	SPT	N≥50 (6,7/50 for 295mm)			3.50-3.70	D		
										Very dense brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)
					4.44	47.89	End of Borehole at 4.44m			

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 4.44m bgl. 3) Gas and Groundwater monitoring pipe installed to 4.00m bgl. Response zone between 1.00m to 4.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

Groundwater encountered at 1.50m bgl.

Logged: TB

Checked: NT

Project Name: Montague Road, Warwick

Co-ords: 429006E, 266040N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.03m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.30	51.73	Brown clayey gravelly SAND with frequent rootlets and occasional roots. Gravel is subangular to rounded fine to coarse of flint (TOPSOIL)	
		1.00	D		0.90	51.13	Light brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=16 (1,3/3,3,4,6)				Medium dense orangish brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mudstone, sandstone and flint. (RIVER TERRACE DEPOSITS)
		1.50-1.70	D		1.50	50.53	Medium dense reddish brown and light grey slightly sandy very clayey fine to coarse, subangular to rounded flint GRAVEL. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=11 (5,3/2,2,2,5)				End of Borehole at 2.45m
					2.45	49.58		

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 2.45m bgl. 3) Gas and Groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.00m to 2.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

None encountered.

Logged: TB

Checked: NT

Project Name: Montague Road, Warwick

Co-ords: 428982E, 266059N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.04m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.10	51.94	ASPHALT (ASPHALT)		
		0.25			0.25	51.79	Dark red sandy fine to coarse, angular slate and brick GRAVEL. (MADE GROUND)		
		0.50	ES		0.45	51.59	Red sandy fine to coarse, angular brick GRAVEL with high cobble content. Cobbles are angular of bricks (MADE GROUND)		
		1.00	D		0.80	51.24	Yellowish brown and grey slightly clayey gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)		
		1.20	SPT	N=16 (1,3/2,3,4,7)					Medium dense brown and reddish brown slightly gravelly SAND. Gravel is subrounded to rounded fine to medium of flint (RIVER TERRACE DEPOSITS)
		1.80-2.00	D		2.00	50.04	Dense brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)		
		2.00	SPT	N=14 (4,3/3,4,3,4)					Dense brown very sandy fine to coarse, subrounded to rounded flint GRAVEL. (RIVER TERRACE DEPOSITS)
		2.80-3.00	D		3.20	48.84			End of Borehole at 3.63m
		3.00	SPT	N=38 (4,4/6,6,11,15)					
		3.30-3.50	D		3.63	48.41			
	3.50	SPT	N≥50 (25 for 60mm/50 for 75mm)						

Remarks: 1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 3.63m bgl. 3) Gas and Groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m to 3.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 2.50m bgl.

Logged: TB **Checked:** NT

Project Name: Montague Road, Warwick

Co-ords: 428938E, 266095N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.23m OD

Scale:

1:50

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.30	51.93		Brown clayey gravelly SAND with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint (TOPSOIL)	
		1.10	D		1.10	51.13		Light brown and reddish brown slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=15 (1,3/4,4,3,4)					
		1.60-2.00	D		1.50	50.73		Reddish brown and light grey slightly sandy very clayey subangular to rounded, fine to coarse flint GRAVEL. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=8 (3,2/2,2,2,2)					
		2.60-2.80	D		2.00	50.23		Brown slightly gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N≥50 (6,8/50 for 295mm)					
					3.44	48.79		End of Borehole at 3.44m	

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 3.44m bgl. 3) Gas and Groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m to 4.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

Groundwater encountered at 1.50m bgl.

Logged: TB

Checked: NT

Window Sampler

Borehole No.

WS208

Sheet 1 of 1

Project Name: Montague Road, Warwick

Co-ords: 428997E, 266128N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.03m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 08/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.40	51.63	Brown clayey gravelly SAND with frequent rootlets and occasional roots. Gravel is subangular to rounded fine to coarse of flint (TOPSOIL)	
		0.60	D					
		1.20	SPT	N=10 (2,2/2,2,3,3)	1.70	50.33	Soft yellowish brown reddish brown and light grey slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		1.50-1.70	D					
		2.00	SPT	N=32 (5,6/7,7,8,10)				
		2.50-2.70	D		3.44	48.59	Dense to very dense brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N≥50 (5,8/50 for 295mm)				
End of Borehole at 3.44m								

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 3.44m bgl. 3) Gas and Groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m to 3.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

Groundwater encountered at 2.60m bgl.

Logged: TB **Checked:** NT

Project Name: Montague Road, Warwick

Co-ords: 429031E, 266079N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 51.89m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 07/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.15	51.74	ASPHALT. (ASPHALT)		
		0.30			0.30	51.59	Yellowish brown and red angular to subangular fine to coarse GRAVEL of limestone and bricks (MADE GROUND)		
		0.45			0.45	51.44	Brown and red gravelly SAND. Gravel is angular to subangular fine to coarse of bricks (MADE GROUND)		
		1.20	SPT	N=24 (2,4/5,6,7,6)					Soft to firm bluish grey and grey slightly gravelly sandy CLAY with occasional roots. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)
		1.60	D			1.50	50.39		
		2.00	SPT	N=8 (3,1/1,1,3,3)					Loose reddish brown, brown and rare grey slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)
		2.90	D			2.90	48.99		
3.00	SPT	N≥50 (25 for 80mm/50 for 70mm)				Very dense light grey gravelly SAND. Gravel is sub angular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)			
				3.15	48.74		End of Borehole at 3.15m		

Remarks: 1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 3.15m bgl. 3) Gas and Groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m to 3.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.80m bgl.

Logged: TB **Checked:** NT

Project Name: Montague Road, Warwick

Co-ords:

Hole Type:
WLS

Location: Warwick

Project No:
C-06406-C

Ground Level:

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 30/03/17

Hole Diameter:

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.30		Brown slightly gravelly silty SAND with rootlets and rare ash. Gravel is angular to rounded fine to coarse of ceramic tile, brick fragments, chert and quartzite. (MADE GROUND)	
		1.20	SPT	N=25 (3,3/5,5,6,9)	1.00		Light brown slightly gravelly slightly clayey silty SAND. Gravel is subrounded to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)	
		2.00	SPT	N=29 (5,5/6,7,7,9)	2.40		Medium dense reddish brown slightly gravelly clayey silty SAND. Gravel is subrounded to rounded fine to medium of chert and quartzite. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=31 (5,6/7,8,8,8)	3.45		Medium dense orange mottled grey gravelly SAND with medium cobble content. Gravel is subrounded to rounded fine to coarse of quartzite. (RIVER TERRACE DEPOSITS)	
		End of Borehole at 3.45m						

Remarks: Borehole backfilled with arisings upon completion.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater: Groundwater encountered at 1.90m bgl.

Logged: AA **Checked:** JRH

Project Name: Montague Road, Warwick

Co-ords: 429071E, 266060N

Hole Type:
WS

Location: Warwick

Project No:
C-06406-C

Ground Level: 52.00m OD

Scale:
1:50

Client: Crest Nicholson Chiltern

Date(s): 07/04/21

Hole Diameter:
110mm

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.40	51.60	Brown clayey gravelly SAND with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint (TOPSOIL)	
		0.60	D				Firm reddish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)	
		1.20	SPT	N=24 (1,3/5,6,6,7)				
		2.00	SPT	N=10 (3,2/2,2,2,4)	1.70	50.30	Medium dense reddish brown, brown and rare grey slightly clayey gravelly SAND. Gravel is subangular to rounded fine to coarse of flint (RIVER TERRACE DEPOSITS)	
		2.60	D		2.50	49.50	Loose grey orangish brown and red fine to medium SAND. (RIVER TERRACE DEPOSITS)	
		3.00	SPT	N=4 (0,0/0,0,1,3)				
		3.40	D		3.40	48.60	Very dense yellowish brown and grey fine to medium SAND (RIVER TERRACE DEPOSITS)	
		3.60	SPT	N≥50 (25 for 135mm/50 for 80mm)	3.60	48.40		
							End of Borehole at 3.81m	

Remarks:

1) Hand dug pit to 1.20m bgl. 2) Borehole completed at 3.81m bgl. 3) Gas and Groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m to 3.00m bgl. 4) Er = 71%.

B = Bulk Sample
D = Disturbed Sample
U = Undisturbed Sample
UT = Undisturbed Sample (Thin Wall)
ES = Environmental Sample
W = Water Sample
PID = Photoionization Detector (ppm)
SPT = Standard Penetration Test
AB = Asbestos Bulk Sample

Groundwater:

Groundwater encountered at 1.80m bgl.

Logged: TB

Checked: NT

Appendix C

Site Monitoring Data and Ground Gas Risk Assessment

Site: Kettering Gateway				Notes on site conditions:										Gas analyser:				Model: GA5000 Serial No.: G507103						
Job number: C-14441-C Client: SEGRO Notes: LEL = lower explosive limit = 5%v/v. Where the flow is less than the limit of detection of the instrument, the detection limit is reported. GSVs are rounded to 3 places.				30/04/21		Dry, Hard Ground								Equipment check OK:				OK (Field Check/Calibration 30/04/21)						
				06/05/21		Hard Ground/Raining								Service in date:				14/07/2021						
				14/05/21		Standing Water in places/showers								Calibration check OK:				OK (Factory Calibration 14/01/21)						
				19/05/21		Standing Water in places/showers								Name of person monitoring:				David Webster						
Monitoring round		Borehole details					Pressure and flow					Gas concentrations								GSV		Local conditions		
Date	Time	Borehole	Single or dual gas tap	Response zone depth (m)	Depth to water or depth of hole if dry (m)	D denotes dry hole	Volume of headspace in BH (well pipe & filter pack) (m³)	Atmospheric pressure (hPa)	Atm pressure falling / rising / steady	Relative BH pressure (hPa)	Gas flow* (l/hr)	Gas flow* (absolute value) (l/hr)	VOC (as ppm using PID)	CH ₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		O ₂ (%v/v)		Gas Screening Value (CH ₄) (l/hr)	Gas Screening Value (CO ₂) (l/hr)	Notes on condition of borehole and surrounding ground
														Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
30/04/21	11:08	WS11	S	2.1	0.94			1006	S	28.26	-1.40	-1.40		0.1	0.1	2.0	2.0	0.4	0.4	20.6	20.6	<0.007	<0.007	OK
30/04/21	11:16	WS15	S	2.49	2.49	D		1006	S	-0.11	0.20	0.20		0.1	0.1	2.0	2.0	0.5	0.5	21.1	21.1	<0.007	<0.007	DRY
30/04/21	10:03	WS22	S	3.1	2.53			1005	S	0	0.20	0.20		0.1	0.1	2.0	2.0	0.8	0.8	20.2	20.2	<0.007	<0.007	OK
30/04/21	10:45	WS26	S	3.04	1.31			1006	S	0.04	0.20	0.20		0.1	0.1	2.0	2.0	1.3	1.3	18.8	18.8	<0.007	<0.007	OK
30/04/21	10:36	WS34	S	1.97	1.91			1006	S	-0.04	0.20	0.20		0.1	0.1	2.0	2.0	0.2	0.1	21.0	21.1	<0.007	<0.007	OPEN
30/04/21	09:41	WS38	S	2.99	1.00			1005	S	0.14	-1.40	-1.40		0.1	0.1	2.0	2.0	0.3	0.3	20.9	20.9	<0.007	<0.007	OPEN
30/04/21	10:12	WS40	S	2.99	1.80			1005	S	-0.04	0.20	0.20		0.1	0.1	2.0	2.0	0.8	0.8	20.3	20.3	<0.007	<0.007	OK
30/04/21	10:20	WS42	S	1.99	1.34			1006	S	-0.09	0.20	0.20		0.1	0.1	2.0	2.0	1.3	1.3	14.3	14.3	<0.007	<0.007	OK
30/04/21	10:55	WS45	S	1.93	1.93	D		1006	S	-0.14	0.20	0.20		0.1	0.1	2.0	2.0	0.3	0.3	20.9	20.9	<0.007	<0.007	DRY
30/04/21	10:28	WS60	S	1.3	1.30	D		1006	S	0	0.10	0.10		0.1	0.1	2.0	2.0	0.8	0.8	19.7	20.2	<0.007	<0.007	DRY
06/05/21	14:44	WS11	S	2.1	0.78			997	F	25.63	-2.80	-2.80		0.1	0.1	2.0	2.0	0.4	0.4	20.2	20.3	<0.007	<0.007	OK
06/05/21	14:52	WS15	S	2.49	2.49	D		997	F	-0.05	0.20	0.20		0.1	0.1	2.0	2.0	0.7	0.7	20.3	20.3	<0.007	<0.007	OK
06/05/21	14:03	WS22	S	3.1	2.51			996	F	0.05	0.20	0.20		0.1	0.1	2.0	2.0	0.9	0.9	19.9	20.0	<0.007	<0.007	OK
06/05/21	14:31	WS26	S	3.04	1.31			997	F	-0.18	0.20	0.20		0.1	0.1	2.0	2.0	1.6	1.6	17.8	17.8	<0.007	<0.007	OK
06/05/21	14:25	WS34	S	1.97	1.81			997	F	-0.32	0.20	0.20		0.1	0.1	2.0	2.0	0.6	0.6	20.4	20.4	<0.007	<0.007	OK
06/05/21	13:57	WS38	S	2.99	1.04			996	F	-5.07	-1.40	-1.40		0.1	0.1	2.0	2.0	0.3	0.3	20.6	20.6	<0.007	<0.007	OK
06/05/21	14:09	WS40	S	2.99	1.76			996	F	-0.09	0.20	0.20		0.1	0.1	2.0	2.0	0.7	0.7	20.4	20.4	<0.007	<0.007	OK
06/05/21	14:20	WS42	S	1.99	1.35			997	F	-0.25	0.20	0.20		0.1	0.1	2.0	2.0	0.7	0.7	19.4	19.5	<0.007	<0.007	OK
06/05/21	14:38	WS45	S	1.93	1.82			997	F	0.04	0.20	0.20		0.1	0.1	2.0	2.0	0.8	0.8	17.4	17.4	<0.007	<0.007	OK
06/05/21	14:15	WS60	S	1.3	1.29	D		997	F	0	0.20	0.20		0.1	0.1	2.0	2.0	0.8	0.8	20.0	20.0	<0.007	<0.007	OK DRY
14/05/21		WS11	S	2.1	0.46			1002	R	59.54	4.30	4.30		0.1	0.1	2.0	2.0	0.4	0.4	20.7	20.8	<0.007	0.017	OK STANDING WATER
14/05/21		WS15	S	2.49	2.48	D		1002	R	0.00	0.20	0.20		0.1	0.1	2.0	2.0	0.5	0.5	21.0	21.0	<0.007	<0.007	DRY
14/05/21		WS22	S	3.1	2.41			1002	R	0.04	0.20	0.20		0.1	0.1	2.0	2.0	0.2	0.2	20.8	20.9	<0.007	<0.007	OK
14/05/21		WS26	S	3.04	1.21			1002	R	0.05	0.20	0.20		0.1	0.1	2.0	2.0	1.6	1.6	16.8	16.8	<0.007	<0.007	OK
14/05/21		WS34	S	1.97	1.65			1002	R	-0.02	0.20	0.20		0.1	0.1	2.0	2.0	0.5	0.5	19.7	20.7	<0.007	<0.007	OK
14/05/21		WS39	S	2.99	0.83			1002	R	11.21	-1.30	1.30		0.1	0.1	2.0	2.0	0.3	0.3	20.5	20.5	<0.007	<0.007	OK STANDING WATER
14/05/21		WS40	S	2.99	1.67			1002	R	0.02	0.20	0.20		0.1	0.1	2.0	2.0	0.7	0.7	20.2	20.2	<0.007	<0.007	OK
14/05/21		WS42	S	1.3	1.35			1002	R	-0.02	0.20	0.20		0.1	0.1	2.0	2.0	1.2	1.2	15.3	15.3	<0.007	<0.007	OK
14/05/21		WS45	S	1.93	1.65			1002	R	59.05	-4.60	4.60		0.1	0.1	2.0	2.0	1.0	1.0	16.1	16.1	<0.007	0.046	OK
14/05/21		WS60	S	1.99	0.89			1002	R	-8.74	-2.70	2.70		0.1	0.1	2.0	2.0	0.6	0.6	20.4	20.4	<0.007	0.016	OK

Monitoring round		Borehole details					Pressure and flow					Gas concentrations								GSV		Local conditions		
Date	Time	Borehole	Single or dual gas tap	Response zone depth (m)	Depth to water or depth of hole if dry (m)	D denotes dry hole	Volume of headspace in BH (well pipe & filter pack) (m ³)	Atmospheric pressure (hPa)	Atm pressure falling / rising / steady	Relative BH pressure (hPa)	Gas flow* (l/hr)	Gas flow* (absolute value) (l/hr)	VOC (as ppm using PID)	CH ₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		O ₂ (%v/v)		Gas Screening Value (CH ₄) (l/hr)	Gas Screening Value (CO ₂) (l/hr)	Notes on condition of borehole and surrounding ground
														Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
19/05/21		WS11	S	2.1	0.37			1009	R	11.46	-5.40	5.40		0.1	0.1	2.0	2.0	0.3	0.3	20.2	20.2	<0.007	0.016	OK
19/05/21		WS15	S	2.49	2.48			1009	R	-0.04	0.20	0.20		0.1	0.1	2.0	2.0	0.5	0.5	20.5	20.5	<0.007	<0.007	DRY
19/05/21		WS22	S	3.1	2.45			1009	R	0.12	0.20	0.20		0.1	0.1	2.0	2.0	1.1	1.1	18.7	18.7	<0.007	<0.007	OK
19/05/21		WS26	S	3.04	1.25			1009	R	0.12	0.10	0.10		0.1	0.1	2.0	2.0	1.6	1.6	16.8	16.8	<0.007	<0.007	OK
19/05/21		WS34	S	1.97	1.65			1009	R	-0.05	0.10	0.10		0.1	0.1	2.0	2.0	0.5	0.5	20.3	20.3	<0.007	<0.007	OK
19/05/21		WS38	S	2.99	0.74			1009	R	10.52	-0.50	0.50		0.1	0.1	2.0	2.0	0.2	0.2	20.5	20.5	<0.007	<0.007	OK
19/05/21		WS40	S	2.99	1.72			1009	R	0.05	0.10	0.10		0.1	0.1	2.0	2.0	0.6	0.6	19.8	19.8	<0.007	<0.007	OK
19/05/21		WS42	S	1.3	1.37			1009	R	0.02	0.20	0.20		0.1	0.1	2.0	2.0	0.1	0.1	20.7	20.8	<0.007	<0.007	OK
19/05/21		WS45	S	1.93	1.56			1009	R	31.62	-8.60	8.60		0.1	0.1	2.0	2.0	1.0	1.0	15.2	15.2	0.009	0.086	OK
19/05/21		WS60	S	1.99	1.09			1009	R	-0.05	0.20	0.20		0.1	0.1	2.0	2.0	0.5	0.5	20.3	20.3	<0.007	<0.007	OK

Appendix D

Contamination Test Results and Statistical Analysis

Contamination Test Results



Nathan Thompson
Hydrock Consultants Ltd
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NN6 8LD

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Watford,
Herts,
WD18 8YS

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Analytical Report Number : 21-70464

Project / Site name:	Kettering Gateway	Samples received on:	22/04/2021
Your job number:	C 14441 C	Samples instructed on/ Analysis started on:	22/04/2021
Your order number:	PO06401	Analysis completed by:	29/04/2021
Report Issue Number:	1	Report issued on:	29/04/2021
Samples Analysed:	36 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846594	1846595	1846596	1846597	1846598			
Sample Reference	WS01	WS02	WS03	WS04	WS05			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.50	0.60	1.40	0.20	0.60			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	12	12	12	13
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.4	7.3	7.5	7.4	7.4
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.019	0.025	0.028	0.025	0.053
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	0.0099	0.0021	0.0028	0.0011

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	98	51	86	44	63
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.2	2.8	5.1	3.5	4.7
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.6	0.9	0.2	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	98	140	180	180	170
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	99	140	180	180	170
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.9	17	15	11	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	24	38	38	38	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	120	52	78	56	68
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	200	290	400	380	370
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	220	170	230	210	230

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846594	1846595	1846596	1846597	1846598
Sample Reference	WS01	WS02	WS03	WS04	WS05
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.50	0.60	1.40	0.20	0.60
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

Monoaromatics & Oxygenates

Compound	µg/kg	Limit of detection	Accreditation Status	1846594	1846595	1846596	1846597	1846598
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic > EC5 - EC6	mg/kg	Limit of detection	Accreditation Status	1846594	1846595	1846596	1846597	1846598
TPH-CWG - Aliphatic > EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic > EC10 - EC12	mg/kg	1	MCERTS	1.8	-	-	2.9	-
TPH-CWG - Aliphatic > EC12 - EC16	mg/kg	2	MCERTS	3.2	-	-	< 2.0	-
TPH-CWG - Aliphatic > EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPH-CWG - Aliphatic > EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	< 10	-

TPH-CWG - Aromatic > EC5 - EC7	mg/kg	Limit of detection	Accreditation Status	1846594	1846595	1846596	1846597	1846598
TPH-CWG - Aromatic > EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic > EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic > EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPH-CWG - Aromatic > EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPH-CWG - Aromatic > EC16 - EC21	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic > EC21 - EC35	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	< 10	-

TPH Total C5 - C44	mg/kg	10	NONE	< 10	-	-	< 10	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846599	1846600	1846601	1846602	1846603			
Sample Reference	WS06	WS07	WS08	WS17	WS18			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.70	0.40	0.60	0.10	0.40			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	13	11	8.6	14
Total mass of sample received	kg	0.001	NONE	1.0	0.70	1.0	0.70	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	7.2	6.4	7.1	6.6
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.065	0.024	0.031	0.022	0.049
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	0.0073	0.0045	0.0053	0.0011

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	32	54	40	54	130
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.8	2.2	2.5	3.1	3.6
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.3	0.8	0.7	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	190	97	120	140	230
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	190	97	120	140	230
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.6	9.2	15	23	10
Lead (aqua regia extractable)	mg/kg	1	MCERTS	36	29	31	44	61
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	52	58	51	63	97
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	380	180	260	310	500
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	210	240	220	200	230

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846599	1846600	1846601	1846602	1846603			
Sample Reference	WS06	WS07	WS08	WS17	WS18			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.70	0.40	0.60	0.10	0.40			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	< 10

TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	-	-	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846604	1846605	1846606	1846607	1846608			
Sample Reference	WS19	WS20	WS21	WS23	WS24			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.60	0.20	0.20	0.20	0.80			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	13	16	13	16
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.1	7.1	6.0	6.7	6.8
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018	0.015	0.084	0.039	0.078
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0079	0.0012	< 0.0010	0.0030	0.0022

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	140	120	15	35	46
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	6.3	8.5	5.7	3.4	6.6
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.7	< 0.2	0.6	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	230	240	340	150	360
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	230	240	340	150	360
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	8.9	9.4	19	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	49	55	57	35	58
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	100	93	100	63	96
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	530	510	650	300	720
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	320	370	350	200	350

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number				1846604	1846605	1846606	1846607	1846608
Sample Reference				WS19	WS20	WS21	WS23	WS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	0.20	0.20	0.20	0.80
Date Sampled				20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
o-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	-	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	-	-

TPH Total C5 - C44	mg/kg	10	NONE	-	-	< 10	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846609	1846610	1846611	1846612	1846613			
Sample Reference	WS36	WS37	WS38	WS39	WS40			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.40	0.70	0.70	0.30	0.20			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	17	17	18	10
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	0.50

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.5	7.4	7.4	7.5	7.4
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.012	0.034	0.022	0.028	0.020
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0099	< 0.0010	< 0.0010	< 0.0010	0.0028

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	46	82	93	55	86
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	3.2	1.8	2.3	2.0	3.6
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.4	0.4	0.5	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	100	87	100	82	180
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	100	88	100	82	180
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	< 1.0	14	4.3	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	37	20	21	19	46
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	42	51	70	47	79
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	250	160	210	200	380
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	170	130	130	140	220

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846609	1846610	1846611	1846612	1846613			
Sample Reference	WS36	WS37	WS38	WS39	WS40			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.40	0.70	0.70	0.30	0.20			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	< 10	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	< 10	-

TPH Total C5 - C44	mg/kg	10	NONE	< 10	-	-	< 10	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846614	1846615	1846616	1846617	1846618			
Sample Reference	WS43	WS49	WS50	WS51	WS53			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.80	0.80	0.90	0.10	0.60			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	16	16	9.5	16
Total mass of sample received	kg	0.001	NONE	1.0	0.50	1.0	0.50	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	6.9	6.8	7.3	7.3
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.014	0.014	0.061	2.2	0.13
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	0.019	< 0.0010

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	130	87	46	81	71
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.6	1.4	1.7	1.2	2.1
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	0.4	0.4	1.6	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	100	100	97	44	87
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	100	100	98	44	87
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	11	8.9	16	8.5
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	19	21	15	24
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	47	34	40	33	48
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	160	150	220	77	200
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	97	120	120	97

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number				1846614	1846615	1846616	1846617	1846618
Sample Reference				WS43	WS49	WS50	WS51	WS53
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	0.80	0.90	0.10	0.60
Date Sampled				20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	-	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	-	< 10

TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	-	-	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number	1846619	1846620	1846621	1846622	1846623			
Sample Reference	WS54	WS56	WS16	WS22	WS15			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	1.70	0.50	0.20	0.30			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	15	10	9.3	8.3
Total mass of sample received	kg	0.001	NONE	1.2	1.0	0.90	1.0	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.0	6.6	6.9	7.5	7.3
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.032	0.055	0.028	0.0069	0.011
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	< 0.0010	0.0035	0.0073	0.0021

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	82	110	64	41	76
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.9	2.1	4.6	2.6	5.9
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.3	0.9	0.8	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	90	93	180	85	200
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	91	93	180	86	200
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.4	8.8	14	13	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	27	21	44	27	47
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44	59	66	36	79
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	190	200	420	190	440
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	190	140	220	130	260

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number				1846619	1846620	1846621	1846622	1846623
Sample Reference				WS54	WS56	WS16	WS22	WS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.70	0.50	0.20	0.30
Date Sampled				20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
o-xylene	µg/kg	1	MCERTS	-	-	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	-	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	-	-

TPH Total C5 - C44	mg/kg	10	NONE	-	-	< 10	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Kettering Gateway

Lab Sample Number	1846624	1846625	1846626	1846627	1846628			
Sample Reference	WS14	WS59	WS12	WS13	WS25			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.50	0.20	0.40	1.30	0.30			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	12	13	13	12
Total mass of sample received	kg	0.001	NONE	0.70	0.50	1.0	0.70	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	7.4	6.5	7.4	7.3
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.079	0.037	0.052	0.036	0.083
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	0.0037	< 0.0010	< 0.0010	0.0018

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	50	50	62	68	56
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.5	3.1	4.3	2.1	4.7
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	0.8	0.5	0.5	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	150	140	240	100	240
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	150	140	240	110	240
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.3	15	20	4.3	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	30	42	51	22	49
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	88	57	84	66	74
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	300	320	510	200	500
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	190	200	310	160	290

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Lab Sample Number	1846624	1846625	1846626	1846627	1846628			
Sample Reference	WS14	WS59	WS12	WS13	WS25			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.50	0.20	0.40	1.30	0.30			
Date Sampled	20/04/2021	20/04/2021	20/04/2021	20/04/2021	20/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	5.7	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-	-	13	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-	-	27	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	12	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	45	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	57	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	-	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	-	-	< 10	-

TPH Total C5 - C44	mg/kg	10	NONE	< 10	-	-	57	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70464
Project / Site name: Kettering Gateway

Lab Sample Number				1846629
Sample Reference				WS41
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				20/04/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	13
Total mass of sample received	kg	0.001	NONE	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.8
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0086

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	41
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.6
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2
Chromium (III)	mg/kg	1	NONE	100
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	100
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20
Lead (aqua regia extractable)	mg/kg	1	MCERTS	34
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	46
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	220
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150

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Lab Sample Number				1846629
Sample Reference				WS41
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				20/04/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Monoaromatics & Oxygenates				
Benzene	µg/kg	1	MCERTS	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	1.3
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	5.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10

TPH Total C5 - C44	mg/kg	10	NONE	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 21-70464
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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1846594	WS01	None Supplied	0.5	Brown clay and sand with gravel and vegetation.
1846595	WS02	None Supplied	0.6	Brown clay and sand with gravel and vegetation.
1846596	WS03	None Supplied	1.4	Brown clay and sand with gravel and vegetation.
1846597	WS04	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
1846598	WS05	None Supplied	0.6	Brown clay and sand with gravel and vegetation.
1846599	WS06	None Supplied	0.7	Brown clay and sand with gravel and vegetation.
1846600	WS07	None Supplied	0.4	Brown clay and sand with gravel and vegetation.
1846601	WS08	None Supplied	0.6	Brown clay and sand with gravel and vegetation.
1846602	WS17	None Supplied	0.1	Brown clay and sand with gravel and vegetation.
1846603	WS18	None Supplied	0.4	Brown clay and sand with gravel and vegetation.
1846604	WS19	None Supplied	0.6	Brown clay and sand with gravel and vegetation.
1846605	WS20	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
1846606	WS21	None Supplied	0.2	Brown sandy clay.
1846607	WS23	None Supplied	0.2	Brown sandy clay.
1846608	WS24	None Supplied	0.8	Brown sandy clay with gravel.
1846609	WS36	None Supplied	0.4	Brown clay and loam with gravel and vegetation.
1846610	WS37	None Supplied	0.7	Brown sandy clay with gravel.
1846611	WS38	None Supplied	0.7	Brown sandy clay with gravel.
1846612	WS39	None Supplied	0.3	Brown sandy clay with gravel.
1846613	WS40	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
1846614	WS43	None Supplied	0.8	Brown sandy clay.
1846615	WS49	None Supplied	0.8	Brown sandy clay with gravel.
1846616	WS50	None Supplied	0.9	Brown sandy clay.
1846617	WS51	None Supplied	0.1	Light grey sandy clay.
1846618	WS53	None Supplied	0.6	Brown sandy clay.
1846619	WS54	None Supplied	0.2	Brown sandy clay.
1846620	WS56	None Supplied	1.7	Brown sandy clay.
1846621	WS16	None Supplied	0.5	Brown sandy clay with gravel.
1846622	WS22	None Supplied	0.2	Brown clay and loam with vegetation and gravel
1846623	WS15	None Supplied	0.3	Brown clay and loam with vegetation and gravel
1846624	WS14	None Supplied	0.5	Brown sandy clay with gravel.
1846625	WS59	None Supplied	0.2	Brown sandy clay with gravel.
1846626	WS12	None Supplied	0.4	Brown sandy clay with gravel.
1846627	WS13	None Supplied	1.3	Brown sandy clay with gravel.
1846628	WS25	None Supplied	0.3	Brown sandy clay with gravel.
1846629	WS41	None Supplied	0.7	Brown clay and sand with gravel.

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Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE



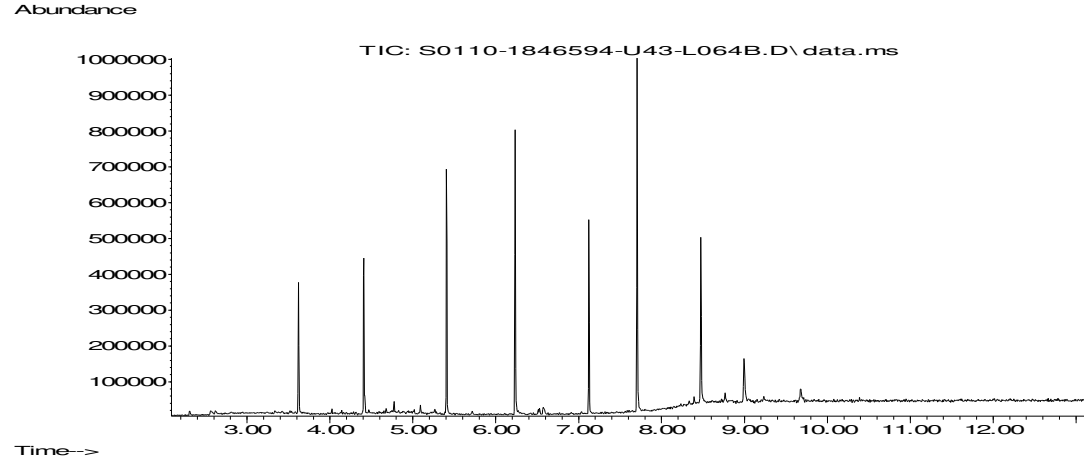
Analytical Report Number : 21-70464
 Project / Site name: Kettering Gateway

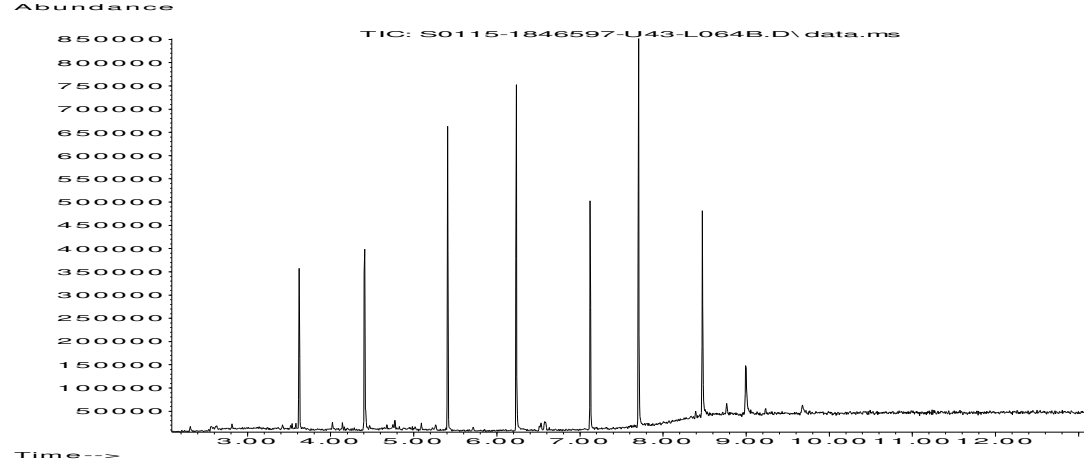
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

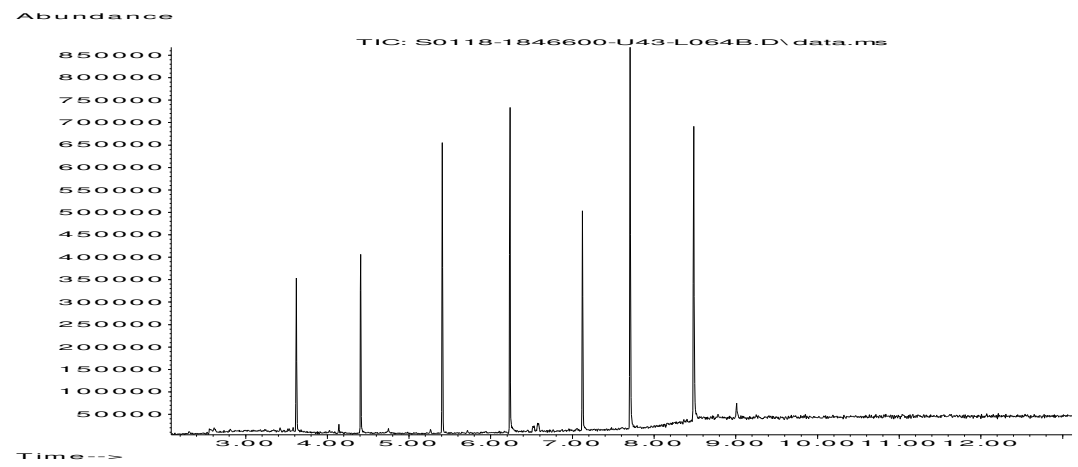
Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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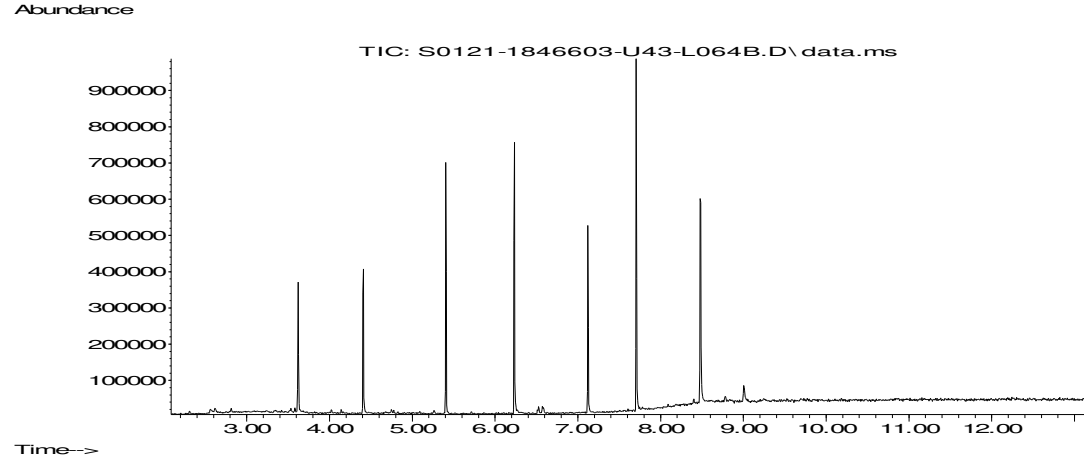
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
 For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
 Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

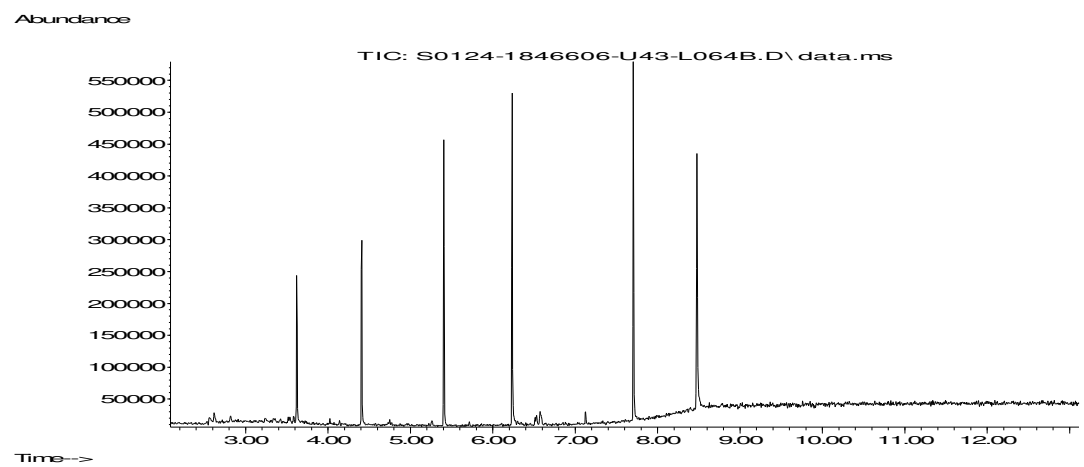
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.





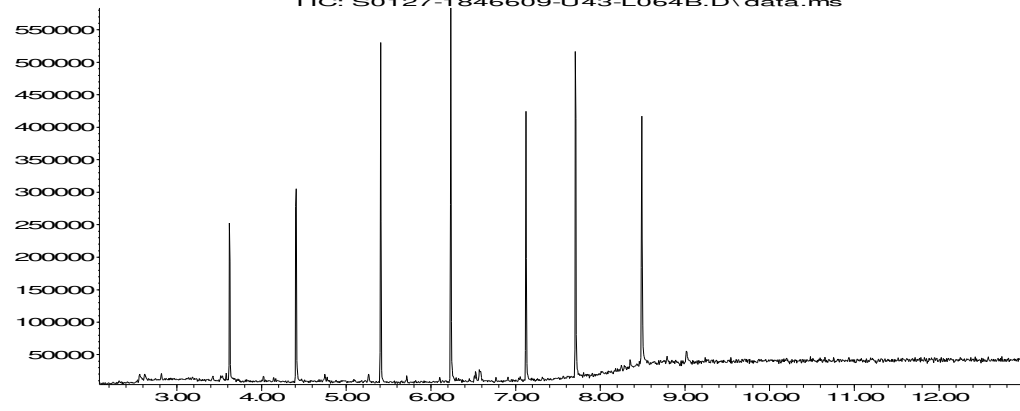




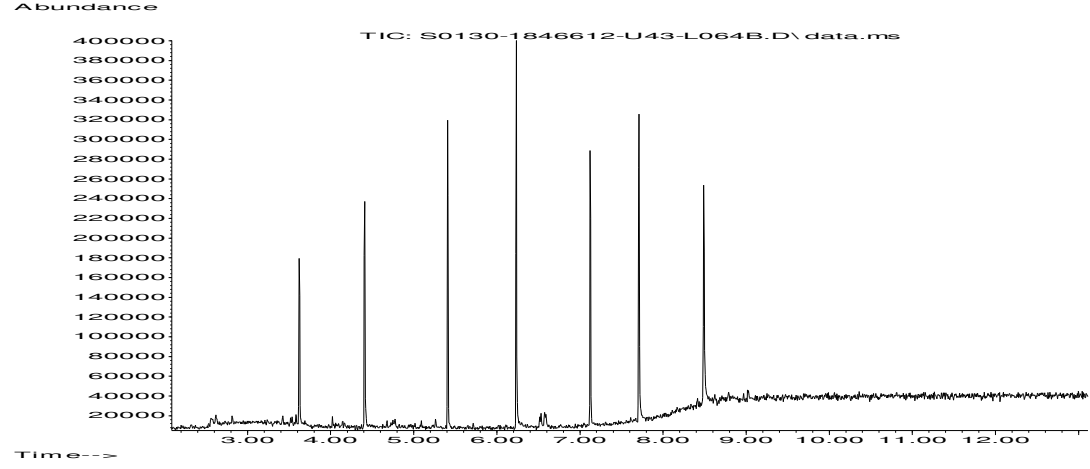


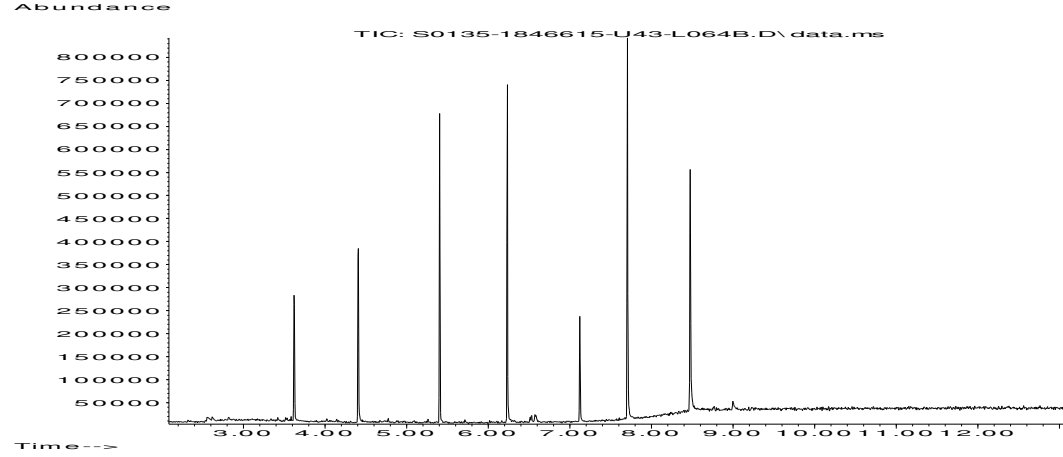
Abundance

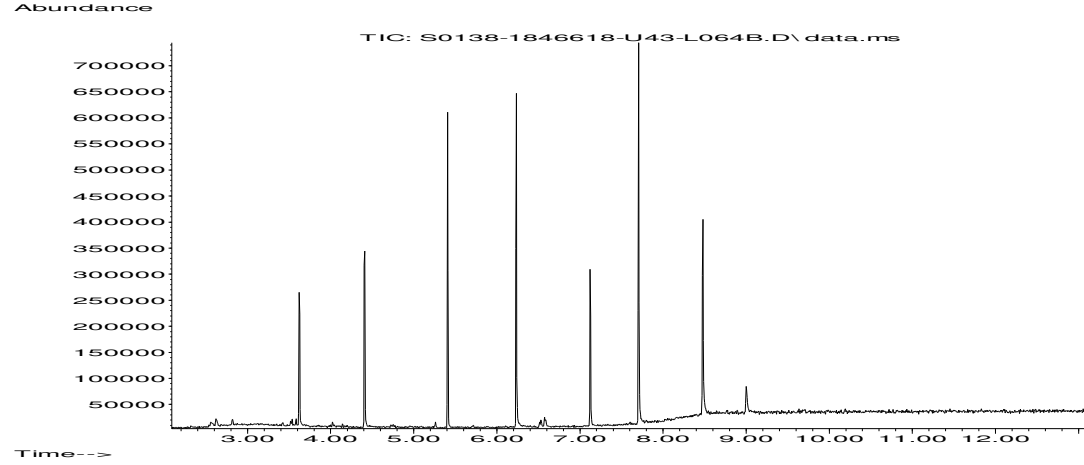
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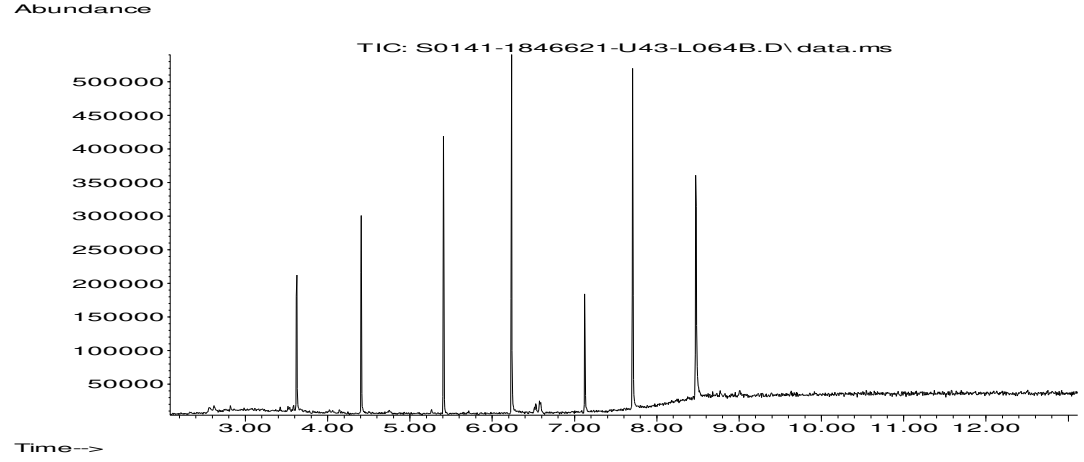


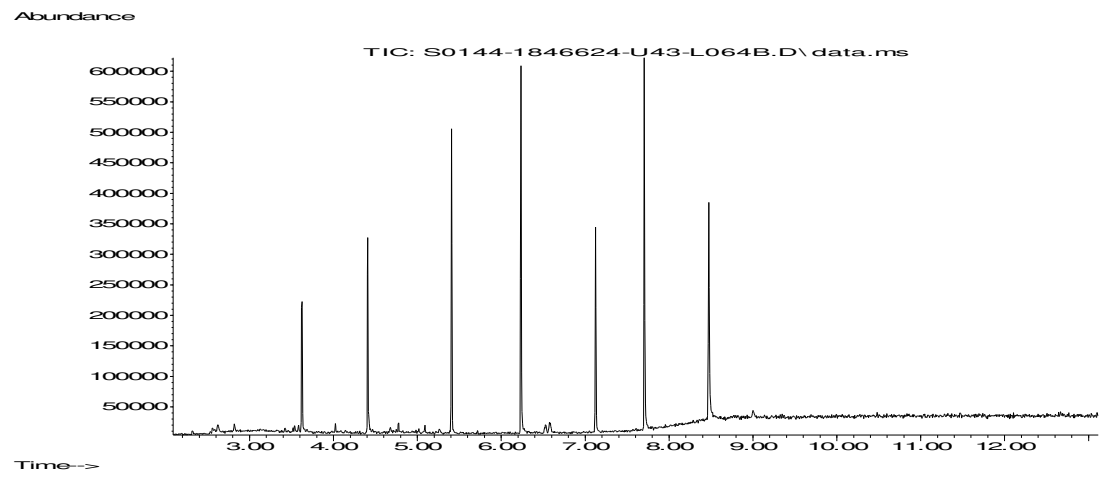
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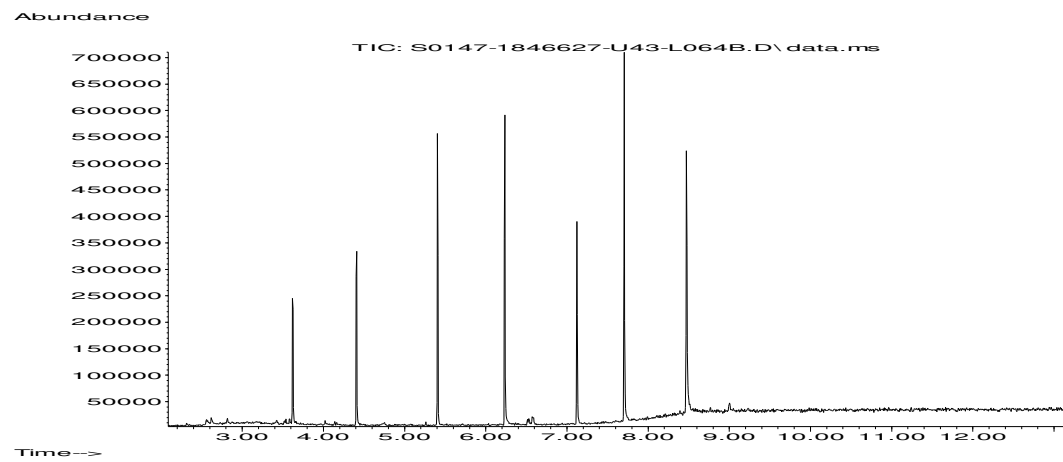






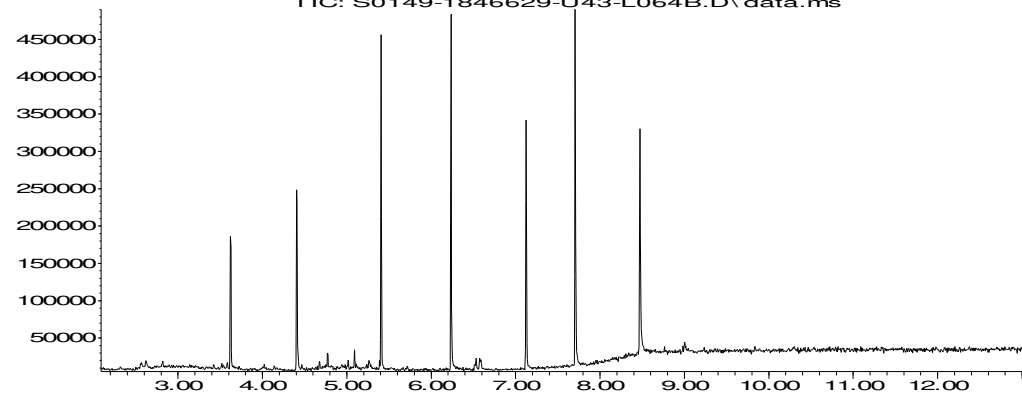






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Time-->



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Analytical Report Number : 21-70789

Project / Site name:	Kettering Gateway	Samples received on:	23/04/2021
Your job number:	C-14441-C	Samples instructed on/ Analysis started on:	23/04/2021
Your order number:	PO06401	Analysis completed by:	28/04/2021
Report Issue Number:	1	Report issued on:	28/04/2021
Samples Analysed:	13 soil samples		

Signed: *A. Czerwińska*

Agnieszka Czerwińska
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1848492	1848493	1848494	1848495	1848496			
Sample Reference	WS09	WS10	WS11	WS30	WS31			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.50	0.60	1.60	0.80			
Date Sampled	21/04/2021	21/04/2021	21/04/2021	22/04/2021	21/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	15	12	15	15
Total mass of sample received	kg	0.001	NONE	0.60	0.60	0.90	0.90	1.2

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.5	7.2	7.9	7.5	7.2
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0069	0.018	0.030	0.043	0.019
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	0.012	0.0023

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1848492				1848493				1848494				1848495				1848496			
Sample Reference	WS09				WS10				WS11				WS30				WS31			
Sample Number	None Supplied				None Supplied				None Supplied				None Supplied				None Supplied			
Depth (m)	0.20				0.50				0.60				1.60				0.80			
Date Sampled	21/04/2021				21/04/2021				21/04/2021				22/04/2021				21/04/2021			
Time Taken	None Supplied				None Supplied				None Supplied				None Supplied				None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status																	

Heavy Metals / Metalloids

Parameter	Units	Limit of detection	Accreditation Status	1848492	1848493	1848494	1848495	1848496
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	66	220	70	14	91
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	4.8	2.4	1.8	1.8	1.9
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	1.0	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	220	120	78	46	100
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	220	120	78	46	100
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	6.8	6.4	29	6.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	51	27	18	19	23
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	89	100	56	29	57
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	480	220	180	39	190
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	350	200	120	64	120

Monoaromatics & Oxygenates

Parameter	Units	Limit of detection	Accreditation Status	1848492	1848493	1848494	1848495	1848496
Benzene	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-

Petroleum Hydrocarbons

Parameter	Units	Limit of detection	Accreditation Status	1848492	1848493	1848494	1848495	1848496
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	< 10	-

Parameter	Units	Limit of detection	Accreditation Status	1848492	1848493	1848494	1848495	1848496
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	< 8.4	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-	< 10	< 10	-

TPH Total C5 - C44	mg/kg	10	NONE	-	-	< 10	< 10	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1848497	1848498	1848499	1848500	1848501			
Sample Reference	WS32	WS33	WS34	WS35	WS42			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.20	0.90	0.60	0.70			
Date Sampled	21/04/2021	21/04/2021	21/04/2021	21/04/2021	21/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	11	14	12	13
Total mass of sample received	kg	0.001	NONE	0.90	1.0	1.2	1.2	1.2

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.3	7.4	8.4	6.9	7.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0052	0.015	0.014	0.021	0.020
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0026	0.0030	< 0.0010	0.0023	< 0.0010

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1848497	1848498	1848499	1848500	1848501				
Sample Reference	WS32	WS33	WS34	WS35	WS42				
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Depth (m)	0.20	0.20	0.90	0.60	0.70				
Date Sampled	21/04/2021	21/04/2021	21/04/2021	21/04/2021	21/04/2021				
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status						
Heavy Metals / Metalloids									
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	78	63	220	85	66	
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.5	3.1	1.6	3.8	1.6	
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	0.4	< 0.2	< 0.2	< 0.2	
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	
Chromium (III)	mg/kg	1	NONE	89	150	85	170	74	
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	89	150	85	170	74	
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.9	10	7.7	7.4	7.9	
Lead (aqua regia extractable)	mg/kg	1	MCERTS	20	40	19	42	19	
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	46	62	70	70	61	
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	170	340	190	390	180	
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	190	150	230	180	

Monoaromatics & Oxygenates

Parameter	Units	Limit of detection	Accreditation Status					
Benzene	µg/kg	1	MCERTS	-	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	-
o-xylene	µg/kg	1	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	-

Petroleum Hydrocarbons

Parameter	Units	Limit of detection	Accreditation Status					
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-	-	-	-

Parameter	Units	Limit of detection	Accreditation Status					
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-	-	-	-

TPH Total C5 - C44	mg/kg	10	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: P006401

Lab Sample Number	1848502	1848503	1848504			
Sample Reference	WS46	WS52	WS60			
Sample Number	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.20	0.60			
Date Sampled	22/04/2021	19/04/2021	21/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	13	21
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.2

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.1	7.0	8.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.021	0.014	0.019
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	< 0.0010	0.0012	< 0.0010

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05

Total PAH

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

Analytical Report Number: 21-70789
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1848502	1848503	1848504			
Sample Reference	WS46	WS52	WS60			
Sample Number	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.20	0.60			
Date Sampled	22/04/2021	19/04/2021	21/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	64	55	69
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.2	1.5	1.4
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	0.2	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	77	73	110
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	77	73	110
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.7	9.6	5.9
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	20	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	58	36	49
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	170	160	240
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	100	130

Monoaromatics & Oxygenates

	µg/kg	1	MCERTS		< 1.0	< 1.0
Benzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	< 1.0

Petroleum Hydrocarbons

	mg/kg	0.001	MCERTS		< 0.001	< 0.001
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	< 10

	mg/kg	0.001	MCERTS		< 0.001	< 0.001
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	< 10

TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 21-70789

Project / Site name: Kettering Gateway

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1848492	WS09	None Supplied	0.2	Brown clay and sand with gravel.
1848493	WS10	None Supplied	0.5	Brown clay and sand with gravel.
1848494	WS11	None Supplied	0.6	Brown clay and sand with gravel.
1848495	WS30	None Supplied	1.6	Brown clay with gravel.
1848496	WS31	None Supplied	0.8	Brown clay and sand with gravel.
1848497	WS32	None Supplied	0.2	Brown clay and sand with gravel.
1848498	WS33	None Supplied	0.2	Brown clay and sand with gravel.
1848499	WS34	None Supplied	0.9	Brown clay and sand with gravel.
1848500	WS35	None Supplied	0.6	Brown clay and sand with gravel.
1848501	WS42	None Supplied	0.7	Brown clay and sand with gravel.
1848502	WS46	None Supplied	0.2	Brown clay and sand with gravel.
1848503	WS52	None Supplied	0.2	Brown clay and sand with gravel.
1848504	WS60	None Supplied	0.6	Brown clay and sand with gravel.

Analytical Report Number : 21-70789
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE



Analytical Report Number : 21-70789
 Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

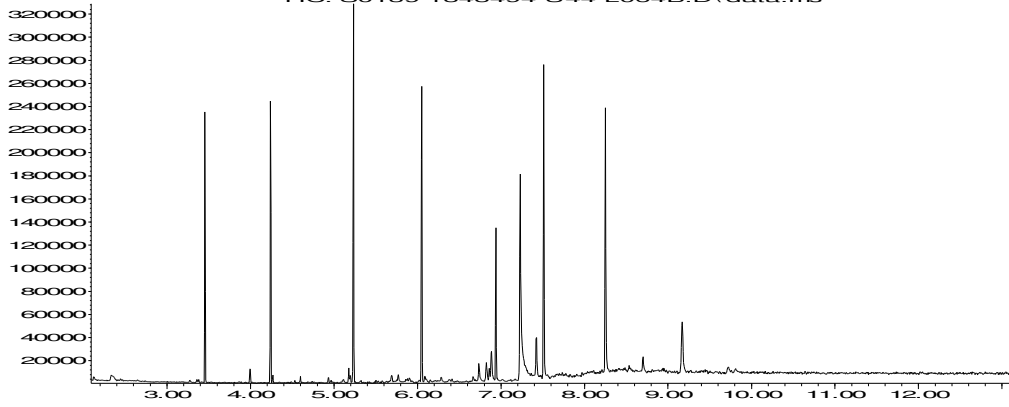
Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
 For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
 Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Abundance

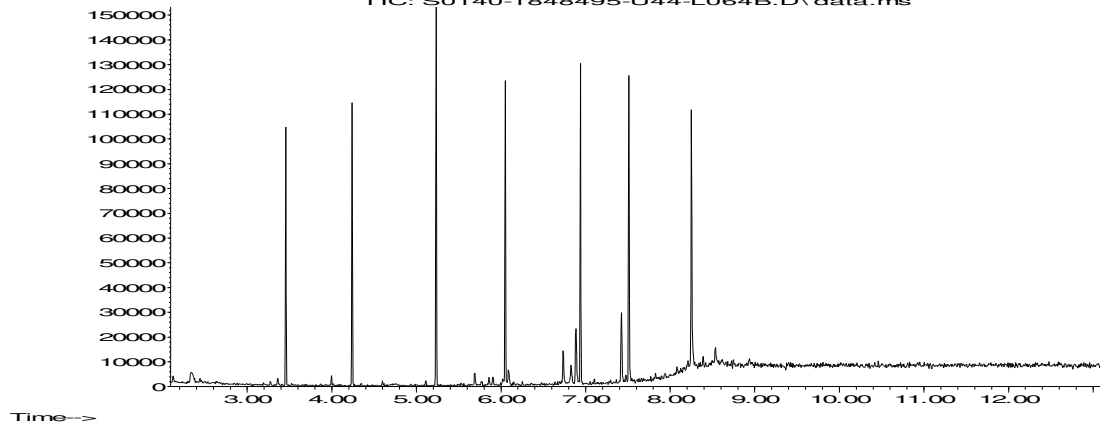
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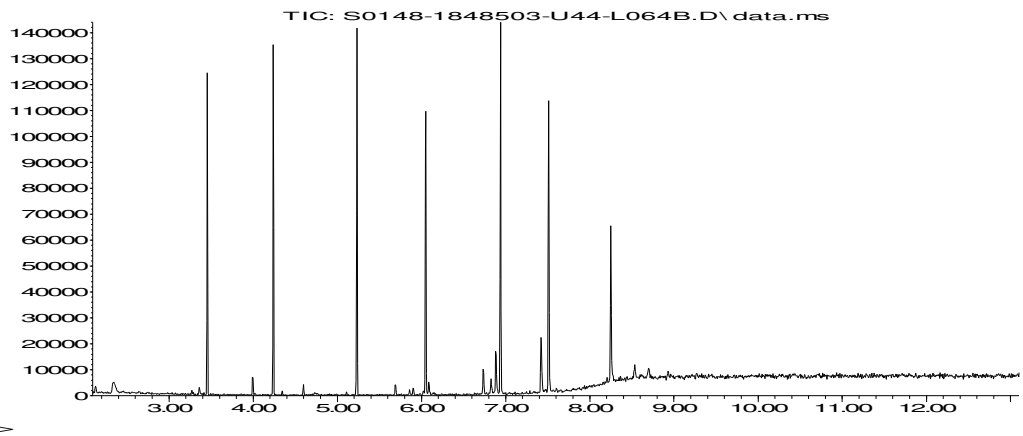
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Abundance

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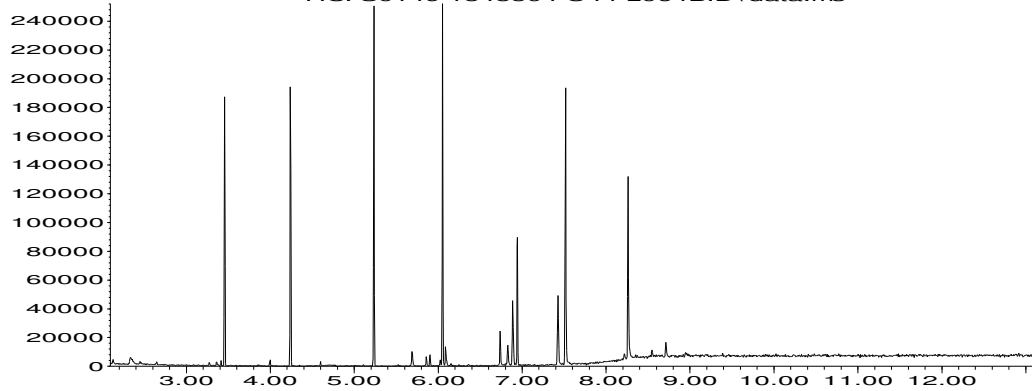
Abundance



Time-->

Abundance

TIC: S0149-1848504-U44-L064B.D\data.ms



Time-->



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Analytical Report Number : 21-71190

Project / Site name:	Kettering Gateway	Samples received on:	22/04/2021
Your job number:	C-14441-C	Samples instructed on/ Analysis started on:	27/04/2021
Your order number:	PO06401	Analysis completed by:	29/04/2021
Report Issue Number:	1	Report issued on:	29/04/2021
Samples Analysed:	11 soil samples		


Signed: _____

Rachel Bradley
Deputy Quality Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1850834	1850835	1850836	1850837	1850838			
Sample Reference	WS26	WS27	WS28	WS29	WS44			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.40	0.50	0.20	0.30			
Date Sampled	22/04/2021	22/04/2021	22/04/2021	22/04/2021	22/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	18	17	16	16
Total mass of sample received	kg	0.001	NONE	1.2	0.40	1.0	1.0	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	6.7	6.6	7.5	7.6
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.0036	0.0078	0.027	0.015	0.022
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0037	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	48	67	75	100	93
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.5	1.5	1.5	2.0	1.4
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9	0.3	0.4	0.4	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	110	86	93	91	100
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	110	86	94	92	100
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20	8.8	11	13	11
Lead (aqua regia extractable)	mg/kg	1	MCERTS	33	18	18	19	18
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	45	37	55	55	74
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	240	170	210	160	150
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	100	150	150	96

Monoaromatics & Oxygenates

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1850834	1850835	1850836	1850837	1850838			
Sample Reference	WS26	WS27	WS28	WS29	WS44			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.20	0.40	0.50	0.20	0.30			
Date Sampled	22/04/2021	22/04/2021	22/04/2021	22/04/2021	22/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Benzene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	6.5	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	8.3	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	< 8.4	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	20	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	20	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	< 10	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	< 10	-	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	-	< 8.4	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	< 10	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	< 10	-	< 10	-

TPH Total C5 - C44	mg/kg	10	NONE	-	< 10	-	20	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1850839	1850840	1850841	1850842	1850843			
Sample Reference	WS45	WS47	WS48	WS55	WS57			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.80	0.10	0.20	0.20	0.50			
Date Sampled	22/04/2021	22/04/2021	22/04/2021	22/04/2021	22/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	17	18	16	17
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.2	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.7	6.7	6.9	7.2	7.3
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble SO4 (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.015	0.020	0.021	0.0063	0.022
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0021	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	81	40	72	56	74
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.6	4.7	1.6	1.8	1.8
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	0.7	0.3	< 0.2	0.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	74	230	110	110	94
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	74	230	110	110	94
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	12	5.8	10	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	52	21	22	20
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	40	80	46	48	50
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	140	510	210	200	170
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	220	140	150	150

Monoaromatics & Oxygenates

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number	1850839	1850840	1850841	1850842	1850843			
Sample Reference	WS45	WS47	WS48	WS55	WS57			
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Depth (m)	0.80	0.10	0.20	0.20	0.50			
Date Sampled	22/04/2021	22/04/2021	22/04/2021	22/04/2021	22/04/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Benzene	µg/kg	1	MCERTS	-	-	-	-	< 1.0
Toluene	µg/kg	1	MCERTS	-	-	-	-	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-	< 1.0
p & m-xylene	µg/kg	1	MCERTS	-	-	-	-	< 1.0
o-xylene	µg/kg	1	MCERTS	-	-	-	-	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-	-	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	-	-	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	-	-	-	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-	-	-	-	< 10

TPH Total C5 - C44	mg/kg	10	NONE	-	-	-	-	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: PO06401

Lab Sample Number				1850844
Sample Reference				WS58
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				22/04/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	15
Total mass of sample received	kg	0.001	NONE	1.2

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.7
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.020
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0031

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	57
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.8
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2
Chromium (III)	mg/kg	1	NONE	120
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	120
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	280
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130

Monoaromatics & Oxygenates

Analytical Report Number: 21-71190
 Project / Site name: Kettering Gateway
 Your Order No: P006401

Lab Sample Number				1850844
Sample Reference				WS58
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				22/04/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Benzene	µg/kg	1	MCERTS	-
Toluene	µg/kg	1	MCERTS	-
Ethylbenzene	µg/kg	1	MCERTS	-
p & m-xylene	µg/kg	1	MCERTS	-
o-xylene	µg/kg	1	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	-

TPH Total C5 - C44	mg/kg	10	NONE	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-71190
Project / Site name: Kettering Gateway

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1850834	WS26	None Supplied	0.2	Brown clay and sand with gravel.
1850835	WS27	None Supplied	0.4	Brown clay and sand with gravel.
1850836	WS28	None Supplied	0.5	Brown clay and sand with gravel.
1850837	WS29	None Supplied	0.2	Brown clay and sand with gravel.
1850838	WS44	None Supplied	0.3	Brown clay and sand with gravel.
1850839	WS45	None Supplied	0.8	Brown clay and loam with gravel.
1850840	WS47	None Supplied	0.1	Brown clay and loam with gravel.
1850841	WS48	None Supplied	0.2	Brown clay and loam with gravel.
1850842	WS55	None Supplied	0.2	Brown clay and loam with gravel.
1850843	WS57	None Supplied	0.5	Brown clay and loam with gravel.
1850844	WS58	None Supplied	0.2	Brown clay and loam with gravel.

Analytical Report Number : 21-71190
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE

Analytical Report Number : 21-71190
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

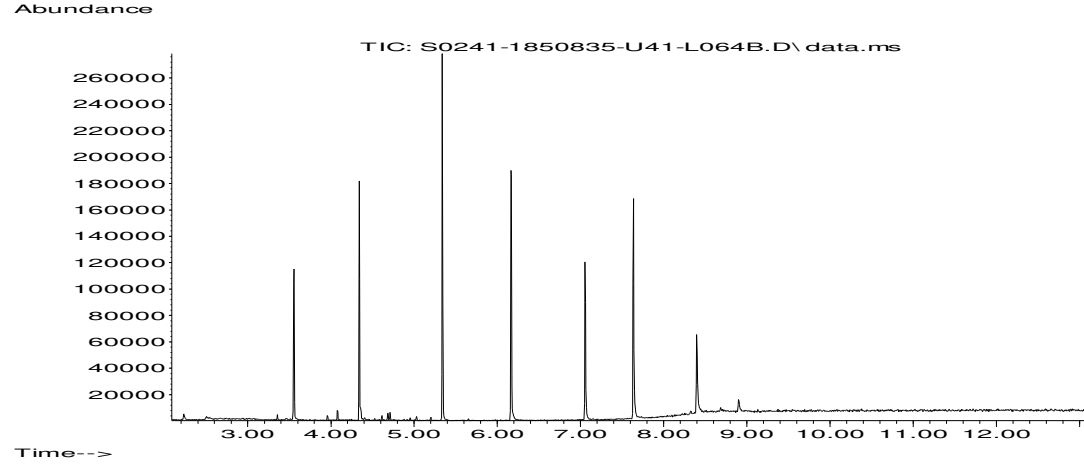
Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (1hr extraction)	Sulphate, water soluble, in soil (1hr extraction)	In-house method	L038-PL	D	MCERTS

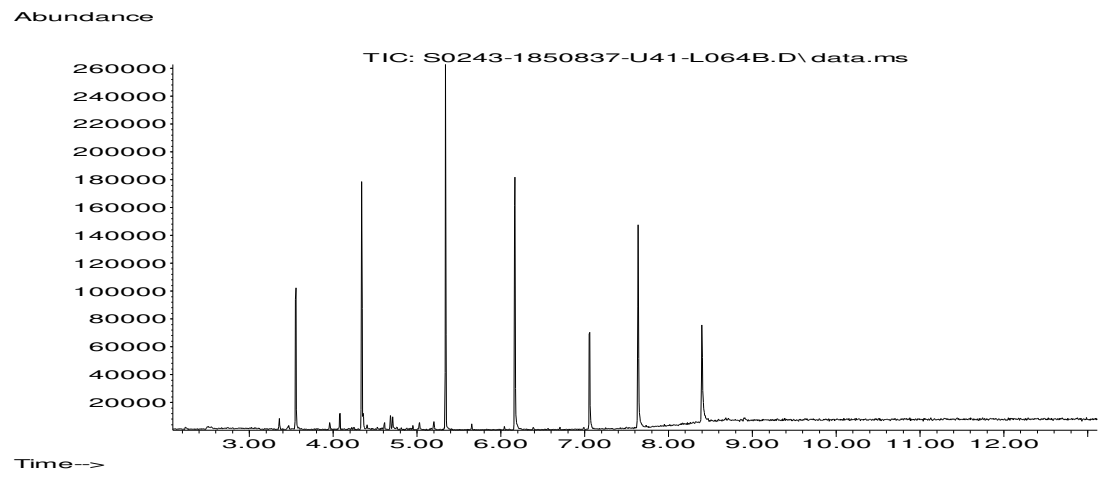
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

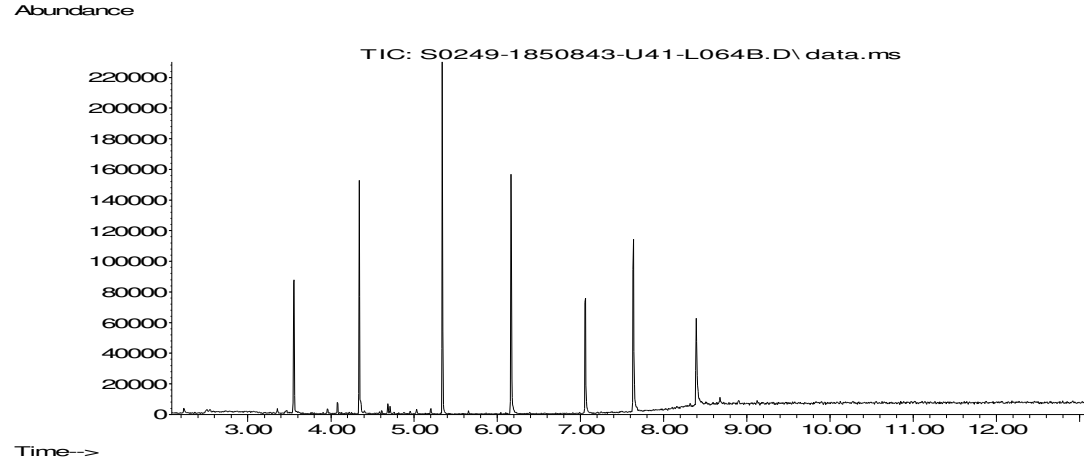
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.







Statistical Analysis

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated									Soil Type	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	
									Location & Depth	WS01	WS02	WS03	WS04	WS15	WS16	WS17	WS18	WS19	WS20	WS21	WS22	WS38		
										0.50	0.60	1.40	0.20	0.30	0.50	0.10	0.40	0.60	0.20	0.20	0.20	0.20	0.70	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test																
Arsenic	1	13	15	140	0	640	96.44842	POTENTIALLY SUITABLE FOR USE	98	51	86	44	76	64	54	130	140	120	15	41	93			
Beryllium	0.06	13	2.2	8.5	0	390	5.258688	POTENTIALLY SUITABLE FOR USE	2.2	2.8	5.1	3.5	5.9	4.6	3.1	3.6	6.3	8.5	5.7	2.6	2.3			
Boron	0.2	13	0.2	0.9	0	190000	0.684054	POTENTIALLY SUITABLE FOR USE	0.4	0.6	0.9	0.2	0.6	0.9	0.7	0.5	0.5	0.7	0.2	0.8	0.4			
Cadmium	0.2	13	0.2	0.2	0	220	0.2	POTENTIALLY SUITABLE FOR USE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
Chromium (III)	1	13	85	340	0	8400	215.1636	POTENTIALLY SUITABLE FOR USE	98	140	180	180	200	180	140	230	230	240	340	85	100			
Chromium (VI)	1.2	13	1.2	1.2	0	33	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
Copper	1	13	8.9	23	0	69000	14.98116	POTENTIALLY SUITABLE FOR USE	9.9	17	15	11	13	14	23	10	12	8.9	9.4	13	14			
Lead	2	13	21	61	0	2330	47.94606	POTENTIALLY SUITABLE FOR USE	24	38	38	38	47	44	44	61	49	55	57	27	21			
Mercury, inorganic	0.3	13	0.3	0.3	0	3600	0.3	POTENTIALLY SUITABLE FOR USE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Nickel	2	13	36	120	0	1700	89.34868	POTENTIALLY SUITABLE FOR USE	120	52	78	56	79	66	63	97	100	93	100	36	70			
Selenium	1	13	1	1	0	13000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1			
Vanadium	1	13	190	650	0	9000	457.1206	POTENTIALLY SUITABLE FOR USE	200	290	400	380	440	420	310	500	530	510	650	190	210			
Zinc	2	13	130	370	0	670000	271.0258	POTENTIALLY SUITABLE FOR USE	220	170	230	210	260	220	200	230	320	370	350	130	130			
Cyanide (free)	1	13	1	1	0	16000	1	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1			
Phenol (total)	2	13	1	2	0	760	1.214	POTENTIALLY SUITABLE FOR USE	2	1	1	1	1	1	1	1	1	1	1	1	1			
Acenaphthene	0.05	13	0.05	0.05	0	84000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Acenaphthylene	0.05	13	0.05	0.05	0	83000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Anthracene	0.05	13	0.05	0.05	0	520000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benz(a)anthracene	0.05	13	0.05	0.05	0	86	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(a)pyrene	0.05	13	0.05	0.05	0	14	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(b)fluoranthene	0.05	13	0.05	0.05	0	97	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(ghi)perylene	0.05	13	0.05	0.05	0	630	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(k)fluoranthene	0.05	13	0.05	0.05	0	140	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Chrysene	0.05	13	0.05	0.05	0	140	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Dibenz(a,h)anthracene	0.05	13	0.05	0.05	0	12	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Fluoranthene	0.05	13	0.05	0.05	0	23000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Fluorene	0.05	13	0.05	0.05	0	63000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Indeno(1,2,3-cd)pyrene	0.05	13	0.05	0.05	0	58	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Naphthalene	0.05	13	0.05	0.05	0	190	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Phenanthrene	0.05	13	0.05	0.05	0	22000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Pyrene	0.05	13	0.05	0.05	0	54000	0.05	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Asbestos identified	Y/N								N	N	N	N	N	N	N	N	N	N	N	N	N			
FOC (dimensionless)	0.003554	(mean)							0.001	0.0099	0.0021	0.0028	0.0021	0.0035	0.0053	0.0011	0.0079	0.0012	0.001	0.0073	0.001			
SOM (calculated)	0.61%	(mean)							0.17%	1.71%	0.36%	0.48%	0.36%	0.60%	0.91%	0.19%	1.36%	0.21%	0.17%	1.26%	0.17%			
pH (su)	7.1	(mean)							7.4	7.3	7.5	7.4	7.3	6.9	7.1	6.6	7.1	7.1	6	7.5	7.4			

Risk parameter: Human health - commercial (1%SOM)

Data set: Made Ground

Client: SEGRO plc

Site: Kettering East - Plot 4b

Job no.: C-14441-C

Lab. report no(s): 21-70464-1

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC). MG denotes Made Ground

Assessment of Chemicals of Potential Concern to Human Health



Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Soil Type												
							Location & Depth												
							MG WS01	MG WS04	MG WS16	MG WS18	MG WS21								
All values in mg/kg unless otherwise stated							0.50	0.20	0.50	0.40	0.20								
Aliphatics EC5-EC6	0.01	5	0.001	0.001	0	300	0.001	0.001	0.001	0.001	0.001								
Aliphatics >EC6-EC8	0.01	5	0.001	0.001	0	140	0.001	0.001	0.001	0.001	0.001								
Aliphatics >EC8-EC10	0.01	5	0.001	0.001	0	78	0.001	0.001	0.001	0.001	0.001								
Aliphatics >EC10-EC12	0.01	5	1	2.9	0	48	1.8	2.9	1	1	1								
Aliphatics >EC12-EC16	0.1	5	2	3.2	0	24	3.2	2	2	2	2								
Aliphatics >EC16-EC35	0.1	0	0	0	0	1000000													
Aliphatics >EC35-EC44	0.1	5	8.4	8.4	0	1000000	8.4	8.4	8.4	8.4	8.4								
Aromatics EC5-EC7	0.01	5	0.001	0.001	0	1200	0.001	0.001	0.001	0.001	0.001								
Aromatics >EC7-EC8	0.01	5	0.001	0.001	0	870	0.001	0.001	0.001	0.001	0.001								
Aromatics >EC8-EC10	0.01	5	0.001	0.001	0	610	0.001	0.001	0.001	0.001	0.001								
Aromatics >EC10-EC12	0.01	5	1	1	0	360	1	1	1	1	1								
Aromatics >EC12-EC16	0.1	5	2	2	0	36000	2	2	2	2	2								
Aromatics >EC16-EC21	0.1	5	10	10	0	28000	10	10	10	10	10								
Aromatics >EC21-EC35	0.1	5	10	10	0	28000	10	10	10	10	10								
Aromatics >EC35-EC44	0.1	5	8.4	8.4	0	28000	8.4	8.4	8.4	8.4	8.4								
ADDITIVITY CHECK HAZARD QUOTIENTS FOR EACH FRACTION																			
Aliphatics EC5-EC6							0.000	0.000	0.000	0.000	0.000								
Aliphatics >EC6-EC8							0.000	0.000	0.000	0.000	0.000								
Aliphatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000								
Considered additive Aliphatics >EC10-EC12							0.038	0.060	0.021	0.021	0.021								
Aliphatics >EC12-EC16							0.133	0.083	0.083	0.083	0.083								
Aliphatics >EC16-EC35																			
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000								
Aromatics EC5-EC7							0.000	0.000	0.000	0.000	0.000								
Aromatics >EC7-EC8							0.000	0.000	0.000	0.000	0.000								
Aromatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000								
Considered additive Aromatics >EC10-EC12							0.003	0.003	0.003	0.003	0.003								
Aromatics >EC12-EC16							0.000	0.000	0.000	0.000	0.000								
Aromatics >EC16-EC21							0.000	0.000	0.000	0.000	0.000								
Considered additive Aromatics >EC21-EC35							0.000	0.000	0.000	0.000	0.000								
Aromatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000								
Hazard Index for ali>C8-C16							0.171	0.144	0.104	0.104	0.104								
Hazard Index for aro>C8-C16							0.003	0.003	0.003	0.003	0.003								
Hazard Index for aro>C16-C35							0.001	0.001	0.001	0.001	0.001								
Risk parameter: Human health - commercial (1%SOM)							Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.												
Data set: Made Ground							Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.												
Client: SEGRO plc							Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).												
Site: Kettering East - Plot 4b							MG denotes Made Ground.												
Job no.: C-14441-C																			
Lab. report no(s): 21-70464-1																			

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated									Soil Type	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	Location & Depth	WS05	WS06	WS07	WS08	WS09	WS10	WS11	WS12	WS13	WS14	WS23	WS24	WS25	WS26	WS27		
										0.60	0.70	0.40	0.60	0.20	0.50	0.60	0.40	1.30	0.50	0.20	0.80	0.30	0.20	0.40		
Arsenic	1	47	14	220	0	640	81.56775	POTENTIALLY SUITABLE FOR USE	63	32	54	40	66	220	70	62	68	50	35	46	56	48	67			
Beryllium	0.06	47	1.2	6.6	0	390	2.752493	POTENTIALLY SUITABLE FOR USE	4.7	2.8	2.2	2.5	4.8	2.4	1.8	4.3	2.1	2.5	3.4	6.6	4.7	2.5	1.5			
Boron	0.2	47	0.2	1.6	0	190000	0.52713	POTENTIALLY SUITABLE FOR USE	0.2	0.4	0.3	0.8	0.2	0.2	0.2	0.5	0.2	0.6	0.3	0.2	0.9	0.3	0.3			
Cadmium	0.2	47	0.2	0.20001	0	220	0.200001	POTENTIALLY SUITABLE FOR USE	0.2	0.2	0.2	0.2	0.20001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
Chromium (III)	1	47	44	360	0	8400	136.3554	POTENTIALLY SUITABLE FOR USE	170	190	97	120	220	120	78	240	100	150	150	360	240	110	86			
Chromium (VI)	1.2	47	1.2	1.2	0	33	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
Copper	1	47	1	29	0	69000	12.57414	POTENTIALLY SUITABLE FOR USE	12	6.6	9.2	15	18	6.8	6.4	20	4.3	9.3	19	12	16	20	8.8			
Lead	2	47	15	58	0	2330	31.19368	POTENTIALLY SUITABLE FOR USE	40	36	29	31	51	27	18	51	22	30	35	58	49	33	18			
Mercury, inorganic	0.3	47	0.3	0.3001	0	3600	0.300006	POTENTIALLY SUITABLE FOR USE	0.3	0.3	0.3	0.3	0.3001	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Nickel	2	47	29	100	0	1700	61.26393	POTENTIALLY SUITABLE FOR USE	68	52	58	51	89	100	56	84	66	88	63	96	74	45	37			
Selenium	1	47	1	1.001	0	13000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1.001	1	1	1	1	1	1	1	1	1	1			
Vanadium	1	47	39	720	0	9000	283.4498	POTENTIALLY SUITABLE FOR USE	370	380	180	260	480	220	180	510	200	300	300	720	500	240	170			
Zinc	2	47	64	350	0	670000	184.7828	POTENTIALLY SUITABLE FOR USE	230	210	240	220	350	200	120	310	160	190	200	350	290	150	100			
Cyanide (free)	1	47	1	1.001	0	16000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1.001	1	1	1	1	1	1	1	1	1	1			
Phenol (total)	2	47	1	1.001	0	760	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1.001	1	1	1	1	1	1	1	1	1	1			
Acenaphthene	0.05	47	0.05	0.05001	0	84000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Acenaphthylene	0.05	47	0.05	0.05001	0	83000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Anthracene	0.05	47	0.05	0.05001	0	520000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benz(a)anthracene	0.05	47	0.05	0.05001	0	86	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(a)pyrene	0.05	47	0.05	0.05001	0	14	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(b)fluoranthene	0.05	47	0.05	0.05001	0	97	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(ghi)perylene	0.05	47	0.05	0.05001	0	630	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(k)fluoranthene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Chrysene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Dibenz(a,h)anthracene	0.05	47	0.05	0.05001	0	12	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Fluoranthene	0.05	47	0.05	0.05001	0	23000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Fluorene	0.05	47	0.05	0.05001	0	63000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Indeno(1,2,3-cd)pyrene	0.05	47	0.05	0.05001	0	58	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Naphthalene	0.05	47	0.05	0.05001	0	190	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Phenanthrene	0.05	47	0.05	0.05001	0	22000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Pyrene	0.05	47	0.05	0.05001	0	54000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Asbestos identified	Y/N								N	N	N	N	N	N	N	N	N	N	N	N	N	N	N			
FOC (dimensionless)	0.002621	(mean)							0.0011	0.001	0.0073	0.0045	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.0022	0.0018	0.0037	0.001			
SOM (calculated)	0.45%	(mean)							0.19%	0.17%	1.26%	0.78%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.52%	0.38%	0.31%	0.64%	0.17%			
pH (su)	7.2	(mean)							7.4	7.2	7.2	6.4	7.5	7.2	7.9	6.5	7.4	7.2	6.7	6.8	7.3	7.2	6.7			

Risk parameter: Human health - commercial (1%SOM)

Data set: Natural Strata

Client: SEGRO plc

Site: Kettering East - Plot 4b

Job no.: C-14441-C

Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.

Values in red are equal to, or greater than, the generic assessment criterion (GAC).

NSF denotes Northampton Sand Formation

WMF denotes Whitby Mudstone Formation

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated									Soil Type	NSF	NSF	WMF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF
									Location & Depth	WS28	WS29	WS30	WS31	WS32	WS33	WS34	WS35	WS36	WS37	WS39	WS40	WS41	WS42	WS43			
										0.50	0.20	1.60	0.80	0.20	0.20	0.90	0.60	0.40	0.70	0.30	0.20	0.70	0.70	0.80			
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test																			
Arsenic	1	47	14	220	0	640	81.56775	POTENTIALLY SUITABLE FOR USE	75	100	14	91	78	63	220	85	46	82	55	86	41	66	130				
Beryllium	0.06	47	1.2	6.6	0	390	2.752493	POTENTIALLY SUITABLE FOR USE	1.5	2	1.8	1.9	1.5	3.1	1.6	3.8	3.2	1.8	2	3.6	2.6	1.6	1.6				
Boron	0.2	47	0.2	1.6	0	190000	0.52713	POTENTIALLY SUITABLE FOR USE	0.4	0.4	1	0.5	0.2	0.4	0.2	0.2	0.5	0.4	0.5	0.5	0.5	0.2	0.6				
Cadmium	0.2	47	0.2	0.20001	0	220	0.200001	POTENTIALLY SUITABLE FOR USE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Chromium (III)	1	47	44	360	0	8400	136.3554	POTENTIALLY SUITABLE FOR USE	93	91	46	100	89	150	85	170	100	87	82	180	100	74	100				
Chromium (VI)	1.2	47	1.2	1.2	0	33	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	47	1	29	0	69000	12.57414	POTENTIALLY SUITABLE FOR USE	11	13	29	6.6	9.9	10	7.7	7.4	23	1	4.3	12	20	7.9	11				
Lead	2	47	15	58	0	2330	31.19368	POTENTIALLY SUITABLE FOR USE	18	19	19	23	20	40	19	42	37	20	19	46	34	19	21				
Mercury, inorganic	0.3	47	0.3	0.3001	0	3600	0.300006	POTENTIALLY SUITABLE FOR USE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Nickel	2	47	29	100	0	1700	61.26393	POTENTIALLY SUITABLE FOR USE	55	55	29	57	46	62	70	42	51	47	79	46	61	47					
Selenium	1	47	1	1.001	0	13000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vanadium	1	47	39	720	0	9000	283.4498	POTENTIALLY SUITABLE FOR USE	210	160	39	190	170	340	190	390	250	160	200	380	220	180	160				
Zinc	2	47	64	350	0	670000	184.7828	POTENTIALLY SUITABLE FOR USE	150	150	64	120	120	190	150	230	170	130	140	220	150	180	150				
Cyanide (free)	1	47	1	1.001	0	16000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	47	1	1.001	0	760	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	47	0.05	0.05001	0	84000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Acenaphthylene	0.05	47	0.05	0.05001	0	83000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Anthracene	0.05	47	0.05	0.05001	0	520000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benz(a)anthracene	0.05	47	0.05	0.05001	0	86	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(a)pyrene	0.05	47	0.05	0.05001	0	14	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(b)fluoranthene	0.05	47	0.05	0.05001	0	97	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(ghi)perylene	0.05	47	0.05	0.05001	0	630	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(k)fluoranthene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Chrysene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Dibenz(a,h)anthracene	0.05	47	0.05	0.05001	0	12	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Fluoranthene	0.05	47	0.05	0.05001	0	23000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Fluorene	0.05	47	0.05	0.05001	0	63000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Indeno(1,2,3-cd)pyrene	0.05	47	0.05	0.05001	0	58	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Naphthalene	0.05	47	0.05	0.05001	0	190	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Phenanthrene	0.05	47	0.05	0.05001	0	22000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Pyrene	0.05	47	0.05	0.05001	0	54000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Asbestos identified	Y/N								N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
FOC (dimensionless)	0.002621	(mean)							0.001	0.001	0.012	0.0023	0.0026	0.003	0.001	0.0023	0.0099	0.001	0.001	0.0028	0.0086	0.001	0.001				
SOM (calculated)	0.45%	(mean)							0.17%	0.17%	2.07%	0.40%	0.45%	0.52%	0.17%	0.40%	1.71%	0.17%	0.17%	0.48%	1.48%	0.17%	0.17%				
pH (su)	7.2	(mean)							6.6	7.5	7.5	7.2	7.3	7.4	8.4	6.9	7.5	7.4	7.5	7.4	7.8	7	7.2				

Risk parameter: Human health - commercial (1%SOM)

Data set: Natural Strata

Client: SEGRO plc

Site: Kettering East - Plot 4b

Job no.: C-14441-C

Lab. report no(s).: 27-70789-1, 21-71190-1 & 21-70464-1

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated									Soil Type	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF
									Location & Depth	WS44	WS45	WS46	WS47	WS48	WS49	WS50	WS51	WS52	WS53	WS54	WS55	WS56	WS57	WS58		
										0.30	0.80	0.20	0.10	0.20	0.80	0.90	0.10	0.20	0.60	0.20	0.20	1.70	0.50	0.20		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test																		
Arsenic	1	47	14	220	0	640	81.56775	POTENTIALLY SUITABLE FOR USE	93	81	64	40	72	87	46	81	55	71	82	56	110	74	57			
Beryllium	0.06	47	1.2	6.6	0	390	2.752493	POTENTIALLY SUITABLE FOR USE	1.4	1.6	1.2	4.7	1.6	1.4	1.7	1.2	1.5	2.1	1.9	1.8	2.1	1.8	2.1	1.8	2.8	
Boron	0.2	47	0.2	1.6	0	190000	0.52713	POTENTIALLY SUITABLE FOR USE	0.2	1.4	0.2	0.7	0.3	0.4	0.4	1.6	0.2	0.2	0.5	0.2	0.3	0.4	0.9			
Cadmium	0.2	47	0.2	0.20001	0	220	0.200001	POTENTIALLY SUITABLE FOR USE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Chromium (III)	1	47	44	360	0	8400	136.3554	POTENTIALLY SUITABLE FOR USE	100	74	77	230	110	100	97	44	73	87	90	110	93	94	120			
Chromium (VI)	1.2	47	1.2	1.2	0	33	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	47	1	29	0	69000	12.57414	POTENTIALLY SUITABLE FOR USE	11	11	5.7	12	5.8	11	8.9	16	9.6	8.5	7.4	10	8.8	13	12			
Lead	2	47	15	58	0	2330	31.19368	POTENTIALLY SUITABLE FOR USE	18	17	17	52	21	19	21	15	20	24	27	22	21	20	31			
Mercury, inorganic	0.3	47	0.3	0.3001	0	3600	0.300006	POTENTIALLY SUITABLE FOR USE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Nickel	2	47	29	100	0	1700	61.26393	POTENTIALLY SUITABLE FOR USE	74	40	58	80	46	34	40	33	36	48	44	48	59	50	44			
Selenium	1	47	1	1.001	0	13000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vanadium	1	47	39	720	0	9000	283.4498	POTENTIALLY SUITABLE FOR USE	150	140	170	510	210	150	220	77	160	200	190	200	200	170	280			
Zinc	2	47	64	350	0	670000	184.7828	POTENTIALLY SUITABLE FOR USE	96	110	120	220	140	97	120	120	100	97	190	150	140	150	130			
Cyanide (free)	1	47	1	1.001	0	16000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	47	1	1.001	0	760	1.000057	POTENTIALLY SUITABLE FOR USE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	47	0.05	0.05001	0	84000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Acenaphthylene	0.05	47	0.05	0.05001	0	83000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Anthracene	0.05	47	0.05	0.05001	0	520000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benz(a)anthracene	0.05	47	0.05	0.05001	0	86	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(a)pyrene	0.05	47	0.05	0.05001	0	14	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(b)fluoranthene	0.05	47	0.05	0.05001	0	97	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(ghi)perylene	0.05	47	0.05	0.05001	0	630	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(k)fluoranthene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Chrysene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Dibenz(a,h)anthracene	0.05	47	0.05	0.05001	0	12	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Fluoranthene	0.05	47	0.05	0.05001	0	23000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Fluorene	0.05	47	0.05	0.05001	0	63000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Indeno(1,2,3-cd)pyrene	0.05	47	0.05	0.05001	0	58	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Naphthalene	0.05	47	0.05	0.05001	0	190	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Phenanthrene	0.05	47	0.05	0.05001	0	22000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Pyrene	0.05	47	0.05	0.05001	0	54000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Asbestos identified	Y/N								N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
FOC (dimensionless)	0.002621	(mean)							0.001	0.0021	0.001	0.001	0.001	0.001	0.001	0.019	0.0012	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0031	
SOM (calculated)	0.45%	(mean)							0.17%	0.36%	0.17%	0.17%	0.17%	0.17%	0.17%	3.28%	0.21%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.53%	
pH (su)	7.2	(mean)							7.6	7.7	7.1	6.7	6.9	6.9	6.8	7.3	7	7.3	7	7.2	6.6	7.3	7.7			

Risk parameter: Human health - commercial (1%SOM)
Data set: Natural Strata
Client: SEGRO plc
Site: Kettering East - Plot 4b
Job no.: C-14441-C
Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated								Soil Type	NSF	NSF
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Location & Depth	WS59	WS60
								Result of Significance Test	0.20	0.60
Arsenic	1	47	14	220	0	640	81.56775	POTENTIALLY SUITABLE FOR USE	50	69
Beryllium	0.06	47	1.2	6.6	0	390	2.752493	POTENTIALLY SUITABLE FOR USE	3.1	1.4
Boron	0.2	47	0.2	1.6	0	190000	0.52713	POTENTIALLY SUITABLE FOR USE	0.8	0.2
Cadmium	0.2	47	0.2	0.20001	0	220	0.200001	POTENTIALLY SUITABLE FOR USE	0.2	0.2
Chromium (III)	1	47	44	360	0	8400	136.3554	POTENTIALLY SUITABLE FOR USE	140	110
Chromium (VI)	1.2	47	1.2	1.2	0	33	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2
Copper	1	47	1	29	0	69000	12.57414	POTENTIALLY SUITABLE FOR USE	15	5.9
Lead	2	47	15	58	0	2330	31.19368	POTENTIALLY SUITABLE FOR USE	42	22
Mercury, inorganic	0.3	47	0.3	0.3001	0	3600	0.300006	POTENTIALLY SUITABLE FOR USE	0.3	0.3
Nickel	2	47	29	100	0	1700	61.26393	POTENTIALLY SUITABLE FOR USE	57	49
Selenium	1	47	1	1.001	0	13000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1
Vanadium	1	47	39	720	0	9000	283.4498	POTENTIALLY SUITABLE FOR USE	320	240
Zinc	2	47	64	350	0	670000	184.7828	POTENTIALLY SUITABLE FOR USE	200	130
Cyanide (free)	1	47	1	1.001	0	16000	1.000057	POTENTIALLY SUITABLE FOR USE	1	1
Phenol (total)	2	47	1	1.001	0	760	1.000057	POTENTIALLY SUITABLE FOR USE	1	1
Acenaphthene	0.05	47	0.05	0.05001	0	84000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Acenaphthylene	0.05	47	0.05	0.05001	0	83000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Anthracene	0.05	47	0.05	0.05001	0	520000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Benz(a)anthracene	0.05	47	0.05	0.05001	0	86	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Benzo(a)pyrene	0.05	47	0.05	0.05001	0	14	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Benzo(b)fluoranthene	0.05	47	0.05	0.05001	0	97	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Benzo(ghi)perylene	0.05	47	0.05	0.05001	0	630	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Benzo(k)fluoranthene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Chrysene	0.05	47	0.05	0.05001	0	140	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Dibenz(a,h)anthracene	0.05	47	0.05	0.05001	0	12	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Fluoranthene	0.05	47	0.05	0.05001	0	23000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Fluorene	0.05	47	0.05	0.05001	0	63000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Indeno(1,2,3-cd)pyrene	0.05	47	0.05	0.05001	0	58	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Naphthalene	0.05	47	0.05	0.05001	0	190	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Phenanthrene	0.05	47	0.05	0.05001	0	22000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Pyrene	0.05	47	0.05	0.05001	0	54000	0.050001	POTENTIALLY SUITABLE FOR USE	0.05	0.05
Asbestos identified	Y/N								N	N
FOC (dimensionless)	0.002621	(mean)							0.0037	0.001
SOM (calculated)	0.45%	(mean)							0.64%	0.17%
pH (su)	7.2	(mean)							7.4	8

Risk parameter: Human health - commercial (1%SOM)
Data set: Natural Strata
Client: SEGRO plc
Site: Kettering East - Plot 4b
Job no.: C-14441-C
Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated								Soil Type	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF									
								Location & Depth	WS07	WS11	WS13	WS14	WS27	WS29	WS30	WS36	WS39	WS41	WS49	WS52	WS53	WS57	WS60									
								Result of Significance Test	0.40	0.60	1.30	0.50	0.40	0.20	1.60	0.40	0.30	0.70	0.80	0.20	0.60	0.50	0.60									
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅																									
Aliphatics EC5-EC6	0.01	15	0.001	0.00101	0	300	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aliphatics >EC6-EC8	0.01	15	0.001	0.00101	0	140	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aliphatics >EC8-EC10	0.01	15	0.001	0.00101	0	78	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aliphatics >EC10-EC12	0.01	15	1	6.5	0	48	2.981523	POTENTIALLY SUITABLE FOR USE	1	1.001	1	1	1	6.5	1	1	1	1.3	1	1	1	1	1									
Aliphatics >EC12-EC16	0.1	15	2	8.3	0	24	5.017714	POTENTIALLY SUITABLE FOR USE	2	2.001	5.7	2	2	8.3	2	2	2	5	2	2	2	2	2									
Aliphatics >EC16-EC35	0.1	0	0	0	0	1000000																										
Aliphatics >EC35-EC44	0.1	15	8.4	12	0	1000000	9.686405	POTENTIALLY SUITABLE FOR USE	8.4	8.4001	12	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4									
Aromatics EC5-EC7	0.01	15	0.001	0.00101	0	1200	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aromatics >EC7-EC8	0.01	15	0.001	0.00101	0	870	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aromatics >EC8-EC10	0.01	15	0.001	0.00101	0	610	0.001004	POTENTIALLY SUITABLE FOR USE	0.001	0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001									
Aromatics >EC10-EC12	0.01	15	1	1.001	0	360	1.000357	POTENTIALLY SUITABLE FOR USE	1	1.001	1	1	1	1	1	1	1	1	1	1	1	1	1									
Aromatics >EC12-EC16	0.1	15	2	2.001	0	36000	2.000357	POTENTIALLY SUITABLE FOR USE	2	2.001	2	2	2	2	2	2	2	2	2	2	2	2	2									
Aromatics >EC16-EC21	0.1	15	10	10.001	0	28000	10.00036	POTENTIALLY SUITABLE FOR USE	10	10.001	10	10	10	10	10	10	10	10	10	10	10	10	10									
Aromatics >EC21-EC35	0.1	15	10	10.001	0	28000	10.00036	POTENTIALLY SUITABLE FOR USE	10	10.001	10	10	10	10	10	10	10	10	10	10	10	10	10									
Aromatics >EC35-EC44	0.1	15	8.4	8.4001	0	28000	8.400036	POTENTIALLY SUITABLE FOR USE	8.4	8.4001	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4									
ADDITIVITY CHECK									HAZARD QUOTIENTS FOR EACH FRACTION																							
									Aliphatics EC5-EC6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
									Aliphatics >EC6-EC8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive									Aliphatics >EC8-EC10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
									Aliphatics >EC10-EC12	0.021	0.021	0.021	0.021	0.021	0.021	0.135	0.021	0.021	0.021	0.027	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021		
									Aliphatics >EC12-EC16	0.083	0.083	0.238	0.083	0.083	0.083	0.346	0.083	0.083	0.083	0.208	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
									Aliphatics >EC16-EC35																							
									Aliphatics >EC35-EC44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
									Aromatics EC5-EC7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
									Aromatics >EC7-EC8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Considered additive									Aromatics >EC8-EC10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
									Aromatics >EC10-EC12	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
									Aromatics >EC12-EC16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Considered additive									Aromatics >EC16-EC21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
									Aromatics >EC21-EC35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
									Aromatics >EC35-EC44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
									Hazard Index for ali>C8-C16	0.104	0.104	0.258	0.104	0.104	0.481	0.104	0.104	0.104	0.235	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104		
									Hazard Index for aro>C8-C16	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
									Hazard Index for aro>C16-C35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
<p>Risk parameter: Human health - commercial (1%SOM) Data set: Natural Strata Client: SEGRO plc Site: Kettering East - Plot 4b Job no.: C-14441-C Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1</p>									<p>Legend: Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading. Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Main table values in red are equal to, or greater than, the generic assessment criterion (GAC). NSF denotes Northampton Sand Formation WMF denotes Whitby Mudstone Formation</p>																							

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated								Soil Type	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Location & Depth	WS01	WS02	WS03	WS04	WS15	WS16	WS17	WS18	WS19	WS20	WS21	WS22	WS38
								Result of Significance Test	0.50	0.60	1.40	0.20	0.30	0.50	0.10	0.40	0.60	0.20	0.20	0.20	0.20
Arsenic	1	13	15	140	0	250	96.44842	POTENTIALLY SUITABLE FOR USE	98	51	86	44	76	64	54	130	140	120	15	41	93
Boron	0.2	13	0.2	0.9	0	3	0.684054	POTENTIALLY SUITABLE FOR USE	0.4	0.6	0.9	0.2	0.6	0.9	0.7	0.5	0.5	0.7	0.2	0.8	0.4
Chromium (III)	1	13	85	340	0	400	215.1636	POTENTIALLY SUITABLE FOR USE	98	140	180	180	200	180	140	230	230	240	340	85	100
Chromium (VI)	1.2	13	1.2	1.2	0	25	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	13	8.9	23	0	200	14.98116	POTENTIALLY SUITABLE FOR USE	9.9	17	15	11	13	14	23	10	12	8.9	9.4	13	14
Nickel	2	13	36	120	1	110	89.34868	POTENTIALLY SUITABLE FOR USE	120	52	78	56	79	66	63	97	100	93	100	36	70
Zinc	2	13	130	370	3	300	271.0258	POTENTIALLY SUITABLE FOR USE	220	170	230	210	260	220	200	230	320	370	350	130	130
	Mean																				
pH (su)	7.1								7.4	7.3	7.5	7.4	7.3	6.9	7.1	6.6	7.1	7.1	6	7.5	7.4
Risk parameter: Plant life pH >7 Data set: Made Ground Client: SEGRO plc Site: Kettering East - Plot 4b Job no.: C-14441-C Lab. report no(s): 21-70464-1								Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC). MG denotes Made Ground													

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated								Soil Type	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Location & Depth	WS05	WS06	WS07	WS08	WS09	WS10	WS11	WS12	WS13	WS14	WS23	WS24	WS25	WS26	WS27
								Result of Significance Test	0.60	0.70	0.40	0.60	0.20	0.50	0.60	0.40	1.30	0.50	0.20	0.80	0.30	0.20	0.40
Arsenic	1	47	14	220	0	250	81.56775	POTENTIALLY SUITABLE FOR USE	63	32	54	40	66	220	70	62	68	50	35	46	56	48	67
Boron	0.2	47	0.2	1.6	0	3	0.52713	POTENTIALLY SUITABLE FOR USE	0.2	0.4	0.3	0.8	0.2	0.2	0.2	0.5	0.5	0.2	0.6	0.3	0.2	0.9	0.3
Chromium (III)	1	47	44	360	0	400	136.3554	POTENTIALLY SUITABLE FOR USE	170	190	97	120	220	120	78	240	100	150	150	360	240	110	86
Chromium (VI)	1.2	47	1.2	1.2	0	25	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	47	1	29	0	200	12.57414	POTENTIALLY SUITABLE FOR USE	12	6.6	9.2	15	18	6.8	6.4	20	4.3	9.3	19	12	16	20	8.8
Nickel	2	47	29	100	0	110	61.26393	POTENTIALLY SUITABLE FOR USE	68	52	58	51	89	100	56	84	66	88	63	96	74	45	37
Zinc	2	47	64	350	3	300	184.7828	POTENTIALLY SUITABLE FOR USE	230	210	240	220	350	200	120	310	160	190	200	350	290	150	100
	Mean																						
pH (su)	7.2								7.4	7.2	7.2	6.4	7.5	7.2	7.9	6.5	7.4	7.2	6.7	6.8	7.3	7.2	6.7

Risk parameter: Plant life pH >7
Data set: Natural Strata
Client: SEGRO plc
Site: Kettering East - Plot 4b
Job no.: C-14441-C
Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 NSF denotes Northampton Sand Formation
 WMF denotes Whitby Mudstone Formation

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated								Soil Type	NSF	NSF	WMF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Location & Depth	WS28	WS29	WS30	WS31	WS32	WS33	WS34	WS35	WS36	WS37	WS39	WS40	WS41	WS42	WS43	WS44	
								Result of Significance Test	0.50	0.20	1.60	0.80	0.20	0.20	0.90	0.60	0.40	0.70	0.30	0.20	0.70	0.70	0.80	0.30	
Arsenic	1	47	14	220	0	250	81.56775	POTENTIALLY SUITABLE FOR USE	75	100	14	91	78	63	220	85	46	82	55	86	41	66	130	93	
Boron	0.2	47	0.2	1.6	0	3	0.52713	POTENTIALLY SUITABLE FOR USE	0.4	0.4	1	0.5	0.2	0.4	0.2	0.2	0.5	0.4	0.5	0.5	0.5	0.2	0.6	0.2	
Chromium (III)	1	47	44	360	0	400	136.3554	POTENTIALLY SUITABLE FOR USE	93	91	46	100	89	150	85	170	100	87	82	180	100	74	100	100	
Chromium (VI)	1.2	47	1.2	1.2	0	25	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	47	1	29	0	200	12.57414	POTENTIALLY SUITABLE FOR USE	11	13	29	6.6	9.9	10	7.7	7.4	23	1	4.3	12	20	7.9	11	11	
Nickel	2	47	29	100	0	110	61.26393	POTENTIALLY SUITABLE FOR USE	55	55	29	57	46	62	70	70	42	51	47	79	46	61	47	74	
Zinc	2	47	64	350	3	300	184.7828	POTENTIALLY SUITABLE FOR USE	150	150	64	120	120	190	150	230	170	130	140	220	150	180	150	96	
	Mean																								
pH (su)	7.2								6.6	7.5	7.5	7.2	7.3	7.4	8.4	6.9	7.5	7.4	7.5	7.4	7.8	7	7.2	7.6	
<p>Risk parameter: Plant life pH >7 Data set: Natural Strata Client: SEGRO plc Site: Kettering East - Plot 4b Job no.: C-14441-C Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1</p>																									

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated																								
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	US ₉₅	Result of Significance Test	Soil Type NSF															
									Location & Depth		WS45	WS46	WS47	WS48	WS49	WS50	WS51	WS52	WS53	WS54	WS55	WS56	WS57	WS58
									0.80	0.20	0.10	0.20	0.80	0.90	0.10	0.20	0.60	0.20	0.20	1.70	0.50	0.20	0.20	0.60
Arsenic	1	47	14	220	0	250	81.56775	POTENTIALLY SUITABLE FOR USE	81	64	40	72	87	46	81	55	71	82	56	110	74	57	50	69
Boron	0.2	47	0.2	1.6	0	3	0.52713	POTENTIALLY SUITABLE FOR USE	1.4	0.2	0.7	0.3	0.4	0.4	1.6	0.2	0.2	0.5	0.2	0.3	0.4	0.9	0.8	0.2
Chromium (III)	1	47	44	360	0	400	136.3554	POTENTIALLY SUITABLE FOR USE	74	77	230	110	100	97	44	73	87	90	110	93	94	120	140	110
Chromium (VI)	1.2	47	1.2	1.2	0	25	1.2	POTENTIALLY SUITABLE FOR USE	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	47	1	29	0	200	12.57414	POTENTIALLY SUITABLE FOR USE	11	5.7	12	5.8	11	8.9	16	9.6	8.5	7.4	10	8.8	13	12	15	5.9
Nickel	2	47	29	100	0	110	61.26393	POTENTIALLY SUITABLE FOR USE	40	58	80	46	34	40	33	36	48	44	48	59	50	44	57	49
Zinc	2	47	64	350	3	300	184.7828	POTENTIALLY SUITABLE FOR USE	110	120	220	140	97	120	120	100	97	190	150	140	150	130	200	130
	Mean																							
pH (su)	7.2								7.7	7.1	6.7	6.9	6.9	6.8	7.3	7	7.3	7	7.2	6.6	7.3	7.7	7.4	8
<p>Risk parameter: Plant life pH >7 Data set: Natural Strata Client: SEGRO plc Site: Kettering East - Plot 4b Job no.: C-14441-C Lab. report no(s): 27-70789-1, 21-71190-1 & 21-70464-1</p>																								

Appendix E

Waste Classification

Preliminary assessment of potential waste

Subject to suitable segregation during excavation, natural uncontaminated soil arisings (excluding topsoil and peat) are likely to be classified as non-hazardous and typically would be considered suitable to be accepted at an inert landfill without further Waste Acceptance Criteria (WAC) testing.

As Made Ground have been identified, in order to inform the preliminary waste characterisation process, Hydrock has undertaken an exercise using the proprietary web-based tool HazWasteOnline™. The results of the output are included below, and a preliminary waste classification is provided in Section 6.1.2.

With regard to the HazWasteOnline™ and petroleum hydrocarbons, based upon carbon banding of the TPH, the findings of the investigation and the way the petroleum hydrocarbons are distributed within the soil, it is likely that the potential for the soil being hazardous on account of HP3i can be all but discounted. However, this can be confirmed only by subjecting the material to flash-point testing. It would be reasonable to assume that the result would indicate that the soil, would be non-hazardous as a result of the TPH content.

WAC Testing

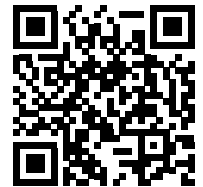
If soils are to be disposed of to a non-hazardous landfill, WAC testing is not required. However, if soils are to be disposed to an inert landfill or a hazardous landfill, the next stage of assessment is to undertake Waste Acceptance Criteria (WAC) testing. This will determine the landfill category at which the soils can be accepted.

Hazardous material must be subjected to WAC testing to determine whether it requires treatment before it can be accepted at the hazardous landfill while non-hazardous material can be tested to determine whether it may be suitable for placement in an inert landfill.

The WAC test results reported to date (see below) indicate that the natural / Made Ground soils are likely to be suitable for disposal to a inert or non-hazardous landfill.

HazWasteOnline™ Assessment

Waste Classification Report



6ZNQU-U2BBZ-TC7YY

Job name

21-70464_HWOL_Results

Description/Comments

Lab Certs 21-70464, 21-70789 & 21-71190

Project

14441

Site

Kettering Gateway Plot 4B

Related Documents

#	Name	Description
1	21-70464_HWOL_Results.hwol	.hwol file used to create the Job

Waste Stream Template

Hydrock Standard plus Cresol (ammended Lead)

Classified by

Name: Nathan Thompson	Company: Hydrock Consultants Ltd Hawthorn Park Holdenby Road, Spratton Northampton NN6 8LD	HazWasteOnline™ Training Record:
Date: 05 May 2021 12:00 GMT		Course Hazardous Waste Classification
Telephone: 07557 345 513		Date 21 Apr 2021
		Advanced Hazardous Waste Classification 22 Apr 2021

Report

Created by: Nathan Thompson
Created date: 05 May 2021 12:00 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01--20042021-0.50		Non Hazardous		3
2	WS02--20042021-0.60		Non Hazardous		6
3	WS03--20042021-1.40		Non Hazardous		8
4	WS04--20042021-0.20		Non Hazardous		10
5	WS05--20042021-0.60		Non Hazardous		13
6	WS06--20042021-0.70		Non Hazardous		15
7	WS07--20042021-0.40		Non Hazardous		17
8	WS08--20042021-0.60		Non Hazardous		20
9	WS17--20042021-0.10		Non Hazardous		22
10	WS18--20042021-0.40		Non Hazardous		24
11	WS19--20042021-0.60		Non Hazardous		27
12	WS20--20042021-0.20		Non Hazardous		29

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
13	WS21--20042021-0.20		Non Hazardous		31
14	WS23--20042021-0.20		Non Hazardous		34
15	WS24--20042021-0.80		Non Hazardous		36
16	WS36--20042021-0.40		Non Hazardous		38
17	WS37--20042021-0.70		Non Hazardous		41
18	WS38--20042021-0.70		Non Hazardous		43
19	WS39--20042021-0.30		Non Hazardous		45
20	WS40--20042021-0.20		Non Hazardous		48
21	WS43--20042021-0.80		Non Hazardous		50
22	WS49--20042021-0.80		Non Hazardous		52
23	WS50--20042021-0.90		Non Hazardous		55
24	WS51--20042021-0.10		Non Hazardous		57
25	WS53--20042021-0.60		Non Hazardous		59
26	WS54--20042021-0.20		Non Hazardous		62
27	WS56--20042021-1.70		Non Hazardous		64
28	WS16--20042021-0.50		Non Hazardous		66
29	WS22--20042021-0.20		Non Hazardous		69
30	WS15--20042021-0.30		Non Hazardous		71
31	WS14--20042021-0.50		Non Hazardous		73
32	WS59--20042021-0.20		Non Hazardous		76
33	WS12--20042021-0.40		Non Hazardous		78
34	WS13--20042021-1.30		Non Hazardous		80
35	WS25--20042021-0.30		Non Hazardous		83
36	WS41--20042021-0.70		Non Hazardous		85

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	88
Appendix B: Rationale for selection of metal species	89
Appendix C: Version	90

Classification of sample: WS01--20042021-0.50

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

Sample details

Sample Name: WS01--20042021-0.50	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 15% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	98 mg/kg	1.32	109.983 mg/kg	0.011 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.2 mg/kg	2.775	5.19 mg/kg	0.000519 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.566 mg/kg	0.000457 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		98 mg/kg	1.462	121.748 mg/kg	0.0122 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.9 mg/kg	1.126	9.474 mg/kg	0.000947 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		20.4 mg/kg	0.00204 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		120 mg/kg	1.579	161.109 mg/kg	0.0161 %	✓		
28	pH			PH		7.4 pH		7.4 pH	7.4 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		220 mg/kg	1.245	232.762 mg/kg	0.0233 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	303.481 mg/kg	0.0303 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0987 %			

Key

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

Classification of sample: WS02--20042021-0.60

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

Sample details

Sample Name:	WS02--20042021-0.60	LoW Code:	
Moisture content:	12% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	51 mg/kg	1.32	59.256 mg/kg	0.00593 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.8 mg/kg	2.775	6.838 mg/kg	0.000684 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	7.091 mg/kg	0.000709 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	180.064 mg/kg	0.018 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				17 mg/kg	1.126	16.843 mg/kg	0.00168 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	38 mg/kg		33.44 mg/kg	0.00334 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				52 mg/kg	1.579	72.278 mg/kg	0.00723 %	✓		
26	pH PH				7.3 pH		7.3 pH	7.3 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				170 mg/kg	1.245	186.209 mg/kg	0.0186 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				290 mg/kg	1.785	455.579 mg/kg	0.0456 %	✓		
Total:									0.103 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS03--20042021-1.40

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

Sample details

Sample Name:	WS03--20042021-1.40	LoW Code:	
Moisture content:	12% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	86 mg/kg	1.32	99.922 mg/kg	0.00999 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.1 mg/kg	2.775	12.456 mg/kg	0.00125 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.9 mg/kg	13.43	10.637 mg/kg	0.00106 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	180 mg/kg	1.462	231.51 mg/kg	0.0232 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	14.862	mg/kg	0.00149 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	38	mg/kg		33.44	mg/kg	0.00334 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				78	mg/kg	1.579	108.417	mg/kg	0.0108 %	✓	
26	pH PH				7.5	pH		7.5	pH	7.5 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				230	mg/kg	1.245	251.93	mg/kg	0.0252 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				400	mg/kg	1.785	628.385	mg/kg	0.0628 %	✓	
Total:										0.14 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔍 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS04--20042021-0.20

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

Sample details

Sample Name: WS04--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 12% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

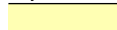



Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	44 mg/kg	1.32	51.123 mg/kg	0.00511 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.5 mg/kg	2.775	8.548 mg/kg	0.000855 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.364 mg/kg	0.000236 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		180 mg/kg	1.462	231.51 mg/kg	0.0232 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.899 mg/kg	0.00109 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	38 mg/kg		33.44 mg/kg	0.00334 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				56 mg/kg	1.579	77.838 mg/kg	0.00778 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				210 mg/kg	1.245	230.023 mg/kg	0.023 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				380 mg/kg	1.785	596.966 mg/kg	0.0597 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.126 %		

Key

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

Classification of sample: WS05--20042021-0.60

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

Sample details

Sample Name: WS05--20042021-0.60	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	63 mg/kg	1.32	72.367 mg/kg	0.00724 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.7 mg/kg	2.775	11.348 mg/kg	0.00113 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.337 mg/kg	0.000234 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		170 mg/kg	1.462	216.164 mg/kg	0.0216 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12 mg/kg	1.126	11.754 mg/kg	0.00118 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	40 mg/kg		34.8 mg/kg	0.00348 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				68 mg/kg	1.579	93.443 mg/kg	0.00934 %	✓		
26	pH PH				7.4 pH		7.4 pH	7.4 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				230 mg/kg	1.245	249.067 mg/kg	0.0249 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				370 mg/kg	1.785	574.651 mg/kg	0.0575 %	✓		
Total:									0.127 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS06--20042021-0.70

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

Sample details

Sample Name: WS06--20042021-0.70	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 15% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	32 mg/kg	1.32	35.913 mg/kg	0.00359 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.8 mg/kg	2.775	6.605 mg/kg	0.000661 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.566 mg/kg	0.000457 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		190 mg/kg	1.462	236.041 mg/kg	0.0236 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				6.6 mg/kg	1.126	6.316 mg/kg	0.000632 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36 mg/kg		30.6 mg/kg	0.00306 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				52 mg/kg	1.579	69.814 mg/kg	0.00698 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.2 pH		7.2 pH	7.2 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				210 mg/kg	1.245	222.181 mg/kg	0.0222 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				380 mg/kg	1.785	576.615 mg/kg	0.0577 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.12 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS07--20042021-0.40

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

Sample details

Sample Name: WS07--20042021-0.40	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	54 mg/kg	1.32	62.029 mg/kg	0.0062 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.2 mg/kg	2.775	5.312 mg/kg	0.000531 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.505 mg/kg	0.000351 %	✔	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		97 mg/kg	1.462	123.341 mg/kg	0.0123 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.2 mg/kg	1.126	9.012 mg/kg	0.000901 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	29 mg/kg		25.23 mg/kg	0.00252 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		58 mg/kg	1.579	79.702 mg/kg	0.00797 %	✓		
28	pH			PH		7.2 pH		7.2 pH	7.2 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		240 mg/kg	1.245	259.896 mg/kg	0.026 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		180 mg/kg	1.785	279.56 mg/kg	0.028 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0866 %			

Key

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

Classification of sample: WS08--20042021-0.60

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

Sample details

Sample Name:	WS08--20042021-0.60	LoW Code:	
Moisture content:	11%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	40 mg/kg	1.32	47.004 mg/kg	0.0047 %	✔		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.5 mg/kg	2.775	6.175 mg/kg	0.000618 %	✔		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8 mg/kg	13.43	9.562 mg/kg	0.000956 %	✔		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	120 mg/kg	1.462	156.094 mg/kg	0.0156 %	✔		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	15.031	mg/kg	0.0015 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	31	mg/kg		27.59	mg/kg	0.00276 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				51	mg/kg	1.579	71.693	mg/kg	0.00717 %	✓	
26	pH PH				6.4	pH		6.4	pH	6.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				220	mg/kg	1.245	243.715	mg/kg	0.0244 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				260	mg/kg	1.785	413.092	mg/kg	0.0413 %	✓	
Total:										0.0998 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS17--20042021-0.10

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

Sample details

Sample Name:	LoW Code:
WS17--20042021-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
8.6%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	54 mg/kg	1.32	65.166 mg/kg	0.00652 %	✔		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.1 mg/kg	2.775	7.864 mg/kg	0.000786 %	✔		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.7 mg/kg	13.43	8.593 mg/kg	0.000859 %	✔		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	187.021 mg/kg	0.0187 %	✔		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				23 mg/kg	1.126	23.668 mg/kg	0.00237 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	44 mg/kg		40.216 mg/kg	0.00402 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				63 mg/kg	1.579	90.951 mg/kg	0.0091 %	✓	
26	pH PH				7.1 pH		7.1 pH	7.1 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200 mg/kg	1.245	227.534 mg/kg	0.0228 %	✓	
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				310 mg/kg	1.785	505.814 mg/kg	0.0506 %	✓	
Total:								0.116 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔍 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS18--20042021-0.40

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

Sample details

Sample Name:	LoW Code:
WS18--20042021-0.40	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
14%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

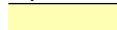



Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	130 mg/kg	1.32	147.612 mg/kg	0.0148 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.6 mg/kg	2.775	8.592 mg/kg	0.000859 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.775 mg/kg	0.000577 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		230 mg/kg	1.462	289.096 mg/kg	0.0289 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	9.683 mg/kg	0.000968 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	61 mg/kg		52.46 mg/kg	0.00525 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				97 mg/kg	1.579	131.762 mg/kg	0.0132 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				6.6 pH		6.6 pH	6.6 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				230 mg/kg	1.245	246.204 mg/kg	0.0246 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				500 mg/kg	1.785	767.63 mg/kg	0.0768 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.168 %		

Key

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

Classification of sample: WS19--20042021-0.60

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

Sample details

Sample Name: WS19--20042021-0.60	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 12% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	140 mg/kg	1.32	162.664 mg/kg	0.0163 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	6.3 mg/kg	2.775	15.387 mg/kg	0.00154 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.909 mg/kg	0.000591 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		230 mg/kg	1.462	295.819 mg/kg	0.0296 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	11.889 mg/kg	0.00119 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	49 mg/kg		43.12 mg/kg	0.00431 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				100 mg/kg	1.579	138.996 mg/kg	0.0139 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.1 pH		7.1 pH	7.1 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				320 mg/kg	1.245	350.511 mg/kg	0.0351 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				530 mg/kg	1.785	832.61 mg/kg	0.0833 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.186 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS20--20042021-0.20

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

Sample details

Sample Name:	LoW Code:
WS20--20042021-0.20	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	120 mg/kg	1.32	137.842 mg/kg	0.0138 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	8.5 mg/kg	2.775	20.524 mg/kg	0.00205 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.179 mg/kg	0.000818 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		240 mg/kg	1.462	305.173 mg/kg	0.0305 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				8.9	mg/kg	1.126	8.718	mg/kg	0.000872 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	55	mg/kg		47.85	mg/kg	0.00479 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				93	mg/kg	1.579	127.797	mg/kg	0.0128 %	✓	
26	pH PH				7.1	pH		7.1	pH	7.1 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				370	mg/kg	1.245	400.673	mg/kg	0.0401 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				510	mg/kg	1.785	792.087	mg/kg	0.0792 %	✓	
Total:										0.186 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS21--20042021-0.20

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

Sample details

Sample Name: WS21--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	15 mg/kg	1.32	16.636 mg/kg	0.00166 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.7 mg/kg	2.775	13.288 mg/kg	0.00133 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		340 mg/kg	1.462	417.42 mg/kg	0.0417 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.4 mg/kg	1.126	8.89 mg/kg	0.000889 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	57 mg/kg		47.88 mg/kg	0.00479 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		100 mg/kg	1.579	132.678 mg/kg	0.0133 %	✓		
28	pH			PH		6 pH		6 pH	6pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		350 mg/kg	1.245	365.946 mg/kg	0.0366 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		650 mg/kg	1.785	974.711 mg/kg	0.0975 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:										0.2 %		

Key

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

Classification of sample: WS23--20042021-0.20

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

Sample details

Sample Name:	LoW Code:
WS23--20042021-0.20	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	35 mg/kg	1.32	40.204 mg/kg	0.00402 %		✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.4 mg/kg	2.775	8.209 mg/kg	0.000821 %		✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	7.01 mg/kg	0.000701 %		✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	150 mg/kg	1.462	190.733 mg/kg	0.0191 %		✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				19	mg/kg	1.126	18.611	mg/kg	0.00186 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	35	mg/kg		30.45	mg/kg	0.00305 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				63	mg/kg	1.579	86.572	mg/kg	0.00866 %	✓	
26	pH PH				6.7	pH		6.7	pH	6.7 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200	mg/kg	1.245	216.58	mg/kg	0.0217 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				300	mg/kg	1.785	465.933	mg/kg	0.0466 %	✓	
Total:										0.107 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS24--20042021-0.80

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

Sample details

Sample Name:	WS24--20042021-0.80	LoW Code:	
Moisture content:	16% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	51.017 mg/kg	0.0051 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	6.6 mg/kg	2.775	15.387 mg/kg	0.00154 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.3 mg/kg	13.43	3.384 mg/kg	0.000338 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	360 mg/kg	1.462	441.974 mg/kg	0.0442 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12	mg/kg	1.126	11.349	mg/kg	0.00113 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	58	mg/kg		48.72	mg/kg	0.00487 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				96	mg/kg	1.579	127.371	mg/kg	0.0127 %	✓	
26	pH PH				6.8	pH		6.8	pH	6.8 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				350	mg/kg	1.245	365.946	mg/kg	0.0366 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				720	mg/kg	1.785	1079.68	mg/kg	0.108 %	✓	
Total:										0.215 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS36--20042021-0.40

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

Sample details

Sample Name:	LoW Code:
WS36--20042021-0.40	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
11%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	54.054 mg/kg	0.00541 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.2 mg/kg	2.775	7.904 mg/kg	0.00079 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.976 mg/kg	0.000598 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	100 mg/kg	1.462	130.078 mg/kg	0.013 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	23.047 mg/kg	0.0023 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	37 mg/kg		32.93 mg/kg	0.00329 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				42 mg/kg	1.579	59.042 mg/kg	0.0059 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH		PH		7.5 pH		7.5 pH	7.5 pH		
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				170 mg/kg	1.245	188.325 mg/kg	0.0188 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentoxide; vanadium pentoxide }				250 mg/kg	1.785	397.204 mg/kg	0.0397 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0917 %		

Key

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

Classification of sample: WS37--20042021-0.70

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

Sample details

Sample Name:	LoW Code:
WS37--20042021-0.70	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	82 mg/kg	1.32	89.861 mg/kg	0.00899 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.8 mg/kg	2.775	4.146 mg/kg	0.000415 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.459 mg/kg	0.000446 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		87 mg/kg	1.462	105.539 mg/kg	0.0106 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
16	copper { dicopper oxide; copper (I) oxide }				<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<LOD
	029-002-00-X	215-270-7	1317-39-1							
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20 mg/kg		16.6 mg/kg	0.00166 %	✓	
	082-001-00-6									
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
25	nickel { nickel dihydroxide }				51 mg/kg	1.579	66.86 mg/kg	0.00669 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
26	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
30	zinc { zinc oxide }				130 mg/kg	1.245	134.305 mg/kg	0.0134 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				160 mg/kg	1.785	237.073 mg/kg	0.0237 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
Total:								0.0668 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS38--20042021-0.70

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

Sample details

Sample Name:	LoW Code:
WS38--20042021-0.70	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	93 mg/kg	1.32	101.916 mg/kg	0.0102 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.3 mg/kg	2.775	5.298 mg/kg	0.00053 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.459 mg/kg	0.000446 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	121.309 mg/kg	0.0121 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				14	mg/kg	1.126	13.083	mg/kg	0.00131 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21	mg/kg		17.43	mg/kg	0.00174 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				70	mg/kg	1.579	91.769	mg/kg	0.00918 %	✓	
26	pH PH				7.4	pH		7.4	pH	7.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				130	mg/kg	1.245	134.305	mg/kg	0.0134 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				210	mg/kg	1.785	311.158	mg/kg	0.0311 %	✓	
Total:										0.0809 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS39--20042021-0.30

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

Sample details

Sample Name: WS39--20042021-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 18% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	55 mg/kg	1.32	59.547 mg/kg	0.00595 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2 mg/kg	2.775	4.552 mg/kg	0.000455 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.506 mg/kg	0.000551 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		82 mg/kg	1.462	98.275 mg/kg	0.00983 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.3 mg/kg	1.126	3.97 mg/kg	0.000397 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	19 mg/kg		15.58 mg/kg	0.00156 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		47 mg/kg	1.579	60.874 mg/kg	0.00609 %	✓		
28	pH			PH		7.5 pH		7.5 pH	7.5 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		140 mg/kg	1.245	142.893 mg/kg	0.0143 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	292.77 mg/kg	0.0293 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0702 %			

Key

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

Classification of sample: WS40--20042021-0.20

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

Sample details

Sample Name:	WS40--20042021-0.20	LoW Code:	
Moisture content:	10%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	86 mg/kg	1.32	102.193 mg/kg	0.0102 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.6 mg/kg	2.775	8.992 mg/kg	0.000899 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	6.044 mg/kg	0.000604 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	180 mg/kg	1.462	236.772 mg/kg	0.0237 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12	mg/kg	1.126	12.16	mg/kg	0.00122 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	46	mg/kg		41.4	mg/kg	0.00414 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				79	mg/kg	1.579	112.302	mg/kg	0.0112 %	✓	
26	pH PH				7.4	pH		7.4	pH	7.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				220	mg/kg	1.245	246.453	mg/kg	0.0246 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				380	mg/kg	1.785	610.533	mg/kg	0.0611 %	✓	
Total:										0.138 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS43--20042021-0.80

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

Sample details

Sample Name: WS43--20042021-0.80	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 17% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	130 mg/kg	1.32	142.463 mg/kg	0.0142 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.6 mg/kg	2.775	3.686 mg/kg	0.000369 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	6.688 mg/kg	0.000669 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	100 mg/kg	1.462	121.309 mg/kg	0.0121 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				11	mg/kg	1.126	10.279	mg/kg	0.00103 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21	mg/kg		17.43	mg/kg	0.00174 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				47	mg/kg	1.579	61.616	mg/kg	0.00616 %	✓	
26	pH PH				7.2	pH		7.2	pH	7.2 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				150	mg/kg	1.245	154.967	mg/kg	0.0155 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				160	mg/kg	1.785	237.073	mg/kg	0.0237 %	✓	
Total:										0.0764 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS49--20042021-0.80

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

Sample details

Sample Name: WS49--20042021-0.80	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

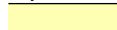



Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	87 mg/kg	1.32	96.489 mg/kg	0.00965 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.4 mg/kg	2.775	3.264 mg/kg	0.000326 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.4 mg/kg	13.43	4.512 mg/kg	0.000451 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	100 mg/kg	1.462	122.771 mg/kg	0.0123 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.403 mg/kg	0.00104 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		15.96 mg/kg	0.0016 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				34 mg/kg	1.579	45.111 mg/kg	0.00451 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				6.9 pH		6.9 pH	6.9 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				97 mg/kg	1.245	101.419 mg/kg	0.0101 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				150 mg/kg	1.785	224.933 mg/kg	0.0225 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0643 %		

Key

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

Classification of sample: WS50--20042021-0.90

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

Sample details

Sample Name:	LoW Code:
WS50--20042021-0.90	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	51.017 mg/kg	0.0051 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.7 mg/kg	2.775	3.963 mg/kg	0.000396 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.512 mg/kg	0.000451 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		97 mg/kg	1.462	119.088 mg/kg	0.0119 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				8.9 mg/kg	1.126	8.417 mg/kg	0.000842 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21 mg/kg		17.64 mg/kg	0.00176 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				40 mg/kg	1.579	53.071 mg/kg	0.00531 %	✓	
26	pH PH				6.8 pH		6.8 pH	6.8 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				120 mg/kg	1.245	125.467 mg/kg	0.0125 %	✓	
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				220 mg/kg	1.785	329.902 mg/kg	0.033 %	✓	
Total:								0.0721 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS51--20042021-0.10

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

Sample details

Sample Name: WS51--20042021-0.10	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 9.5% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 9.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	81 mg/kg	1.32	96.786 mg/kg	0.00968 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.2 mg/kg	2.775	3.014 mg/kg	0.000301 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.6 mg/kg	13.43	19.447 mg/kg	0.00194 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		44 mg/kg	1.462	58.199 mg/kg	0.00582 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				16	mg/kg	1.126	16.303	mg/kg	0.00163 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	15	mg/kg		13.575	mg/kg	0.00136 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				33	mg/kg	1.579	47.172	mg/kg	0.00472 %	✓	
26	pH PH				7.3	pH		7.3	pH	7.3 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				120	mg/kg	1.245	135.176	mg/kg	0.0135 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				77	mg/kg	1.785	124.401	mg/kg	0.0124 %	✓	
Total:										0.0522 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS53--20042021-0.60

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

Sample details

Sample Name: WS53--20042021-0.60	LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	71 mg/kg	1.32	78.744 mg/kg	0.00787 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	4.896 mg/kg	0.00049 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.256 mg/kg	0.000226 %	✔	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		87 mg/kg	1.462	106.81 mg/kg	0.0107 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.5 mg/kg	1.126	8.039 mg/kg	0.000804 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		20.16 mg/kg	0.00202 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		48 mg/kg	1.579	63.685 mg/kg	0.00637 %	✓		
28	pH			PH		7.3 pH		7.3 pH	7.3 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		97 mg/kg	1.245	101.419 mg/kg	0.0101 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	299.911 mg/kg	0.03 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0704 %			

Key

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

Classification of sample: WS54--20042021-0.20

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

Sample details

Sample Name: WS54--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	82 mg/kg	1.32	94.192 mg/kg	0.00942 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.9 mg/kg	2.775	4.588 mg/kg	0.000459 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	90 mg/kg	1.462	114.44 mg/kg	0.0114 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				7.4 mg/kg	1.126	7.248 mg/kg	0.000725 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	27 mg/kg		23.49 mg/kg	0.00235 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				44 mg/kg	1.579	60.463 mg/kg	0.00605 %	✓		
26	pH PH				7 pH		7 pH	7pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				190 mg/kg	1.245	205.751 mg/kg	0.0206 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				190 mg/kg	1.785	295.091 mg/kg	0.0295 %	✓		
Total:									0.0819 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS56--20042021-1.70

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

Sample details

Sample Name: WS56--20042021-1.70	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 15% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	110 mg/kg	1.32	123.45 mg/kg	0.0123 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	4.954 mg/kg	0.000495 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.3 mg/kg	13.43	3.425 mg/kg	0.000342 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	93 mg/kg	1.462	115.536 mg/kg	0.0116 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				8.8 mg/kg	1.126	8.422 mg/kg	0.000842 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21 mg/kg		17.85 mg/kg	0.00179 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				59 mg/kg	1.579	79.212 mg/kg	0.00792 %	✓		
26	pH PH				6.6 pH		6.6 pH	6.6 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				140 mg/kg	1.245	148.121 mg/kg	0.0148 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				200 mg/kg	1.785	303.481 mg/kg	0.0303 %	✓		
Total:									0.0812 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS16--20042021-0.50

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

Sample details

Sample Name:	LoW Code:
WS16--20042021-0.50	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
10%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

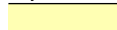



Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	64 mg/kg	1.32	76.051 mg/kg	0.00761 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.6 mg/kg	2.775	11.49 mg/kg	0.00115 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.9 mg/kg	13.43	10.878 mg/kg	0.00109 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	180 mg/kg	1.462	236.772 mg/kg	0.0237 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	14.186 mg/kg	0.00142 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	44 mg/kg		39.6 mg/kg	0.00396 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				66 mg/kg	1.579	93.822 mg/kg	0.00938 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				6.9 pH		6.9 pH	6.9 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				220 mg/kg	1.245	246.453 mg/kg	0.0246 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				420 mg/kg	1.785	674.8 mg/kg	0.0675 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.142 %		

Key

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

Classification of sample: WS22--20042021-0.20

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

Sample details

Sample Name:	LoW Code:
WS22--20042021-0.20	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
9.3%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 9.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	41 mg/kg	1.32	49.099 mg/kg	0.00491 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.6 mg/kg	2.775	6.545 mg/kg	0.000654 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.745 mg/kg	0.000974 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		85 mg/kg	1.462	112.679 mg/kg	0.0113 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	13.275 mg/kg	0.00133 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27 mg/kg		24.489 mg/kg	0.00245 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				36 mg/kg	1.579	51.574 mg/kg	0.00516 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.5 pH		7.5 pH	7.5 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				130 mg/kg	1.245	146.764 mg/kg	0.0147 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				190 mg/kg	1.785	307.641 mg/kg	0.0308 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.073 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS15--20042021-0.30

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

Sample details

Sample Name: WS15--20042021-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 8.3% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 8.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	76 mg/kg	1.32	92.016 mg/kg	0.0092 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.9 mg/kg	2.775	15.015 mg/kg	0.0015 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.389 mg/kg	0.000739 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		200 mg/kg	1.462	268.049 mg/kg	0.0268 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	13.422 mg/kg	0.00134 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	47 mg/kg		43.099 mg/kg	0.00431 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				79 mg/kg	1.579	114.424 mg/kg	0.0114 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.3 pH		7.3 pH	7.3 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
	034-002-00-8										
30	zinc { zinc oxide }				260 mg/kg	1.245	296.765 mg/kg	0.0297 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				440 mg/kg	1.785	720.286 mg/kg	0.072 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.158 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS14--20042021-0.50

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

Sample details

Sample Name: WS14--20042021-0.50	LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	50 mg/kg	1.32	57.434 mg/kg	0.00574 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.5 mg/kg	2.775	6.036 mg/kg	0.000604 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		150 mg/kg	1.462	190.733 mg/kg	0.0191 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.3 mg/kg	1.126	9.11 mg/kg	0.000911 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	30 mg/kg		26.1 mg/kg	0.00261 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		88 mg/kg	1.579	120.926 mg/kg	0.0121 %	✓		
28	pH			PH		7.2 pH		7.2 pH	7.2 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		190 mg/kg	1.245	205.751 mg/kg	0.0206 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		300 mg/kg	1.785	465.933 mg/kg	0.0466 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:										0.11 %		

Key

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

Classification of sample: WS59--20042021-0.20

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

Sample details

Sample Name:	WS59--20042021-0.20	LoW Code:	
Moisture content:	12%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	50 mg/kg	1.32	58.094 mg/kg	0.00581 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.1 mg/kg	2.775	7.571 mg/kg	0.000757 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8 mg/kg	13.43	9.455 mg/kg	0.000945 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	180.064 mg/kg	0.018 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15 mg/kg	1.126	14.862 mg/kg	0.00149 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	42 mg/kg		36.96 mg/kg	0.0037 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				57 mg/kg	1.579	79.228 mg/kg	0.00792 %	✓		
26	pH PH				7.4 pH		7.4 pH	7.4 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200 mg/kg	1.245	219.07 mg/kg	0.0219 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				320 mg/kg	1.785	502.708 mg/kg	0.0503 %	✓		
Total:									0.112 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS12--20042021-0.40

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

Sample details

Sample Name:	LoW Code:
WS12--20042021-0.40	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	62 mg/kg	1.32	71.218 mg/kg	0.00712 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.3 mg/kg	2.775	10.383 mg/kg	0.00104 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	240 mg/kg	1.462	305.173 mg/kg	0.0305 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				20	mg/kg	1.126	19.59	mg/kg	0.00196 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	51	mg/kg		44.37	mg/kg	0.00444 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				84	mg/kg	1.579	115.43	mg/kg	0.0115 %	✓	
26	pH PH				6.5	pH		6.5	pH	6.5 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				310	mg/kg	1.245	335.699	mg/kg	0.0336 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				510	mg/kg	1.785	792.087	mg/kg	0.0792 %	✓	
Total:										0.171 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS13--20042021-1.30

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

Sample details

Sample Name: WS13--20042021-1.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

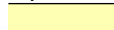



Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	68 mg/kg	1.32	78.11 mg/kg	0.00781 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	5.071 mg/kg	0.000507 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	127.155 mg/kg	0.0127 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				4.3 mg/kg	1.126	4.212 mg/kg	0.000421 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22 mg/kg		19.14 mg/kg	0.00191 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				66 mg/kg	1.579	90.695 mg/kg	0.00907 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				57 mg/kg		49.59 mg/kg	0.00496 %	✓	
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				160 mg/kg	1.245	173.264 mg/kg	0.0173 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				200 mg/kg	1.785	310.622 mg/kg	0.0311 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0872 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free TPH. Unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00496%)

Classification of sample: WS25--20042021-0.30

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

Sample details

Sample Name: WS25--20042021-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 12% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	56 mg/kg	1.32	65.066 mg/kg	0.00651 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.7 mg/kg	2.775	11.479 mg/kg	0.00115 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		240 mg/kg	1.462	308.681 mg/kg	0.0309 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	15.853 mg/kg	0.00159 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	49 mg/kg		43.12 mg/kg	0.00431 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				74 mg/kg	1.579	102.857 mg/kg	0.0103 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.3 pH		7.3 pH	7.3 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				290 mg/kg	1.245	317.651 mg/kg	0.0318 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				500 mg/kg	1.785	785.481 mg/kg	0.0785 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.166 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS41--20042021-0.70

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

Sample details

Sample Name: WS41--20042021-0.70	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	41 mg/kg	1.32	47.096 mg/kg	0.00471 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.6 mg/kg	2.775	6.278 mg/kg	0.000628 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	127.155 mg/kg	0.0127 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	19.59 mg/kg	0.00196 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	34 mg/kg		29.58 mg/kg	0.00296 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		46 mg/kg	1.579	63.212 mg/kg	0.00632 %	✓		
28	pH			PH		7.8 pH		7.8 pH	7.8 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		150 mg/kg	1.245	162.435 mg/kg	0.0162 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		220 mg/kg	1.785	341.684 mg/kg	0.0342 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0821 %			

Key

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

Appendix A: Classifier defined and non CLP determinands

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride

Data source: N/A

Data source date: 06 Aug 2015

Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

CLP index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

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

• **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

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

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

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

• **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

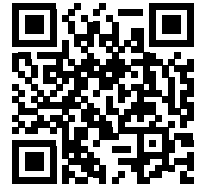
Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**
 HazWasteOnline Classification Engine Version: 2021.118.4757.9098 (28 Apr 2021)
 HazWasteOnline Database: 2021.118.4757.9098 (29 Apr 2021)

This classification utilises the following guidance and legislation:

- WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018
- CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
- 1st ATP** - Regulation 790/2009/EC of 10 August 2009
- 2nd ATP** - Regulation 286/2011/EC of 10 March 2011
- 3rd ATP** - Regulation 618/2012/EU of 10 July 2012
- 4th ATP** - Regulation 487/2013/EU of 8 May 2013
- Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
- 5th ATP** - Regulation 944/2013/EU of 2 October 2013
- 6th ATP** - Regulation 605/2014/EU of 5 June 2014
- WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
- Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
- 7th ATP** - Regulation 2015/1221/EU of 24 July 2015
- 8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
- 9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
- 10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
- HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
- 13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
- 14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
- 15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019** - UK: 2019 No. 720 of 27th March 2019
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
- The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
- POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

Waste Classification Report



6ZNQU-U2BBZ-TC7YY

Job name

21-70464_HWOL_Results

Description/Comments

Lab Certs 21-70464, 21-70789 & 21-71190

Project

14441

Site

Kettering Gateway Plot 4B

Related Documents

#	Name	Description
1	21-70464_HWOL_Results.hwol	.hwol file used to create the Job

Waste Stream Template

Hydrock Standard plus Cresol (ammended Lead)

Classified by

Name: Nathan Thompson	Company: Hydrock Consultants Ltd	HazWasteOnline™ Training Record:	
Date: 05 May 2021 12:00 GMT	Hawthorn Park	Course	Date
Telephone: 07557 345 513	Holdenby Road, Spratton	Hazardous Waste Classification	21 Apr 2021
	Northampton	Advanced Hazardous Waste Classification	22 Apr 2021
	NN6 8LD		

Report

Created by: Nathan Thompson
Created date: 05 May 2021 12:00 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01--20042021-0.50		Non Hazardous		3
2	WS02--20042021-0.60		Non Hazardous		6
3	WS03--20042021-1.40		Non Hazardous		8
4	WS04--20042021-0.20		Non Hazardous		10
5	WS05--20042021-0.60		Non Hazardous		13
6	WS06--20042021-0.70		Non Hazardous		15
7	WS07--20042021-0.40		Non Hazardous		17
8	WS08--20042021-0.60		Non Hazardous		20
9	WS17--20042021-0.10		Non Hazardous		22
10	WS18--20042021-0.40		Non Hazardous		24
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#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
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16	WS36--20042021-0.40		Non Hazardous		38
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18	WS38--20042021-0.70		Non Hazardous		43
19	WS39--20042021-0.30		Non Hazardous		45
20	WS40--20042021-0.20		Non Hazardous		48
21	WS43--20042021-0.80		Non Hazardous		50
22	WS49--20042021-0.80		Non Hazardous		52
23	WS50--20042021-0.90		Non Hazardous		55
24	WS51--20042021-0.10		Non Hazardous		57
25	WS53--20042021-0.60		Non Hazardous		59
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27	WS56--20042021-1.70		Non Hazardous		64
28	WS16--20042021-0.50		Non Hazardous		66
29	WS22--20042021-0.20		Non Hazardous		69
30	WS15--20042021-0.30		Non Hazardous		71
31	WS14--20042021-0.50		Non Hazardous		73
32	WS59--20042021-0.20		Non Hazardous		76
33	WS12--20042021-0.40		Non Hazardous		78
34	WS13--20042021-1.30		Non Hazardous		80
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Classification of sample: WS01--20042021-0.50

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

Sample details

Sample Name:	LoW Code:
WS01--20042021-0.50	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15% (wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	98 mg/kg	1.32	109.983 mg/kg	0.011 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.2 mg/kg	2.775	5.19 mg/kg	0.000519 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.566 mg/kg	0.000457 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		98 mg/kg	1.462	121.748 mg/kg	0.0122 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.9 mg/kg	1.126	9.474 mg/kg	0.000947 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		20.4 mg/kg	0.00204 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		120 mg/kg	1.579	161.109 mg/kg	0.0161 %	✓		
28	pH			PH		7.4 pH		7.4 pH	7.4 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		220 mg/kg	1.245	232.762 mg/kg	0.0233 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	303.481 mg/kg	0.0303 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0987 %			

Key

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

Classification of sample: WS02--20042021-0.60

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

Sample details

Sample Name:	WS02--20042021-0.60	LoW Code:	
Moisture content:	12% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	51 mg/kg	1.32	59.256 mg/kg	0.00593 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.8 mg/kg	2.775	6.838 mg/kg	0.000684 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	7.091 mg/kg	0.000709 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	180.064 mg/kg	0.018 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				17 mg/kg	1.126	16.843 mg/kg	0.00168 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	38 mg/kg		33.44 mg/kg	0.00334 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				52 mg/kg	1.579	72.278 mg/kg	0.00723 %	✓		
26	pH PH				7.3 pH		7.3 pH	7.3 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				170 mg/kg	1.245	186.209 mg/kg	0.0186 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				290 mg/kg	1.785	455.579 mg/kg	0.0456 %	✓		
Total:									0.103 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS03--20042021-1.40

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

Sample details

Sample Name:	WS03--20042021-1.40	LoW Code:	
Moisture content:	12% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	86 mg/kg	1.32	99.922 mg/kg	0.00999 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.1 mg/kg	2.775	12.456 mg/kg	0.00125 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.9 mg/kg	13.43	10.637 mg/kg	0.00106 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	180 mg/kg	1.462	231.51 mg/kg	0.0232 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	14.862	mg/kg	0.00149 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	38	mg/kg		33.44	mg/kg	0.00334 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				78	mg/kg	1.579	108.417	mg/kg	0.0108 %	✓	
26	pH PH				7.5	pH		7.5	pH	7.5 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				230	mg/kg	1.245	251.93	mg/kg	0.0252 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				400	mg/kg	1.785	628.385	mg/kg	0.0628 %	✓	
Total:										0.14 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS04--20042021-0.20

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

Sample details

Sample Name: WS04--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 12% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

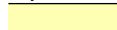



Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	44 mg/kg	1.32	51.123 mg/kg	0.00511 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.5 mg/kg	2.775	8.548 mg/kg	0.000855 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.2 mg/kg	13.43	2.364 mg/kg	0.000236 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	180 mg/kg	1.462	231.51 mg/kg	0.0232 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.899 mg/kg	0.00109 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	38 mg/kg		33.44 mg/kg	0.00334 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				56 mg/kg	1.579	77.838 mg/kg	0.00778 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				210 mg/kg	1.245	230.023 mg/kg	0.023 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				380 mg/kg	1.785	596.966 mg/kg	0.0597 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.126 %		

Key

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

Classification of sample: WS05--20042021-0.60

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

Sample details

Sample Name: WS05--20042021-0.60	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	63 mg/kg	1.32	72.367 mg/kg	0.00724 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.7 mg/kg	2.775	11.348 mg/kg	0.00113 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.337 mg/kg	0.000234 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		170 mg/kg	1.462	216.164 mg/kg	0.0216 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12	mg/kg	1.126	11.754	mg/kg	0.00118 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	40	mg/kg		34.8	mg/kg	0.00348 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				68	mg/kg	1.579	93.443	mg/kg	0.00934 %	✓	
26	pH PH				7.4	pH		7.4	pH	7.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				230	mg/kg	1.245	249.067	mg/kg	0.0249 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				370	mg/kg	1.785	574.651	mg/kg	0.0575 %	✓	
Total:										0.127 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS06--20042021-0.70

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

Sample details

Sample Name: WS06--20042021-0.70	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 15% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	32 mg/kg	1.32	35.913 mg/kg	0.00359 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.8 mg/kg	2.775	6.605 mg/kg	0.000661 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.566 mg/kg	0.000457 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		190 mg/kg	1.462	236.041 mg/kg	0.0236 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				6.6 mg/kg	1.126	6.316 mg/kg	0.000632 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36 mg/kg		30.6 mg/kg	0.00306 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				52 mg/kg	1.579	69.814 mg/kg	0.00698 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.2 pH		7.2 pH	7.2 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				210 mg/kg	1.245	222.181 mg/kg	0.0222 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				380 mg/kg	1.785	576.615 mg/kg	0.0577 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.12 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS07--20042021-0.40

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

Sample details

Sample Name: WS07--20042021-0.40	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	54 mg/kg	1.32	62.029 mg/kg	0.0062 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.2 mg/kg	2.775	5.312 mg/kg	0.000531 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.505 mg/kg	0.000351 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		97 mg/kg	1.462	123.341 mg/kg	0.0123 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.2 mg/kg	1.126	9.012 mg/kg	0.000901 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	29 mg/kg		25.23 mg/kg	0.00252 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		58 mg/kg	1.579	79.702 mg/kg	0.00797 %	✓		
28	pH			PH		7.2 pH		7.2 pH	7.2 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		240 mg/kg	1.245	259.896 mg/kg	0.026 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		180 mg/kg	1.785	279.56 mg/kg	0.028 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0866 %			

Key

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

Classification of sample: WS08--20042021-0.60

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

Sample details

Sample Name:	WS08--20042021-0.60	LoW Code:	
Moisture content:	11%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	40 mg/kg	1.32	47.004 mg/kg	0.0047 %	✔		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.5 mg/kg	2.775	6.175 mg/kg	0.000618 %	✔		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8 mg/kg	13.43	9.562 mg/kg	0.000956 %	✔		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	120 mg/kg	1.462	156.094 mg/kg	0.0156 %	✔		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	15.031	mg/kg	0.0015 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	31	mg/kg		27.59	mg/kg	0.00276 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				51	mg/kg	1.579	71.693	mg/kg	0.00717 %	✓	
26	pH PH				6.4	pH		6.4	pH	6.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				220	mg/kg	1.245	243.715	mg/kg	0.0244 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				260	mg/kg	1.785	413.092	mg/kg	0.0413 %	✓	
Total:										0.0998 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS17--20042021-0.10

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

Sample details

Sample Name:	LoW Code:
WS17--20042021-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
8.6%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	54 mg/kg	1.32	65.166 mg/kg	0.00652 %	✔		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.1 mg/kg	2.775	7.864 mg/kg	0.000786 %	✔		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.7 mg/kg	13.43	8.593 mg/kg	0.000859 %	✔		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	187.021 mg/kg	0.0187 %	✔		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				23 mg/kg	1.126	23.668 mg/kg	0.00237 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	44 mg/kg		40.216 mg/kg	0.00402 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				63 mg/kg	1.579	90.951 mg/kg	0.0091 %	✓		
26	pH PH				7.1 pH		7.1 pH	7.1 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200 mg/kg	1.245	227.534 mg/kg	0.0228 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				310 mg/kg	1.785	505.814 mg/kg	0.0506 %	✓		
Total:									0.116 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔍 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS18--20042021-0.40

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

Sample details

Sample Name:	LoW Code:
WS18--20042021-0.40	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
14%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

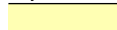



Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	130 mg/kg	1.32	147.612 mg/kg	0.0148 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.6 mg/kg	2.775	8.592 mg/kg	0.000859 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.775 mg/kg	0.000577 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	230 mg/kg	1.462	289.096 mg/kg	0.0289 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	9.683 mg/kg	0.000968 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	61 mg/kg		52.46 mg/kg	0.00525 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				97 mg/kg	1.579	131.762 mg/kg	0.0132 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				6.6 pH		6.6 pH	6.6 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				230 mg/kg	1.245	246.204 mg/kg	0.0246 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				500 mg/kg	1.785	767.63 mg/kg	0.0768 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.168 %		

Key

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

Classification of sample: WS19--20042021-0.60

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

Sample details

Sample Name: WS19--20042021-0.60	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 12% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	140 mg/kg	1.32	162.664 mg/kg	0.0163 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	6.3 mg/kg	2.775	15.387 mg/kg	0.00154 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.909 mg/kg	0.000591 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		230 mg/kg	1.462	295.819 mg/kg	0.0296 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12 mg/kg	1.126	11.889 mg/kg	0.00119 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	49 mg/kg		43.12 mg/kg	0.00431 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				100 mg/kg	1.579	138.996 mg/kg	0.0139 %	✓		
26	pH PH				7.1 pH		7.1 pH	7.1 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				320 mg/kg	1.245	350.511 mg/kg	0.0351 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				530 mg/kg	1.785	832.61 mg/kg	0.0833 %	✓		
Total:									0.186 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS20--20042021-0.20

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

Sample details

Sample Name: WS20--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	120 mg/kg	1.32	137.842 mg/kg	0.0138 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	8.5 mg/kg	2.775	20.524 mg/kg	0.00205 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.179 mg/kg	0.000818 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		240 mg/kg	1.462	305.173 mg/kg	0.0305 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				8.9 mg/kg	1.126	8.718 mg/kg	0.000872 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	55 mg/kg		47.85 mg/kg	0.00479 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				93 mg/kg	1.579	127.797 mg/kg	0.0128 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.1 pH		7.1 pH	7.1 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				370 mg/kg	1.245	400.673 mg/kg	0.0401 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				510 mg/kg	1.785	792.087 mg/kg	0.0792 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.186 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS21--20042021-0.20

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

Sample details

Sample Name: WS21--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	15 mg/kg	1.32	16.636 mg/kg	0.00166 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.7 mg/kg	2.775	13.288 mg/kg	0.00133 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		340 mg/kg	1.462	417.42 mg/kg	0.0417 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.4 mg/kg	1.126	8.89 mg/kg	0.000889 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	57 mg/kg		47.88 mg/kg	0.00479 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		100 mg/kg	1.579	132.678 mg/kg	0.0133 %	✓		
28	pH			PH		6 pH		6 pH	6pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		350 mg/kg	1.245	365.946 mg/kg	0.0366 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		650 mg/kg	1.785	974.711 mg/kg	0.0975 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.2 %			

Key

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

Classification of sample: WS23--20042021-0.20

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

Sample details

Sample Name:	LoW Code:
WS23--20042021-0.20	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	35 mg/kg	1.32	40.204 mg/kg	0.00402 %		✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.4 mg/kg	2.775	8.209 mg/kg	0.000821 %		✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	7.01 mg/kg	0.000701 %		✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	150 mg/kg	1.462	190.733 mg/kg	0.0191 %		✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				19	mg/kg	1.126	18.611	mg/kg	0.00186 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	35	mg/kg		30.45	mg/kg	0.00305 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				63	mg/kg	1.579	86.572	mg/kg	0.00866 %	✓	
26	pH PH				6.7	pH		6.7	pH	6.7 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200	mg/kg	1.245	216.58	mg/kg	0.0217 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				300	mg/kg	1.785	465.933	mg/kg	0.0466 %	✓	
Total:										0.107 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS24--20042021-0.80

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

Sample details

Sample Name: WS24--20042021-0.80	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	51.017 mg/kg	0.0051 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	6.6 mg/kg	2.775	15.387 mg/kg	0.00154 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.3 mg/kg	13.43	3.384 mg/kg	0.000338 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	360 mg/kg	1.462	441.974 mg/kg	0.0442 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12	mg/kg	1.126	11.349	mg/kg	0.00113 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	58	mg/kg		48.72	mg/kg	0.00487 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				96	mg/kg	1.579	127.371	mg/kg	0.0127 %	✓	
26	pH PH				6.8	pH		6.8	pH	6.8 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				350	mg/kg	1.245	365.946	mg/kg	0.0366 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				720	mg/kg	1.785	1079.68	mg/kg	0.108 %	✓	
Total:										0.215 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS36--20042021-0.40

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

Sample details

Sample Name: WS36--20042021-0.40	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 11% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

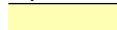



Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	54.054 mg/kg	0.00541 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.2 mg/kg	2.775	7.904 mg/kg	0.00079 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.976 mg/kg	0.000598 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	100 mg/kg	1.462	130.078 mg/kg	0.013 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	23.047 mg/kg	0.0023 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	37 mg/kg		32.93 mg/kg	0.00329 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				42 mg/kg	1.579	59.042 mg/kg	0.0059 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH		PH		7.5 pH		7.5 pH	7.5 pH		
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				170 mg/kg	1.245	188.325 mg/kg	0.0188 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentoxide; vanadium pentoxide }				250 mg/kg	1.785	397.204 mg/kg	0.0397 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0917 %		

Key

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

Classification of sample: WS37--20042021-0.70

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

Sample details

Sample Name:	LoW Code:
WS37--20042021-0.70	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
17%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	82 mg/kg	1.32	89.861 mg/kg	0.00899 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.8 mg/kg	2.775	4.146 mg/kg	0.000415 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.459 mg/kg	0.000446 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		87 mg/kg	1.462	105.539 mg/kg	0.0106 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<LOD
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	20 mg/kg		16.6 mg/kg	0.00166 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				51 mg/kg	1.579	66.86 mg/kg	0.00669 %	✓	
26	pH PH				7.4 pH		7.4 pH	7.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				130 mg/kg	1.245	134.305 mg/kg	0.0134 %	✓	
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				160 mg/kg	1.785	237.073 mg/kg	0.0237 %	✓	
Total:								0.0668 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS38--20042021-0.70

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

Sample details

Sample Name:	LoW Code:
WS38--20042021-0.70	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	93 mg/kg	1.32	101.916 mg/kg	0.0102 %	✓	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.3 mg/kg	2.775	5.298 mg/kg	0.00053 %	✓	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.459 mg/kg	0.000446 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	121.309 mg/kg	0.0121 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	13.083 mg/kg	0.00131 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21 mg/kg		17.43 mg/kg	0.00174 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				70 mg/kg	1.579	91.769 mg/kg	0.00918 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.4 pH		7.4 pH	7.4 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				130 mg/kg	1.245	134.305 mg/kg	0.0134 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				210 mg/kg	1.785	311.158 mg/kg	0.0311 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.0809 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS39--20042021-0.30

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

Sample details

Sample Name: WS39--20042021-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 18% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	55 mg/kg	1.32	59.547 mg/kg	0.00595 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2 mg/kg	2.775	4.552 mg/kg	0.000455 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.506 mg/kg	0.000551 %	✔	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		82 mg/kg	1.462	98.275 mg/kg	0.00983 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.3 mg/kg	1.126	3.97 mg/kg	0.000397 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	19 mg/kg		15.58 mg/kg	0.00156 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		47 mg/kg	1.579	60.874 mg/kg	0.00609 %	✓		
28	pH			PH		7.5 pH		7.5 pH	7.5 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		140 mg/kg	1.245	142.893 mg/kg	0.0143 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	292.77 mg/kg	0.0293 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0702 %			

Key

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

Classification of sample: WS40--20042021-0.20

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

Sample details

Sample Name:	WS40--20042021-0.20	LoW Code:	
Moisture content:	10% (wet weight correction)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	86 mg/kg	1.32	102.193 mg/kg	0.0102 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.6 mg/kg	2.775	8.992 mg/kg	0.000899 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	6.044 mg/kg	0.000604 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	180 mg/kg	1.462	236.772 mg/kg	0.0237 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12 mg/kg	1.126	12.16 mg/kg	0.00122 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	46 mg/kg		41.4 mg/kg	0.00414 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				79 mg/kg	1.579	112.302 mg/kg	0.0112 %	✓		
26	pH PH				7.4 pH		7.4 pH	7.4 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				220 mg/kg	1.245	246.453 mg/kg	0.0246 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				380 mg/kg	1.785	610.533 mg/kg	0.0611 %	✓		
Total:									0.138 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS43--20042021-0.80

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

Sample details

Sample Name:	LoW Code:
WS43--20042021-0.80	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
17%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	130 mg/kg	1.32	142.463 mg/kg	0.0142 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.6 mg/kg	2.775	3.686 mg/kg	0.000369 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6 mg/kg	13.43	6.688 mg/kg	0.000669 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	100 mg/kg	1.462	121.309 mg/kg	0.0121 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				11	mg/kg	1.126	10.279	mg/kg	0.00103 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21	mg/kg		17.43	mg/kg	0.00174 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				47	mg/kg	1.579	61.616	mg/kg	0.00616 %	✓	
26	pH PH				7.2	pH		7.2	pH	7.2 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				150	mg/kg	1.245	154.967	mg/kg	0.0155 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				160	mg/kg	1.785	237.073	mg/kg	0.0237 %	✓	
Total:										0.0764 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS49--20042021-0.80

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

Sample details

Sample Name: WS49--20042021-0.80	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

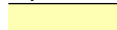



Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	87 mg/kg	1.32	96.489 mg/kg	0.00965 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.4 mg/kg	2.775	3.264 mg/kg	0.000326 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.512 mg/kg	0.000451 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	122.771 mg/kg	0.0123 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.403 mg/kg	0.00104 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		15.96 mg/kg	0.0016 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				34 mg/kg	1.579	45.111 mg/kg	0.00451 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH				6.9 pH		6.9 pH	6.9 pH		
			PH							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				97 mg/kg	1.245	101.419 mg/kg	0.0101 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
37	vanadium { divanadium pentoxide; vanadium pentoxide }				150 mg/kg	1.785	224.933 mg/kg	0.0225 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0643 %		

Key

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

Classification of sample: WS50--20042021-0.90

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

Sample details

Sample Name:	LoW Code:
WS50--20042021-0.90	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
16%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	46 mg/kg	1.32	51.017 mg/kg	0.0051 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.7 mg/kg	2.775	3.963 mg/kg	0.000396 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.512 mg/kg	0.000451 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		97 mg/kg	1.462	119.088 mg/kg	0.0119 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				8.9 mg/kg	1.126	8.417 mg/kg	0.000842 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21 mg/kg		17.64 mg/kg	0.00176 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				40 mg/kg	1.579	53.071 mg/kg	0.00531 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				6.8 pH		6.8 pH	6.8 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				120 mg/kg	1.245	125.467 mg/kg	0.0125 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				220 mg/kg	1.785	329.902 mg/kg	0.033 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.0721 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS51--20042021-0.10

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

Sample details

Sample Name: WS51--20042021-0.10	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 9.5% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 9.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	81 mg/kg	1.32	96.786 mg/kg	0.00968 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.2 mg/kg	2.775	3.014 mg/kg	0.000301 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.6 mg/kg	13.43	19.447 mg/kg	0.00194 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		44 mg/kg	1.462	58.199 mg/kg	0.00582 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	16.303 mg/kg	0.00163 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		13.575 mg/kg	0.00136 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				33 mg/kg	1.579	47.172 mg/kg	0.00472 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.3 pH		7.3 pH	7.3 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				120 mg/kg	1.245	135.176 mg/kg	0.0135 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				77 mg/kg	1.785	124.401 mg/kg	0.0124 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.0522 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS53--20042021-0.60

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

Sample details

Sample Name: WS53--20042021-0.60	LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 16% (wet weight correction)	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	71 mg/kg	1.32	78.744 mg/kg	0.00787 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	4.896 mg/kg	0.00049 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.256 mg/kg	0.000226 %	✔	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		87 mg/kg	1.462	106.81 mg/kg	0.0107 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.5 mg/kg	1.126	8.039 mg/kg	0.000804 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		20.16 mg/kg	0.00202 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		48 mg/kg	1.579	63.685 mg/kg	0.00637 %	✓		
28	pH			PH		7.3 pH		7.3 pH	7.3 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		97 mg/kg	1.245	101.419 mg/kg	0.0101 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		200 mg/kg	1.785	299.911 mg/kg	0.03 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:									0.0704 %			

Key

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

Classification of sample: WS54--20042021-0.20

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

Sample details

Sample Name: WS54--20042021-0.20	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	82 mg/kg	1.32	94.192 mg/kg	0.00942 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.9 mg/kg	2.775	4.588 mg/kg	0.000459 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	90 mg/kg	1.462	114.44 mg/kg	0.0114 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				7.4 mg/kg	1.126	7.248 mg/kg	0.000725 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	27 mg/kg		23.49 mg/kg	0.00235 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				44 mg/kg	1.579	60.463 mg/kg	0.00605 %	✓		
26	pH PH				7 pH		7 pH	7pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				190 mg/kg	1.245	205.751 mg/kg	0.0206 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				190 mg/kg	1.785	295.091 mg/kg	0.0295 %	✓		
Total:									0.0819 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS56--20042021-1.70

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

Sample details

Sample Name:	WS56--20042021-1.70	LoW Code:	
Moisture content:	15%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	110 mg/kg	1.32	123.45 mg/kg	0.0123 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	4.954 mg/kg	0.000495 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.3 mg/kg	13.43	3.425 mg/kg	0.000342 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	93 mg/kg	1.462	115.536 mg/kg	0.0116 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				8.8 mg/kg	1.126	8.422 mg/kg	0.000842 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21 mg/kg		17.85 mg/kg	0.00179 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				59 mg/kg	1.579	79.212 mg/kg	0.00792 %	✓		
26	pH PH				6.6 pH		6.6 pH	6.6 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				140 mg/kg	1.245	148.121 mg/kg	0.0148 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				200 mg/kg	1.785	303.481 mg/kg	0.0303 %	✓		
Total:									0.0812 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS16--20042021-0.50

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

Sample details

Sample Name:	LoW Code:
WS16--20042021-0.50	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
10%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

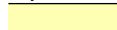



Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	64 mg/kg	1.32	76.051 mg/kg	0.00761 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.6 mg/kg	2.775	11.49 mg/kg	0.00115 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	10.878 mg/kg	0.00109 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		180 mg/kg	1.462	236.772 mg/kg	0.0237 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	14.186 mg/kg	0.00142 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	44 mg/kg		39.6 mg/kg	0.00396 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				66 mg/kg	1.579	93.822 mg/kg	0.00938 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH		PH		6.9 pH		6.9 pH	6.9 pH		
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				220 mg/kg	1.245	246.453 mg/kg	0.0246 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentoxide; vanadium pentoxide }				420 mg/kg	1.785	674.8 mg/kg	0.0675 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.142 %		

Key

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

Classification of sample: WS22--20042021-0.20

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

Sample details

Sample Name:	LoW Code:
WS22--20042021-0.20	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
9.3%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 9.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	41 mg/kg	1.32	49.099 mg/kg	0.00491 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.6 mg/kg	2.775	6.545 mg/kg	0.000654 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.745 mg/kg	0.000974 %	✔	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		85 mg/kg	1.462	112.679 mg/kg	0.0113 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	13.275 mg/kg	0.00133 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
22	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27 mg/kg		24.489 mg/kg	0.00245 %	✓		
	082-001-00-6										
23	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
24	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
25	nickel { nickel dihydroxide }				36 mg/kg	1.579	51.574 mg/kg	0.00516 %	✓		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
26	pH				7.5 pH		7.5 pH	7.5 pH			
			PH								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
28	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD	
	034-002-00-8										
30	zinc { zinc oxide }				130 mg/kg	1.245	146.764 mg/kg	0.0147 %	✓		
	030-013-00-7	215-222-5	1314-13-2								
31	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
			P1186								
32	vanadium { divanadium pentaoxide; vanadium pentoxide }				190 mg/kg	1.785	307.641 mg/kg	0.0308 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
Total:									0.073 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS15--20042021-0.30

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

Sample details

Sample Name: WS15--20042021-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 8.3% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified


Determinands

Moisture content: 8.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	76 mg/kg	1.32	92.016 mg/kg	0.0092 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	5.9 mg/kg	2.775	15.015 mg/kg	0.0015 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.389 mg/kg	0.000739 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		200 mg/kg	1.462	268.049 mg/kg	0.0268 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				13 mg/kg	1.126	13.422 mg/kg	0.00134 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	47 mg/kg		43.099 mg/kg	0.00431 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				79 mg/kg	1.579	114.424 mg/kg	0.0114 %	✓		
26	pH PH				7.3 pH		7.3 pH	7.3 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				260 mg/kg	1.245	296.765 mg/kg	0.0297 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				440 mg/kg	1.785	720.286 mg/kg	0.072 %	✓		
Total:									0.158 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS14--20042021-0.50

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

Sample details

Sample Name: WS14--20042021-0.50	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	50 mg/kg	1.32	57.434 mg/kg	0.00574 %	✔	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.5 mg/kg	2.775	6.036 mg/kg	0.000604 %	✔	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		150 mg/kg	1.462	190.733 mg/kg	0.0191 %	✔	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.3 mg/kg	1.126	9.11 mg/kg	0.000911 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	30 mg/kg		26.1 mg/kg	0.00261 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		88 mg/kg	1.579	120.926 mg/kg	0.0121 %	✓		
28	pH			PH		7.2 pH		7.2 pH	7.2 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		190 mg/kg	1.245	205.751 mg/kg	0.0206 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		300 mg/kg	1.785	465.933 mg/kg	0.0466 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:										0.11 %		

Key

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

Classification of sample: WS59--20042021-0.20

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

Sample details

Sample Name:	WS59--20042021-0.20	LoW Code:	
Moisture content:	12%	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(wet weight correction)		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	50 mg/kg	1.32	58.094 mg/kg	0.00581 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.1 mg/kg	2.775	7.571 mg/kg	0.000757 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8 mg/kg	13.43	9.455 mg/kg	0.000945 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	140 mg/kg	1.462	180.064 mg/kg	0.018 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	14.862	mg/kg	0.00149 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	42	mg/kg		36.96	mg/kg	0.0037 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				57	mg/kg	1.579	79.228	mg/kg	0.00792 %	✓	
26	pH PH				7.4	pH		7.4	pH	7.4 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				200	mg/kg	1.245	219.07	mg/kg	0.0219 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				320	mg/kg	1.785	502.708	mg/kg	0.0503 %	✓	
Total:										0.112 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🧪 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS12--20042021-0.40

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

Sample details

Sample Name: WS12--20042021-0.40	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	62 mg/kg	1.32	71.218 mg/kg	0.00712 %	✓		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.3 mg/kg	2.775	10.383 mg/kg	0.00104 %	✓		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	240 mg/kg	1.462	305.173 mg/kg	0.0305 %	✓		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				20	mg/kg	1.126	19.59	mg/kg	0.00196 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	51	mg/kg		44.37	mg/kg	0.00444 %	✓	
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				84	mg/kg	1.579	115.43	mg/kg	0.0115 %	✓	
26	pH PH				6.5	pH		6.5	pH	6.5 pH		
27	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				310	mg/kg	1.245	335.699	mg/kg	0.0336 %	✓	
31	monohydric phenols P1186				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				510	mg/kg	1.785	792.087	mg/kg	0.0792 %	✓	
Total:										0.171 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- 🔗 Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS13--20042021-1.30

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

Sample details

Sample Name:	LoW Code:	
WS13--20042021-1.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)		

Hazard properties

None identified

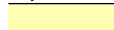



Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	68 mg/kg	1.32	78.11 mg/kg	0.00781 %	✓		
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.1 mg/kg	2.775	5.071 mg/kg	0.000507 %	✓		
12	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %			<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }			215-160-9	100 mg/kg	1.462	127.155 mg/kg	0.0127 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
16	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
17	copper { dicopper oxide; copper (I) oxide }				4.3 mg/kg	1.126	4.212 mg/kg	0.000421 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
19	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
20	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
22	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
23	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22 mg/kg		19.14 mg/kg	0.00191 %	✓	
	082-001-00-6									
25	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
26	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
27	nickel { nickel dihydroxide }				66 mg/kg	1.579	90.695 mg/kg	0.00907 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
28	pH		PH		7.4 pH		7.4 pH	7.4 pH		
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
32	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
33	TPH (C6 to C40) petroleum group		TPH		57 mg/kg		49.59 mg/kg	0.00496 %	✓	
34	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
35	zinc { zinc oxide }				160 mg/kg	1.245	173.264 mg/kg	0.0173 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
36	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	vanadium { divanadium pentoxide; vanadium pentoxide }				200 mg/kg	1.785	310.622 mg/kg	0.0311 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
Total:								0.0872 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free TPH. Unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00496%)

Classification of sample: WS25--20042021-0.30

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

Sample details

Sample Name:	LoW Code:
WS25--20042021-0.30	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12% (wet weight correction)	

Hazard properties

None identified


Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	56 mg/kg	1.32	65.066 mg/kg	0.00651 %	✔	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	4.7 mg/kg	2.775	11.479 mg/kg	0.00115 %	✔	
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		240 mg/kg	1.462	308.681 mg/kg	0.0309 %	✔	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				16 mg/kg	1.126	15.853 mg/kg	0.00159 %	✓		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	49 mg/kg		43.12 mg/kg	0.00431 %	✓		
23	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
24	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				74 mg/kg	1.579	102.857 mg/kg	0.0103 %	✓		
26	pH PH				7.3 pH		7.3 pH	7.3 pH			
27	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				290 mg/kg	1.245	317.651 mg/kg	0.0318 %	✓		
31	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
32	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				500 mg/kg	1.785	785.481 mg/kg	0.0785 %	✓		
Total:									0.166 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
-  Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS41--20042021-0.70

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

Sample details

Sample Name: WS41--20042021-0.70	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 13% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified





Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	41 mg/kg	1.32	47.096 mg/kg	0.00471 %	✓	
5	benzene	601-020-00-8	200-753-7	71-43-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.6 mg/kg	2.775	6.278 mg/kg	0.000628 %	✓	
12	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.842 mg/kg	0.000584 %	✓	
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		100 mg/kg	1.462	127.155 mg/kg	0.0127 %	✓	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
16	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
17	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	19.59 mg/kg	0.00196 %	✓		
18	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
19	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
20	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
21	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	34 mg/kg		29.58 mg/kg	0.00296 %	✓		
25	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
26	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		46 mg/kg	1.579	63.212 mg/kg	0.00632 %	✓		
28	pH			PH		7.8 pH		7.8 pH	7.8 pH			
29	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
33	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %			<LOD
35	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		150 mg/kg	1.245	162.435 mg/kg	0.0162 %	✓		
36	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
37	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		220 mg/kg	1.785	341.684 mg/kg	0.0342 %	✓		
38	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
Total:										0.0821 %		

Key

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

Appendix A: Classifier defined and non CLP determinands

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride

Data source: N/A

Data source date: 06 Aug 2015

Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

CLP index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

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

• **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

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

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

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

• **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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

Worst case species

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements.

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**
 HazWasteOnline Classification Engine Version: 2021.118.4757.9098 (28 Apr 2021)
 HazWasteOnline Database: 2021.118.4757.9098 (29 Apr 2021)

This classification utilises the following guidance and legislation:

- WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018
- CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
- 1st ATP** - Regulation 790/2009/EC of 10 August 2009
- 2nd ATP** - Regulation 286/2011/EC of 10 March 2011
- 3rd ATP** - Regulation 618/2012/EU of 10 July 2012
- 4th ATP** - Regulation 487/2013/EU of 8 May 2013
- Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
- 5th ATP** - Regulation 944/2013/EU of 2 October 2013
- 6th ATP** - Regulation 605/2014/EU of 5 June 2014
- WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
- Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
- 7th ATP** - Regulation 2015/1221/EU of 24 July 2015
- 8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
- 9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
- 10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
- HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
- 13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
- 14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
- 15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019** - UK: 2019 No. 720 of 27th March 2019
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
- The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
- POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

WAC Data



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Analytical Report Number : 21-71191

Project / Site name:	Kettering Gateway	Samples received on:	22/04/2021
Your job number:	C-14441-C	Samples instructed on/ Analysis started on:	27/04/2021
Your order number:	PO06401	Analysis completed by:	04/05/2021
Report Issue Number:	1	Report issued on:	04/05/2021
Samples Analysed:	2 10:1 WAC samples		

Signed: *Karolina Marek*

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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



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Waste Acceptance Criteria Analytical Results							
Report No:	21-71191						
				Client: HYDROCK			
Location		Kettering Gateway					
Lab Reference (Sample Number)		1850845 / 1850846			Landfill Waste Acceptance Criteria		
Sampling Date		22/04/2021			Limits		
Sample ID		WS28			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)		0.50					
Solid Waste Analysis							
TOC (%)**	< 0.1				3%	5%	6%
Loss on Ignition (%) **	4.6				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg)	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	7.0				--	>6	--
Acid Neutralisation Capacity (mol / kg)	0.00				--	To be evaluated	To be evaluated
Eluate Analysis							
	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0088			0.0727	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	< 0.0004			< 0.0040	0.5	10	70
Copper *	0.0027			0.023	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0019			0.0155	0.5	10	30
Nickel *	0.0029			0.024	0.4	10	40
Lead *	0.0012			0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0061			0.050	4	50	200
Chloride *	1.9			16	800	15000	25000
Fluoride	0.35			2.9	10	150	500
Sulphate *	8.3			69	1000	20000	50000
TDS*	27			220	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	4.81			39.8	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	1.0						
Dry Matter (%)	83						
Moisture (%)	17						
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)							
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation. ** = MCERTS accredited							
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							

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Waste Acceptance Criteria Analytical Results							
Report No:	21-71191						
				Client: HYDROCK			
Location		Kettering Gateway					
Lab Reference (Sample Number)		1850847 / 1850848			Landfill Waste Acceptance Criteria		
Sampling Date		22/04/2021			Limits		
Sample ID		WS44			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)		0.30					
Solid Waste Analysis							
TOC (%)**	< 0.1				3%	5%	6%
Loss on Ignition (%) **	2.7				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg)	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85				100	--	--
pH (units)**	7.5				--	>6	--
Acid Neutralisation Capacity (mol / kg)	0.69				--	To be evaluated	To be evaluated
Eluate Analysis							
	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0042			0.0360	0.5	2	25
Barium *	0.0063			0.0542	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0011			0.0095	0.5	10	70
Copper *	0.0035			0.030	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0009			0.0075	0.5	10	30
Nickel *	0.0027			0.023	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0037			0.032	4	50	200
Chloride *	1.8			16	800	15000	25000
Fluoride	0.39			3.4	10	150	500
Sulphate *	6.2			53	1000	20000	50000
TDS*	25			210	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	4.55			39.1	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	1.0						
Dry Matter (%)	84						
Moisture (%)	16						
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)							
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation. ** = MCERTS accredited							
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.							
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



Analytical Report Number : 21-71191
Project / Site name: Kettering Gateway

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1850845	WS28	None Supplied	0.5	Brown clay and sand with gravel.
1850847	WS44	None Supplied	0.3	Brown clay and sand with gravel.

Analytical Report Number : 21-71191
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance"	L046-PL	W	NONE
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D	NONE
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073-PL	W	MCERTS
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil"	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by electrometric measurement.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004-PL	W	ISO 17025

Analytical Report Number : 21-71191
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



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Analytical Report Number : 21-70472

Project / Site name:	Kettering Gateway	Samples received on:	22/04/2021
Your job number:	C 14441 C	Samples instructed on/ Analysis started on:	22/04/2021
Your order number:	PO06401	Analysis completed by:	29/04/2021
Report Issue Number:	1	Report issued on:	29/04/2021
Samples Analysed:	3 10:1 WAC samples		

Signed:

Rachel Bradley
Deputy Quality Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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Waste Acceptance Criteria Analytical Results						
Report No:	21-70472					
				Client: HYDROCK		
Location	Kettering Gateway					
Lab Reference (Sample Number)	1846656 / 1846657			Landfill Waste Acceptance Criteria		
Sampling Date	20/04/2021			Limits		
Sample ID	WS17			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.10					
Solid Waste Analysis						
TOC (%)**	0.5			3%	5%	6%
Loss on Ignition (%) **	6.1			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg)	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.0			--	>6	--
Acid Neutralisation Capacity (mol / kg)	0.00			--	To be evaluated	To be evaluated
Eluate Analysis						
	10:1		10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0102		0.0907	0.5	2	25
Barium *	0.0140		0.125	20	100	300
Cadmium *	< 0.0001		< 0.0008	0.04	1	5
Chromium *	0.0064		0.057	0.5	10	70
Copper *	0.0070		0.063	2	50	100
Mercury *	< 0.0005		< 0.0050	0.01	0.2	2
Molybdenum *	0.0034		0.0307	0.5	10	30
Nickel *	0.0037		0.033	0.4	10	40
Lead *	0.0017		0.015	0.5	10	50
Antimony *	< 0.0017		< 0.017	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.0084		0.075	4	50	200
Chloride *	2.0		18	800	15000	25000
Fluoride	0.18		1.6	10	150	500
Sulphate *	9.4		84	1000	20000	50000
TDS*	33		290	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	16.9		150	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	0.70					
Dry Matter (%)	91					
Moisture (%)	8.6					
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)						
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation ** = MCERTS accredited						
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.						

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Waste Acceptance Criteria Analytical Results						
Report No:	21-70472					
				Client: HYDROCK		
Location	Kettering Gateway					
Lab Reference (Sample Number)	1846658 / 1846659			Landfill Waste Acceptance Criteria		
Sampling Date	20/04/2021			Limits		
Sample ID	WS37			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.70					
Solid Waste Analysis						
TOC (%)**	< 0.1			3%	5%	6%
Loss on Ignition (%) **	5.1			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg)	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.3			--	>6	--
Acid Neutralisation Capacity (mol / kg)	0.35			--	To be evaluated	To be evaluated
Eluate Analysis						
	10:1		10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	< 0.0010		< 0.0100	0.5	2	25
Barium *	0.0052		0.0434	20	100	300
Cadmium *	< 0.0001		< 0.0008	0.04	1	5
Chromium *	0.0006		0.0051	0.5	10	70
Copper *	0.0014		0.012	2	50	100
Mercury *	< 0.0005		< 0.0050	0.01	0.2	2
Molybdenum *	0.0020		0.0166	0.5	10	30
Nickel *	0.0017		0.014	0.4	10	40
Lead *	< 0.0010		< 0.010	0.5	10	50
Antimony *	< 0.0017		< 0.017	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.0060		0.050	4	50	200
Chloride *	2.7		22	800	15000	25000
Fluoride	0.43		3.6	10	150	500
Sulphate *	8.1		67	1000	20000	50000
TDS*	30		250	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	10.2		84.9	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	1.0					
Dry Matter (%)	83					
Moisture (%)	17					
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)						
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation ** = MCERTS accredited						
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.						

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Waste Acceptance Criteria Analytical Results						
Report No:	21-70472					
				Client: HYDROCK		
Location	Kettering Gateway					
Lab Reference (Sample Number)	1846660 / 1846661			Landfill Waste Acceptance Criteria		
Sampling Date	20/04/2021			Limits		
Sample ID	WS51			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.10					
Solid Waste Analysis						
TOC (%)**	1.9			3%	5%	6%
Loss on Ignition (%) **	4.2			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg)	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.7			--	>6	--
Acid Neutralisation Capacity (mol / kg)	8.0			--	To be evaluated	To be evaluated
Eluate Analysis						
	10:1		10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0036		0.0332	0.5	2	25
Barium *	0.0191		0.175	20	100	300
Cadmium *	< 0.0001		< 0.0008	0.04	1	5
Chromium *	< 0.0004		< 0.0040	0.5	10	70
Copper *	0.0043		0.040	2	50	100
Mercury *	< 0.0005		< 0.0050	0.01	0.2	2
Molybdenum *	0.0026		0.0234	0.5	10	30
Nickel *	0.015		0.14	0.4	10	40
Lead *	< 0.0010		< 0.010	0.5	10	50
Antimony *	< 0.0017		< 0.017	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.0066		0.060	4	50	200
Chloride *	11		100	800	15000	25000
Fluoride	0.21		1.9	10	150	500
Sulphate *	310		2900	1000	20000	50000
TDS*	330		3000	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	5.56		51.0	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	0.50					
Dry Matter (%)	91					
Moisture (%)	9.5					
Results are expressed on a dry weight basis, after correction for moisture content where applicable. *= UKAS accredited (liquid eluate analysis only)						
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation. ** = MCERTS accredited						
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.						



Analytical Report Number : 21-70472
Project / Site name: Kettering Gateway

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1846656	WS17	None Supplied	0.1	Brown clay and sand with gravel and vegetation.
1846658	WS37	None Supplied	0.7	Brown sandy clay with gravel.
1846660	WS51	None Supplied	0.1	Light grey sandy clay.

Analytical Report Number : 21-70472
Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance""	L046-PL	W	NONE
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D	NONE
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073-PL	W	MCERTS
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by electrometric measurement.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004-PL	W	ISO 17025

Analytical Report Number : 21-70472
 Project / Site name: Kettering Gateway

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Appendix F

Plausible Source-Pathway-Receptor Contaminant Linkages

Summary of Potential Contaminant Linkages

Table K.2 lists the plausible contaminant linkages which have been identified. These are considered as potentially unacceptable risks in line with guidelines published in CLR 11 and additional risk assessment is required.

Source – Pathway – Receptor Linkages have been assessed in general accordance with guidance in CIRIA Report C552 (Rudland et al 2001) but with the addition of a ‘no linkage’ category (See Table K.1). More details are given in the relevant Hydrock methodology, referenced in Appendix G, including descriptions of typical examples of probability and consequences.

It should be noted that whilst the risk assessment process undertaken in this report may identify potential risks to site demolition and redevelopment workers, consideration of occupational health and safety issues is beyond the scope of this report and need to be considered separately in the Construction Phase Health and Safety Plan.

Table K.1: Consequence versus probability assessment.

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Low risk	Very low risk
	Low likelihood	Moderate risk	Low risk	Low risk	Very low risk
	Unlikely	Low risk	Very low risk	Very low risk	Very low risk
	No linkage	No risk			

Table K.2: Exposure model – preliminary risk assessment of source-pathway-receptor contaminant linkages

Sources	Possible Pathways	Receptors	Probability	Consequence	Risk Level	Comments
Radon gas	Inhalation	Site Users	Likely	Medium	Moderate	Full Radon protection required in accordance with BR211. This will likely comprise the use of an enhanced DPM providing full radon protection in conjunction with supplementary protection in the form of the provision for future subfloor depressurisation (radon sump and associated pipework). Further guidance is provided in BR211 Chapter 5 to which the Designer should refer in the first instance.

Appendix G

Hydrock Methodologies

This report uses Hydrock Desk Study and Site Investigation template V46.1.

This appendix provides additional background information on certain approaches and methods used by Hydrock Consultants Limited in the preparation of this report.

The following Hydrock Methodologies apply to this report. These are not included, but are available on request by quoting the methodology reference, revision and date.

Reference	Name	Revision	Date
002	Site Investigation	001	30/07/2018
003	Preliminary Geo-environmental Risk Assessment Rationale	001	30/07/2018
005	Generic Risk Assessment for Human Health (Soils)	001	30/07/2018
008	Generic Risk Assessment for Risk to Plants	001	30/07/2018
009	Generic Risk Assessment for Water Supply Pipes	001	30/07/2018
010	Generic Ground Gas Risk Assessment	001	30/07/2018
011	Determination of Contaminated Land Under Part 2A of the Environmental Protection Act 1990	001	30/07/2018
012	Waste Management	001	30/07/2018
014	Asbestos in Soils	001	30/07/2018
015	Remediation and Mitigation (New Methodology)	001	30/07/2018