







EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

Phase 2 GeoEnvironmental Ground Investigation Report

342 Slade Lane

Manchester

April 2026

On behalf of

D Woodman Developments Ltd

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INTERIM PHASE 2 GEOENVIRONMENTAL GROUND INVESTIGATION REPORT

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1.0 INTRODUCTION

1.1 Background

A site investigation has been commissioned by D Woodman Developments Ltd (the Client) to examine ground conditions for a proposed new development at 342 Slade Lane, Levenshulme.

This report should be read in conjunction with the previous Phase 1 report, *"Contaminated Land Phase One Desk Study for proposed residential development on land at 342 Slade Lane, Manchester, M19 2BX, by MES, dated May 2024.*

1.2 Terms of Reference

The Client has commissioned Earth Environmental & Geotechnical Ltd (EEG) to undertake a site investigation in accordance with proposal A7056/25 dated 3rd September 2025. The objectives of this investigation are as follows:

- *Provide factual information on the work undertaken, including sampling location plan, borehole logs, geotechnical and chemical testing.*
- *Tier 1 (semi-quantitative) risk assessment will be undertaken. This will compare the concentrations of soil contaminants identified against current and appropriate published guidelines, in relation to identified receptors, e.g., existing/ future end users and site neighbours.*
- *Classification of soils for off-site disposal.*

1.3 Report Scope

This report presents complete factual records of the site work carried out, the ground conditions encountered in the exploratory holes, and the in situ and laboratory test results. All collected information has been used to interpret the ground conditions and to provide recommendations on geotechnical design and potential risks of ground contamination for the proposed development.

1.4 Limitations of the Study

The report is written within the agreed scope of work and budget and should not be used in a different context. New information, improved practices or changes in legislation may require a reinterpretation of the report in whole or in part. EEG reserves the right to amend either conclusions or recommendations in light of any further information that may become available. The report is provided solely for the client's use and is confidential to them.

Recommendations within this report are also based on exploratory records and examination of samples and, where applicable, laboratory tests. No liability can be accepted for conditions not revealed by the boreholes, particularly at intervening locations. Whilst every effort is made to ensure the accuracy of the data supplied, all opinions expressed regarding the spatial distribution of strata between sampling locations are for guidance only, and no responsibility is accepted for their accuracy.

2.0 SITE LOCATION & DESCRIPTION

The site (0.1 hectares) is currently occupied by a disused car garage and associated hardstanding.

The approximate National Grid Reference for the centre of the site is SJ 86829 93974 (X: 386829, Y: 393974) with the nearest postcode being M19 2BN.

The site is an irregular parcel of land with maximum dimensions of approximately 39m east-west and 48m northeast-southwest.

The site comprises a disused car sales garage, with associated small outbuildings and hardstanding areas.

Access to the site can be gained via heras fencing to the east of the site.

The site is situated in a residential area approximately 500m southwest of Levenshulme Train Station.

The site location is shown in the aerial photograph presented as Figure 1.

Figure 1: Site Location Plan



General site photographs are presented in Figure 2 overleaf.

Figure 2: General Site Photographs

Photograph facing north, showing the east of the site



Photograph facing east, showing the north of the site



2.1 Proposed Development

It is understood that the client proposes to construct a 5no. residential properties across the site with associated hard and soft landscaping areas.

The proposed development layout details are shown in Figure 3 overleaf.

Figure 3: Proposed Development Plan



3.0 SITE INVESTIGATION

3.1 Exploratory Fieldwork

The fieldwork was carried out by EEG on the 26th March 2026 and comprised:

- 5no. window sample boreholes (designated BH1 to BH5) were sunk to a maximum depth of 4.00m below the existing ground level. The boreholes were targeted to reach 5.00m bgl; however, all locations were terminated early due to SPT refusals in very stiff clay. Exploratory hole logs are included in Appendix 1.

- Standard Penetration Tests (SPTs) were undertaken in the borehole in accordance with BS EN ISO 22476-3.

- Groundwater observations were noted where possible. These observations pertain only to the time of the investigation and do not necessarily reflect seasonal fluctuations.

Exploratory hole locations were selected by EEG Ltd prior to the site works, based on the proposed development, and to avoid known services.

Each exploratory location was scanned with a Cable Avoidance Tool (CAT) to locate unrecorded underground services, and the locations were repositioned where necessary.

Table 1 below outlines the targeted features.

Table 1: Sampling Location Justification

Exploratory Hole	Sampling Location
BH1 – BH5	Within the accessible area of the current development

On completion, samples recovered from the site were taken to specialist laboratories for chemical and geotechnical testing.

Soil samples were recovered in 250g glass amber jars and 1kg plastic tubs. If collection was not possible the same day, then samples were stored in the sample storage at the EEG offices below 4˚C.

Samples were tracked using the appropriate Chain of Custody forms provided by DETS.

It should be noted that hexavalent chromium soil is analysed using the USEPA-recommended method of alkaline leach. This method limits chromium(VI) reduction to chromium(III).

All site investigation work was supervised full-time by an EEG representative. The logging of soils and rocks has been carried out in accordance with BS5930(2015+A1:2020) except where superseded by the soil and rock description methodology in BS EN14688-1(2002), BS EN 14688-2(2004) and BS EN 14689-1(2003).

The descriptive terminology, such as firm, etc., formerly used in older versions of BS5930 to describe strength, now relates solely to consistency. Shear strength is now defined in relation to

results obtained in the field (using a hand vane, for example) or in the laboratory (from triaxial tests), as detailed in Table 2 below.

Table 2: Shear Strength Definitions

Term based on measurement	Undrained Strength (c_u) definition in kN/m² (from BS EN ISO 14688-2: 2004, 5.3, Table 5)
Extremely Low Strength	<10
Very Low Strength	10 to 20
Low Strength	20 to 40
Medium Strength	40 to 75
High Strength	75 to 150
Very High Strength	150 to 300
Extremely High Strength	300 to 600

A summary of exploratory holes and tests conducted during the investigation is presented in Table 3.

Table 3: Summary of Exploratory Holes Undertaken

Hole/ Test	Type*	Depth (m)	Date Started	Date Finished	Easting (m)	Northing (m)	Backfill Details**
BH1	WS	4.60	26/03/26	26/03/26	386834	393967	A
BH2	WS	3.00	26/03/26	26/03/26	386838	393978	A
BH3	WS	2.50	26/03/26	26/03/26	386841	393989	A
BH4	WS	4.50	26/03/26	26/03/26	386826	393983	A
BH5	WS	3.70	26/03/26	26/03/26	386817	393979	A
*WS = Window Sample Borehole ** A = Arisings							

An Exploratory Hole Location Plan is presented as Figure 4, overleaf.

Figure 4: Exploratory Hole Location Plan



3.2 Laboratory Testing

3.2.1 Environmental Testing

The environmental chemistry of the ground was investigated through specialist chemical analysis of selected samples, scheduled by EEG and carried out by Normec DETS, a UKAS and MCERTS-accredited laboratory.

Chemical analyses were carried out on 5no. soil samples which were submitted for the following suite of determinants:

Asbestos Screen, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Vanadium, Zinc, Cyanide, Phenol, Sulphate (SO_4), Sulphide, pH, Soil Organic Matter, Speciated Petroleum Hydrocarbons and Speciated Polycyclic Aromatic Hydrocarbons (PAH).

A total of 1no. soil sample was submitted for Waste Acceptance Criteria (WAC) testing.

The complete results of the laboratory contamination tests are discussed in Section 7 and presented in Appendix 3.

4.0 GROUND CONDITIONS ENCOUNTERED

4.1 Local Recorded Geology

BGS digital mapping shows that the site is underlain by superficial Devensian Till deposits, comprising Diamicton, i.e. clay and sand with occasional boulders.

The bedrock geology beneath the site is shown to be the Halesowen Formation, comprising mudstone, siltstone and sandstone.

4.2 Soil Profile Encountered

The sequence of strata identified on site is as follows:

- **Made Ground** was encountered in all exploratory boreholes between ground level and to a maximum depth of 1.15m bgl, generally comprising:
    - Concrete
    - MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.
- **Superficial Deposits** were encountered in all exploratory holes, to a maximum depth of 4.60m bgl, generally comprising:
    - Firm to stiff brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone.
    - Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone

4.3 Observable Indications of Contamination

No observable indication of visual or olfactory evidence of contamination was encountered.

4.4 Obstructions

No obstructions were encountered during the site investigation.

4.5 Groundwater

Groundwater was not encountered during the ground investigation.

4.6 Temporary Works

Formations will be susceptible to damage from both weather and traffic, and should be protected immediately upon exposure, particularly in areas where construction plant will access the site.

Excavations in Made Ground are likely to be unstable and should be battered back to an angle of 1 in 2, or a system of close sheeting and shoring should be adopted to ensure stability, particularly where personnel are required to enter the excavations. All excavations should be adequately supported where personnel are required to enter.

Groundwater seepage may occur near the surface within excavations, particularly during the wetter months of the year. Pumping of excavations from a suitably located sump is likely to be required to keep excavations dry.

5.0 SOIL CONTAMINATION RISK ASSESSMENT

5.1 Tier I Human Health Soil Risk Assessment – Groundworkers During Development

To assess the risk of soil contamination to construction and ground workers during development, guidelines from the HSE Document 'Protection of workers and the general public during development of contaminated land' (1991) are used. The document assesses soil contamination test results and classifies the site as being uncontaminated or contaminated with varying degrees of contamination from 'slight' to 'unusually heavy.' The guideline values and laboratory test results are summarised in the following table:

Table 4: Summary of Guideline Values for Protection of Workers and the General Public During the Development of Contaminated Land

Determinant	Typical Values* for:					Test Results	Class
	Uncontaminated Soils	Slight Contamination	Contaminated	Heavy Contamination	Unusually Heavy Contamination		
	Class A	Class B	Class C	Class D	Class E		
pH (acid)	6 - 7	5 - 6	4 - 5	2 - 4	<2	-	-
pH (alkaline)	7 - 8	8 - 9	9 - 10	10 - 12	12	7.5 – 9.1	A – C
Arsenic	0 - 30	30 - 50	50 - 100	100 - 500	500	4.9 – 34	A – B
Cadmium	0 - 1	1 - 3	3 - 10	10 - 50	50	0.1 – 3.0	A – B
Chromium	0 - 100	100 - 200	200 - 500	500 - 2500	2500	10 – 31	A
Copper	0 - 100	100 - 200	200 - 500	500 - 2500	2500	24 – 59	A
Lead	0 - 500	500 - 1000	1000 - 2000	2000 – 1%	1.0%	31 – 120	A
Mercury	0 - 1	1 - 3	3 - 10	10 - 50	50	<0.05 – 0.15	A
Nickel	0 - 20	20 - 50	50 - 200	200 - 1000	1000	12 – 17	A
Zinc	0 - 250	250 - 500	500 - 1000	1000 - 5000	5000	46 – 140	A
Boron	0 - 2	2 - 5	5 - 50	50 - 250	250	0.3 – 0.4	A
Selenium	0 - 1	1 - 3	3 - 10	10 - 50	50	<0.5	A
Barium	0-500	500-1000	1000-2000	2000-1.0%	1.0%	72 – 220	A
Beryllium	0 - 5	5 - 10	10 - 20	20 - 50	50	0.6 – 1.0	A
Vanadium	0 - 100	100 - 200	200 - 500	500 - 2500	2500	19 – 27	A
Sulphate	0 - 2000	2000 - 5000	5000 – 1%	1% - 5%	5.05%	32 – 98	A
Sulphide	0 - 10	10 - 20	20 - 100	100 - 500	500	32 – 120	C – D
Cyanide (free)	0 - 1	1 - 5	5 - 50	50 - 100	100	<0.1	A
Phenol	0 - 2	2 - 5	5 - 50	50 - 250	250	<0.3 – 0.4	A

Based on the above results, the soils range from uncontaminated to contaminated. Therefore, there is a **LOW to MODERATE** risk of soil contamination to construction workers, ground workers, and members of the public during construction. Appropriate measures, such as PPE, site health plans, and proper disposal of materials arising, will mitigate any risk.

5.2 Tier I Human Health Soil Risk Assessment – Future Site Users

The following section provides a Human Health Soil Assessment for future site users.

Based on the proposed development type, the following section compares the results of contamination analyses with those for residential end developments as specified by Defra/LQM/CIEH.

As part of the contamination assessment, the chemical results obtained by EEG have been screened against accepted compliance criteria, namely:

- Defra C4SL Health Criteria Values (March 2014), where available; and
- Tier 1 assessment values - based on LQM/CIEH Suitable 4 Use Levels (2015) (S4ULs).

The contaminated land guidance has recently changed the risk evaluation from ‘minimal’ (SGVs) to ‘low’ (referred to as the Lowest Level of Toxicological Concern (LLTCs)). The policy companion document and supporting letter from DEFRA state that C4SLs may be used under the planning regime and within Part 2A.

Based on these comments, EEG considers the justifications and assumptions used to generate ‘low’ risk are suitable for the planning regime.

Where no C4SLs have been generated, EEG will use the LQM S4ULs. Similar assumptions and land-use patterns to C4SLs have been applied. However, toxicological information has been based on ‘minimal risk’ as per previous guidelines and assumptions. If contaminants are not present as C4SLs or S4ULs, then EEG will use CL:AIRE GACs. These follow the ‘minimal’ risk principle and more stringent exposure parameters and will be conservative.

EEG considers the main risk drivers for PAHs to be benzo(a)pyrene (B(a)P) and naphthalene.

This is due to B(a)P being a carcinogen and the most toxic of the PAHs, and to naphthalene being the most volatile and soluble. The new C4SLs indicate B(a)P as a surrogate marker for carcinogenic PAHs, since the risk from other non-carcinogenic PAHs is considered negligible. Naphthalene will be treated separately using the Defra C4SL (2024).

As a preliminary screening assessment, all results have been compared against residential end-use criteria for 2.5% soil organic matter content.

The soil chemical testing results are summarised in Table 5 overleaf.

Table 15: Soil Results Comparison with C4SL/S4UL Values

Determinant	C4SL/S4UL Levels Residential 2.5% SOM (mg/kg)	BH1 0.50m MG	BH2 0.40m MG	BH3 0.50m MG	BH4 0.30m MG	BH5 0.25m MG	No of Exceedances
Metals							
Arsenic	37	34	9.0	7.5	4.9	16	0
Beryllium	1.7	0.8	0.9	0.6	0.7	1.0	0
Boron	290	0.4	0.4	0.3	0.3	0.4	0
Cadmium	22	0.1	0.3	0.3	0.3	1.0	0
Chromium	910	31	15	13	10	15	0
Chromium VI	21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Copper	2400	47	57	26	24	59	0
Lead	200	100	46	31	42	120	0
Inorganic Mercury	200	0.14	0.07	< 0.05	< 0.05	0.15	0
Nickel	180	17	12	13	13	17	0
Selenium	250	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
Vanadium	410	24	24	19	19	27	0
Zinc	3700	81	72	51	46	140	0
Polycyclic Aromatic Hydrocarbons							
Naphthalene	36	< 0.10	0.61	< 0.10	< 0.10	**53**	**1**
Acenaphthylene	420	< 0.10	0.42	< 0.10	< 0.10	3.5	0
Acenaphthene	510	< 0.10	1.4	< 0.10	< 0.10	46	0
Fluorene	400	< 0.10	1.8	< 0.10	< 0.10	39	0
Phenanthrene	220	< 0.10	11	0.30	0.29	180	0
Anthracene	5400	< 0.10	2.6	< 0.10	< 0.10	43	0
Fluoranthene	560	< 0.10	18	0.66	0.95	200	0
Pyrene	1200	< 0.10	17	0.80	0.87	170	0
Benzo(a)anthracene	11	< 0.10	8.4	0.59	0.43	**73**	**1**
Chrysene	22	< 0.10	8.7	0.68	0.49	**81**	**1**
Benzo(a)pyrene	5.0	< 0.10	**9.8**	0.95	0.65	**71**	**2**
Benzo(b)fluoranthene	3.3	< 0.10	**7.4**	0.51	0.34	**53**	**2**
Benzo(k)fluoranthene	93	< 0.10	4.2	< 0.10	0.16	31	0
Indeno(1,2,3-cd) pyrene	36	< 0.10	8.4	0.73	0.60	**61**	**1**
Dibenzo (a, h) anthracene	0.28	< 0.10	**0.88**	< 0.10	< 0.10	**9.3**	**2**
Benzo(ghi)perylene	340	< 0.10	6.8	0.68	0.34	42	0
Petroleum Hydrocarbons							
Aliphatic EC >5-6	42	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aliphatic EC >6-8	100	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aliphatic EC >8-10	27	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aliphatic EC >10-12	130	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	0
Aliphatic EC >12-16	1100	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	0
Aliphatic EC >16-21	65000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	0
Aliphatic EC >21-35	65000	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	0
Aromatic EC >5-7	70	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aromatic EC >7-8	130	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aromatic EC >8-10	34	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Aromatic EC >10-12	74	< 0.9	< 0.9	6.4	< 0.9	1.2	0
Aromatic EC >12-16	140	< 0.5	< 0.5	17	< 0.5	6.2	0
Aromatic EC >16-21	260	< 0.6	< 0.6	72	< 0.6	65	0
Aromatic EC >21-35	1100	< 1.4	< 1.4	100	< 1.4	120	0
Benzene	0.87	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Toluene	130	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Ethylbenzene	47	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
m & p-xylenes	56	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
o-xylenes	56	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0
Phenols							
Phenol	120	0.4	0.4	< 0.3	< 0.3	< 0.3	0

Based on the above table, 10no. contaminant concentrations exceed the screening criteria for a residential end use.

This refers to exceedances of multiple PAHs across exploratory hole locations BH2 (0.40m bgl) and BH5 (0.25m bgl).

Asbestos fibres and fragments were not identified during the site investigation.

5.3 Soil Waste Assessment

An assessment of the disposal characteristics of the soil, in accordance with Environment Agency guidance WM3.1 (edition of June 2018, "Guidance on the classification and assessment of waste"), has been carried out on soils recovered from the site using HazWasteOnline.

The results are summarised in Table 6 below and presented in full in Appendix 3.

Table 6: Waste Classification of Soils

Location	Depth (m bgl)	WM3.1 Classification	WAC Testing Classification	Comments
BH1	0.50	Non-Hazardous	-	-
BH2	0.40	Non-Hazardous	-	-
BH3	0.50	Non-Hazardous	Inert Waste	-
BH4	0.30	Non-Hazardous	-	-
BH5	0.25	Non-Hazardous	-	-

The table above shows that all tested samples collected from the site have been classified as **Non-Hazardous** in accordance with WM3.1.

A total of 1no. soil sample has been submitted for Waste Acceptance Criteria (WAC) testing. The sample tested from BH3 at 0.50m bgl was below all relevant waste screening criteria and was therefore classed as **Inert Waste.**

For Waste Acceptance Criteria (WAC) testing, EEG has compared solid waste and leachate values against guideline values in the Landfill Regulations. The following table summarises the results of the solid waste analysis and leachate testing, together with limit values for Non-Hazardous waste and Hazardous waste as described in the Landfill Regulations.

Table 7: Summary of WAC Test Results

Determinant	Landfill Regulations Limits (mg/kg unless otherwise indicated)			BH3 0.50m
	Inert Waste	Stable non-reactive hazardous waste	Hazardous Waste	
TOC (%)	3%	5%	6%	2.2
Loss on ignition (%)	-	-	10%	3.6
BTEX (mg/kg)	6	-	-	<0.04
Sum of PCBs (mg/kg)	1	-	-	<0.01
Mineral Oil (mg/kg)	500	-	-	<10
Total PAH (mg/kg)	100	-	-	5.9
pH (units)	-	< 6	-	7.5
Acid Neutralisation Capacity (mol/kg)	-	*To be evaluated*		<1.0
Arsenic	0.5	2	25	0.02
Barium	20	100	300	<0.1
Cadmium	0.04	1	5	<0.02
Chromium	0.5	10	70	<0.1
Copper	2	50	100	0.026
Mercury	0.01	0.2	2	<0.002
Molybdenum	0.5	10	30	<0.1
Nickel	0.4	10	40	<0.1
Lead	0.5	10	50	<0.05
Antimony	0.06	0.7	5	<0.05
Selenium	0.1	0.5	7	<0.03
Zinc	4	50	200	0.024
Chloride	800	15000	25000	<100
Fluoride	10	150	500	1.86
Sulphate	1000	20000	50000	<100
Total Dissolved Solids	4000	60000	100000	244.1
Phenol Index	1	-	-	<1
DOC	500	800	1000	<50

6.0 CONCLUSIONS & RECOMMENDATIONS

6.1 Soil Contamination

There is a **LOW to MODERATE** potential risk of soil contamination to construction and ground workers during development, and appropriate measures, such as PPE, site health plans, and proper disposal of material arisings, will be required to mitigate this risk.

Based on the results of the chemical testing, 10no. contaminant concentrations, including PAHs, exceeded the screening criteria for a residential end use with plant uptake. Therefore, the risk to future end users is **MODERATE to LOW.**

A remediation strategy will be needed for the proposed development, detailing the mitigation measures required to protect future residential end users. This will likely comprise a clean soil cover system in the site's garden areas.

6.2 Asbestos in soils

No asbestos fibres or fragments have been identified within the soil samples analysed.

6.3 Soil Disposal

Soils should be disposed of at a suitable site, registered to take the levels of contamination encountered. Soil samples collected have been classified as **Non-Hazardous** for the purpose of off-site disposal in accordance with Environment Agency guidance WM3.1.

A total of 1no. soil sample has been submitted for Waste Acceptance Criteria (WAC) testing. The sample tested from BH3 at 0.50m bgl was below all relevant waste screening criteria and was therefore classed as **Inert Waste**.

It is recommended that local landfill and waste-disposal facilities be consulted before disposing of any soil.

6.4 Site Personnel

As with all construction sites, personnel working on site during the construction period should be encouraged to maintain high standards of personal hygiene, and on-site washing facilities should be available.

6.5 Other Matters

Due diligence is required during the construction period, and should any further evidence of contamination be found, appropriate investigation and/or action should be taken. The significance of any contamination not discovered by this investigation is outside the scope of this report.

APPENDIX 1

EXPLORATORY HOLE LOGS

EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

	Project Title: 342 Slade Lane, Manchester		**BH1**
	Project Number: A7281	Client: D Woodman Developments Ltd	Sheet 1 Of 1
	GL (mAOD): 51	N Coord: 393967	E Coord: 386834
Date: 26/03/2026	Method: Window Sampler	Driller: PM Sampling	Logged By: RP

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
			50.7		0.30	MADE GROUND: Concrete		
0.50	ES					MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.		
			50.00		1.00			
		N=8 (2,2,2,2)	49.85		1.15			
1.50	D					Very soft brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone and mudstone.		
		N=6 (1,1,2,2)	49.00		2.00			
		N=4 (1,1,1,1)	48.00		3.00			
			47.75		3.25	Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone.		
		N=26 (5,6,7,8)	47.00		4.00			
		pp 50/135mm	46.4		4.60			
						End Of Borehole At 4.60 m		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Scale: 1:30

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

	Project Title: 342 Slade Lane, Manchester		**BH2**
	Project Number: A7281	Client: D Woodman Developments Ltd	Sheet 1 Of 1
	GL (mAOD): 51	N Coord: 393978	E Coord: 386838
Date: 26/03/2026	Method: Window Sampler	Driller: PM Sampling	Logged By: RP

Depth (m)	Type	Test Result	Level	Depth (m)	Description	Water	Standpipe
			50.7	0.30	MADE GROUND: Concrete		
0.40	ES				MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.		
			50.1	0.90			
			50.00	1.00	Soft to firm brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone and mudstone.		
		N=5 (1,1,1,2)					
1.75	D						
		N=11 (2,2,3,4)	49.00	2.00	Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone.		
		pp 50/260mm	48.00	3.00	End Of Borehole At 3.00 m		
			47.00	4.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Scale: 1:30

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

	Project Title: 342 Slade Lane, Manchester		**BH3**
	Project Number: A7281	Client: D Woodman Developments Ltd	Sheet 1 Of 1
	GL (mAOD): 51	N Coord: 393989	E Coord: 386841
Date: 26/03/2026	Method: Window Sampler	Driller: PM Sampling	Logged By: RP

Depth (m)	Type	Test Result	Level	Depth (m)	Description	Water	Standpipe
			50.7	0.30	MADE GROUND: Concrete		
0.50	ES				MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.		
			50.00	1.00			
		N=9 (2,2,2,3)	49.9	1.10	Firm brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone and mudstone.		
1.50	D						
		N=19 (3,4,6,6)	49.00	2.00			
			48.9	2.10	Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone.		
		pp 50/235mm	48.5	2.50	End Of Borehole At 2.50 m		
			48.00	3.00			
			47.00	4.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Scale: 1:30

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

	Project Title: 342 Slade Lane, Manchester		**BH4**
	Project Number: A7281	Client: D Woodman Developments Ltd	Sheet 1 Of 1
	GL (mAOD): 51	N Coord: 393983	E Coord: 386826
Date: 26/03/2026	Method: Window Sampler	Driller: PM Sampling	Logged By: RP

Depth (m)	Type	Test Result	Level	Depth (m)	Description	Water	Standpipe
			50.8	0.20	MADE GROUND: Concrete		
0.30	ES				MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.		
			50.00	1.00			
		N=9 (2,2,2,3)			Firm to stiff brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone.		
2.00	D	N=25 (5,5,7,8)	49.00	2.00			
		N=28 (6,6,7,9)	48.00	3.00			
			47.55	3.45	Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone.		
		N=38 (8,9,11,10)	47.00	4.00			
		pp 50/55mm	46.5	4.50			
					End Of Borehole At 4.50 m		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Scale: 1:30

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

EARTH ENVIRONMENTAL & GEOTECHNICAL
A Technics Group Company

	Project Title: 342 Slade Lane, Manchester		BH5
	Project Number: A7281	Client: D Woodman Developments Ltd	Sheet 1 Of 1
	GL (mAOD): 51	N Coord: 393979	E Coord: 386817
Date: 26/03/2026	Method: Window Sampler	Driller: PM Sampling	Logged By: RP

Depth (m)	Type	Test Result	Level	Depth (m)	Description	Water	Standpipe
0.25	ES		50.65	0.35	MADE GROUND: Dark brown slightly clayey sandy fine to coarse angular to subangular GRAVEL if sandstone. Sand is fine to coarse.		
			50.1	0.90	MADE GROUND: Brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse angular of sandstone and brick.		
		N=9 (2,2,2,3)	50.00	1.00	Firm brown slightly silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular sandstone and mudstone.		
1.50	D						
		N=16 (3,3,4,6)	49.00	2.00			
			48.4	2.60	Very stiff silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded of sandstone.		
		N=40 (8,8,10,14)	48.00	3.00			
		pp 50/235mm	47.3	3.70	End Of Borehole At 3.70 m		
			47.00	4.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Scale: 1:30

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

APPENDIX 2

SOIL CHEMICAL TESTING RESULTS

Certificate of Analysis

Certificate Number	26-07997	*Issued:*	15-Apr-26

Client Earth Environmental & Geotechnical Ltd
Ashbourne House
334 Wellington Road North
Stockport
Cheshire
SK4 5DA

Our Reference	26-07997
Client Reference ~	A7281
Order No ~	A7281/RP/01
Contract Title ~	Slade Lane
Description	5 Soil samples, 2 Leachate prepared by DETS samples.
Date Received	02-Apr-26
Date Started	02-Apr-26
Date Completed	15-Apr-26
Test Procedures	Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Louise Cook
Contracts Manager

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Summary of Chemical Analysis
Matrix Descriptions

Our Ref 26-07997
Client Ref ~ A7281
Contract Title ~ Slade Lane

Sample ID	Depth	Lab No	Completed	Matrix Description
BH1	0.5	2666128	15/04/2026	Dark brown very gravelly, sandy CLAY (Possible made ground - brick)
BH2	0.4	2666129	15/04/2026	Dark brown very gravelly, sandy CLAY including odd rootlets (Possible made ground - brick)
BH3	0.5	2666130	15/04/2026	Dark brown very gravelly, sandy CLAY including odd rootlets (Possible made ground - brick)
BH4	0.3	2666131	15/04/2026	Dark brown very gravelly, sandy CLAY including odd rootlets (Possible made ground - brick)
BH5	0.25	2666132	15/04/2026	Dark brown very gravelly, sandy CLAY including odd rootlets (Possible made ground - brick)

Summary of Chemical Analysis
Soil Samples

Our Ref 26-07997
Client Ref ~ A7281
Contract Title ~ Slade Lane

	Lab No	2666128	2666129	2666130	2666131	2666132
	Sample ID ~	BH1	BH2	BH3	BH4	BH5
	Depth ~	0.50	0.40	0.50	0.30	0.25
	Other ID ~					
	Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampling Date ~	27/03/2026	27/03/2026	27/03/2026	27/03/2026	27/03/2026
	Sampling Time ~	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**			
Preparation						
Moisture Content	DETSC 1004	0.1	%	18	13	13	13	18
Metals						
Arsenic	DETSC 2301#	0.2	mg/kg	34	9.0	7.5	4.9	16
Barium	DETSC 2301#	1.5	mg/kg	97	160	72	74	220
Beryllium	DETSC 2301#	0.2	mg/kg	0.8	0.9	0.6	0.7	1.0
Boron, Water Soluble (2.5:1)	DETSC 2311#	0.2	mg/kg	0.4	0.4	0.3	0.3	0.4
Cadmium	DETSC 2301#	0.1	mg/kg	0.1	0.3	0.3	0.3	1.0
Chromium	DETSC 2301#	0.15	mg/kg	31	15	13	10	15
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	47	57	26	24	59
Lead	DETSC 2301#	0.3	mg/kg	100	46	31	42	120
Mercury	DETSC 2325#	0.05	mg/kg	0.14	0.07	< 0.05	< 0.05	0.15
Nickel	DETSC 2301#	1	mg/kg	17	12	13	13	17
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vanadium	DETSC 2301#	0.8	mg/kg	24	24	19	19	27
Zinc	DETSC 2301#	1	mg/kg	81	72	51	46	140
Inorganics						
pH	DETSC 2008#		pH	8.1	9.1	7.5	8.9	7.9
Cyanide, Total	DETSC 2130#	0.1	mg/kg	0.2	0.1	0.1	0.1	0.1
Cyanide, Free	DETSC 2130#	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cyanide, Complex	DETSC 2130*	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Organic matter	DETSC 2002#	0.1	%	1.9	2.9	1.8	2.7	3.0
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	44	98	45	66	32
Sulphide	DETSC 2024*	10	mg/kg	48	120	40	44	32
Sulphate as SO4, Total	DETSC 2321#	0.01	%	0.03	0.07	0.02	0.03	0.05
Petroleum Hydrocarbons						
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatic C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10	< 10	< 10	< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9	6.4	< 0.9	1.2
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5	17	< 0.5	6.2
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6	72	< 0.6	65
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4	100	< 1.4	120

Summary of Chemical Analysis
Soil Samples

Our Ref 26-07997
Client Ref ~ A7281
Contract Title ~ Slade Lane

	Lab No	2666128	2666129	2666130	2666131	2666132
	Sample ID ~	BH1	BH2	BH3	BH4	BH5
	Depth ~	0.50	0.40	0.50	0.30	0.25
	Other ID ~					
	Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampling Date ~	27/03/2026	27/03/2026	27/03/2026	27/03/2026	27/03/2026
	Sampling Time ~	n/s	n/s	n/s	n/s	n/s
Test	**Method**	**LOD**	**Units**			
Aromatic C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10	200	< 10	200
TPH Ali/Aro Total C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10	200	< 10	200
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
m+p Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
o Xylene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	DETSC 3321	0.01	mg/kg	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PAHs								
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.10	0.61	< 0.10	< 0.10	53
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.10	0.42	< 0.10	< 0.10	3.5
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.10	1.4	< 0.10	< 0.10	46
Fluorene	DETSC 3301	0.1	mg/kg	< 0.10	1.8	< 0.10	< 0.10	39
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.10	11	0.30	0.29	180
Anthracene	DETSC 3301	0.1	mg/kg	< 0.10	2.6	< 0.10	< 0.10	43
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	18	0.66	0.95	200
Pyrene	DETSC 3301	0.1	mg/kg	< 0.10	17	0.80	0.87	170
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	8.4	0.59	0.43	73
Chrysene	DETSC 3301	0.1	mg/kg	< 0.10	8.7	0.68	0.49	81
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	7.4	0.51	0.34	53
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	4.2	< 0.10	0.16	31
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	9.8	0.95	0.65	71
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	8.4	0.73	0.60	61
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	0.88	< 0.10	< 0.10	9.3
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.10	6.8	0.68	0.34	42
PAH 16 Total	DETSC 3301	1.6	mg/kg	< 1.6	110	5.9	5.1	1200
Phenols								
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	0.4	0.4	< 0.3	< 0.3	< 0.3

WASTE ACCEPTANCE CRITERIA TESTING
v20.25.02.03

Our Ref 26-07997
Client Ref A7281
Contract Title Slade Lane
Sample Id BH3 0.50

Sample Numbers 2666130 2666133 2666134
Date Analysed 15/04/2026

Test Results On Waste

Determinand and Method Reference	Units	Result	WAC Limit Values: Inert Waste	SNRHW	Hazardous Waste
DETSC 2084# Total Organic Carbon	%	2.2	3	5	6
DETSC 2003# Loss On Ignition	%	3.6	n/a	n/a	10
DETSC 3321# BTEX	mg/kg	< 0.04	6	n/a	n/a
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01	1	n/a	n/a
DETSC 3311* Mineral Oil (C10 - C40)	mg/kg	< 10	500	n/a	n/a
DETSC 3301 PAHs	mg/kg	5.9	100	n/a	n/a
DETSC 2008# pH	pH Units	7.5	n/a	>6	n/a
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1.0	n/a	TBE	TBE
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1.0	n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l		Amount Leached mg/kg		WAC Limit Values (Limit values for LS10 Leachate): Inert Waste	SNRHW	Hazardous Waste
	2:1	8:1	LS2	LS10			
DETSC 2306 Arsenic as As	1.46	2.065	0.003	0.02	0.5	2	25
DETSC 2306 Barium as Ba	10.95	3.071	0.02	< 0.1	20	100	300
DETSC 2306 Cadmium as Cd	< 0.0300	< 0.0300	< 0.004	< 0.02	0.04	1	5
DETSC 2306 Chromium as Cr	2.063	0.6161	< 0.02	< 0.1	0.5	10	70
DETSC 2306 Copper as Cu	2.09	2.686	0.004	0.026	2	50	100
DETSC 2306 Mercury as Hg	< 0.0100	< 0.0100	< 0.0004	< 0.002	0.01	0.2	2
DETSC 2306 Molybdenum as Mo	< 1.10	< 1.10	< 0.02	< 0.1	0.5	10	30
DETSC 2306 Nickel as Ni	1.309	0.922	< 0.02	< 0.1	0.4	10	40
DETSC 2306 Lead as Pb	1.056	0.5661	< 0.01	< 0.05	0.5	10	50
DETSC 2306 Antimony as Sb	0.2974	0.5295	< 0.01	< 0.05	0.06	0.7	5
DETSC 2306 Selenium as Se	0.3081	0.3807	< 0.006	< 0.03	0.1	0.5	7
DETSC 2306 Zinc as Zn	2.79	2.34	0.006	0.024	4	50	200
DETSC 2055 Chloride as Cl	830	600	< 20	< 100	800	15,000	25,000
DETSC 2055* Fluoride as F	140	190	0.28	1.86	10	150	500
DETSC 2055 Sulphate as SO4	1400	2500	< 20	< 100	1000	20,000	50,000
DETSC 2009* Total Dissolved Solids	17000	25000	34	244.1	4000	60,000	100,000
DETSC 2130 Phenol Index	< 100	< 100	< 0.2	< 1	1	n/a	n/a
DETSC 2085 Dissolved Organic Carbon	4400	4800	< 10	< 50	500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	6.6	6.4
DETSC 2009 Conductivity uS/cm	23.8	35.9
* Temperature*	19.0	19.0

Mass of Sample Kg	0.200
Mass of dry Sample Kg	0.175

Stage 1

Volume of Leachant L2	0.325
Volume of Eluate VE1	0.13

Stage 2

Volume of Leachant L8	1.4
Volume of Eluate VE2	0.62

Disclaimer: *The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

V.2.07

Summary of Asbestos Analysis
Soil Samples

Our Ref 26-07997
Client Ref ~ A7281
Contract Title ~ Slade Lane

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
2666128	BH1 0.50	SOIL	NAD	none	Lucy Lindsley
2666129	BH2 0.40	SOIL	NAD	none	Lucy Lindsley
2666130	BH3 0.50	SOIL	NAD	none	Lucy Lindsley
2666131	BH4 0.30	SOIL	NAD	none	Lucy Lindsley
2666132	BH5 0.25	SOIL	NAD	none	Lucy Lindsley

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 26-07997
Client Ref ~ A7281
Contract ~ Slade Lane

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2666128	BH1 0.50 SOIL	27/03/26	GJ 250ml, GJ 30ml, PT 1L		
2666129	BH2 0.40 SOIL	27/03/26	GJ 250ml, GJ 30ml, PT 1L		
2666130	BH3 0.50 SOIL	27/03/26	GJ 250ml, GJ 30ml, PT 1L x2		
2666131	BH4 0.30 SOIL	27/03/26	GJ 250ml, GJ 30ml, PT 1L		
2666132	BH5 0.25 SOIL	27/03/26	GJ 250ml, GJ 30ml, PT 1L		
2666133	BH3 0.50 LEACHATE	27/03/26	GJ 250ml, GJ 30ml, PT 1L x2		
2666134	BH3 0.50 LEACHATE	27/03/26	GJ 250ml, GJ 30ml, PT 1L x2		

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 2002	Organic matter	%	0.1	Air Dried	No	Yes	Yes
DETSC 2003	Loss on ignition	%	0.01	Air Dried	No	Yes	Yes
DETSC 2008	pH	pH Units	1	Air Dried	No	Yes	Yes
DETSC 2076	Sulphate Aqueous Extract as SO4	mg/l	10	Air Dried	No	Yes	Yes
DETSC 2084	Total Organic Carbon	%	0.5	Air Dried	No	Yes	Yes
DETSC 2119	Ammoniacal Nitrogen as N	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide free	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Cyanide total	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes
DETSC 2301	Arsenic	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Barium	mg/kg	1.5	Air Dried	No	Yes	Yes
DETSC 2301	Beryllium	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium Available	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cadmium	mg/kg	0.1	Air Dried	No	Yes	Yes
DETSC 2301	Cobalt	mg/kg	0.7	Air Dried	No	Yes	Yes
DETSC 2301	Chromium	mg/kg	0.15	Air Dried	No	Yes	Yes
DETSC 2301	Copper	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2301	Manganese	mg/kg	20	Air Dried	No	Yes	Yes
DETSC 2301	Molybdenum	mg/kg	0.4	Air Dried	No	Yes	Yes
DETSC 2301	Nickel	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2301	Lead	mg/kg	0.3	Air Dried	No	Yes	Yes
DETSC 2301	Selenium	mg/kg	0.5	Air Dried	No	Yes	Yes
DETSC 2301	Zinc	mg/kg	1	Air Dried	No	Yes	Yes
DETSC 2311	Boron (water soluble)	mg/kg	0.2	Air Dried	No	Yes	Yes
DETSC 2321	Total Sulphate as SO4	%	0.01	Air Dried	No	Yes	Yes
DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes
DETSC 3049	Sulphur (free)	mg/kg	0.75	As Received	No	Yes	Yes
DETSC 3072	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3072	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3072	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3072	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3072	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3072	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3311	C10-C24 Diesel Range Organics (DRO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	C24-C40 Lube Oil Range Organics (LORO)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3311	EPH (C10-C40)	mg/kg	10	As Received	No	Yes	Yes
DETSC 3321	Benzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Ethylbenzene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Toluene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	m+p Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3321	o Xylene	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 28 + PCB 31	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 52	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 101	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 118	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 153	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 138	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 180	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB Total	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3521	Ali/Aro C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C12	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C12-C16	mg/kg	1.2	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C16-C21	mg/kg	1.5	As Received	No	Yes	Yes
DETSC 3521	Aliphatic C21-C35	mg/kg	3.4	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C12	mg/kg	0.9	As Received	No	Yes	Yes
DETSC 3521	Aromatic C10-C35	mg/kg	10	As Received	No	Yes	Yes
DETSC 3521	Aromatic C12-C16	mg/kg	0.5	As Received	No	Yes	Yes
DETSC 3521	Aromatic C16-C21	mg/kg	0.6	As Received	No	Yes	Yes
DETSC 3521	Aromatic C21-C35	mg/kg	1.4	As Received	No	Yes	Yes

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS. No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

Appendix A - Details of Analysis

Method	Parameter	Units	Limit of Detection	Sample Preparation	Sub-Contracted	UKAS	MCERTS

Key:
~ Sample details are provided by the client and can affect the validity of the results
***** -not accredited.
# -MCERTS (accreditation only applies if report carries the MCERTS logo).
$ -subcontracted.
n/s -not supplied.
I/S -insufficient sample.
U/S -unsuitable sample.
t/f -to follow.
nd -not detected.

End of Report

APPENDIX 3

SOIL WASTE ASSESSMENT

Waste Classification Report

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

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

GTJJY-P5KMX-2QYOQ

Report is invalid if pages are removed.

Job name

A7281 342 Slade Lane, Manchester

Description/Comments

Project

A7281

Site

342 Slade Lane, Manchester

Classified by

Name:
Luke Glover
Company:
Earth Environmental & Geotechnical Ltd
Date:
24 Apr 2026 10:29 GMT
Telephone:

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	-

Purpose of classification

2 - Material Characterisation

Address of the waste

342 Slade Ln, Manchester **Post Code** M19 2BX

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Existing material on site.

Description of the specific process, sub-process and/or activity that created the waste

Site investigation.

Description of the waste

Made ground.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH1	0.50	Non Hazardous		3
2	BH2	0.40	Non Hazardous		6
3	BH3	0.50	Non Hazardous		9
4	BH4	0.30	Non Hazardous		12
5	BH5	0.25	Non Hazardous		15

Related documents

#	Name	Description
1	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

Report

Created by: Luke Glover

Created date: 24 Apr 2026 10:29 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	18
Appendix B: Rationale for selection of metal species	19
Appendix C: Version	20

Classification of sample: BH1

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

Sample details

Sample name:
BH1
Sample Depth:
0.50 m
Moisture content:
18%
(dry weight correction)

LoW Code:
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: 18% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				34 mg/kg	1.895	54.588 mg/kg	0.00546 %	✓	
3	barium { barium carbonate }	056-003-00-2	208-167-3	513-77-9		97 mg/kg	1.437	118.124 mg/kg	0.0118 %	✓	
4	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }	004-002-00-2				0.8 mg/kg	8.868	6.012 mg/kg	0.000601 %	✓	
5	boron { boric acid; [1] boric acid; [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		0.4 mg/kg	5.719	1.939 mg/kg	0.000194 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.157 mg/kg	0.0000157 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	38.397 mg/kg	0.00384 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		47 mg/kg	3.929	156.496 mg/kg	0.0156 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	100 mg/kg	1.56	132.188 mg/kg	0.00847 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.14 mg/kg	1.353	0.161 mg/kg	0.0000161 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		17 mg/kg	5.358	77.196 mg/kg	0.00772 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24	mg/kg	1.785	36.309	mg/kg	0.00363 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		81	mg/kg	2.774	190.429	mg/kg	0.019 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22		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				<0.01	mg/kg	1.884	<0.0188	mg/kg	<0.00000188 %		<LOD
23		pH			PH		8.1	pH		8.1	pH	8.1 pH		
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
29		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
31		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
32		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
33		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
34		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
35		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
39		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		phenol				0.4 mg/kg		0.339 mg/kg	0.0000339 %	✓	
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0765 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH2

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

Sample details

Sample name:
BH2
Sample Depth:
0.40 m
Moisture content:
13%
(dry weight correction)

LoW Code:
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: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				9 mg/kg	1.895	15.089 mg/kg	0.00151 %	✓	
3	barium { barium carbonate }	056-003-00-2	208-167-3	513-77-9		160 mg/kg	1.437	203.466 mg/kg	0.0203 %	✓	
4	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }	004-002-00-2				0.9 mg/kg	8.868	7.063 mg/kg	0.000706 %	✓	
5	boron { boric acid; [1] boric acid; [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		0.4 mg/kg	5.719	2.024 mg/kg	0.000202 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.492 mg/kg	0.0000492 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	19.401 mg/kg	0.00194 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		57 mg/kg	3.929	198.191 mg/kg	0.0198 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	46 mg/kg	1.56	63.497 mg/kg	0.00407 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.07 mg/kg	1.353	0.0838 mg/kg	0.00000838 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		12 mg/kg	5.358	56.902 mg/kg	0.00569 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24	mg/kg	1.785	37.915	mg/kg	0.00379 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		72	mg/kg	2.774	176.76	mg/kg	0.0177 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
22		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				<0.01	mg/kg	1.884	<0.0188	mg/kg	<0.00000188 %		<**LOD**
23		pH			PH		9.1	pH		9.1	pH	9.1 pH		
24		naphthalene	601-052-00-2	202-049-5	91-20-3		0.61	mg/kg		0.54	mg/kg	0.000054 %	✓	
25		acenaphthylene		205-917-1	208-96-8		0.42	mg/kg		0.372	mg/kg	0.0000372 %	✓	
26		acenaphthene		201-469-6	83-32-9		1.4	mg/kg		1.239	mg/kg	0.000124 %	✓	
27		fluorene		201-695-5	86-73-7		1.8	mg/kg		1.593	mg/kg	0.000159 %	✓	
28		phenanthrene		201-581-5	85-01-8		11	mg/kg		9.735	mg/kg	0.000973 %	✓	
29		anthracene		204-371-1	120-12-7		2.6	mg/kg		2.301	mg/kg	0.00023 %	✓	
30		fluoranthene		205-912-4	206-44-0		18	mg/kg		15.929	mg/kg	0.00159 %	✓	
31		pyrene		204-927-3	129-00-0		17	mg/kg		15.044	mg/kg	0.0015 %	✓	
32		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		8.4	mg/kg		7.434	mg/kg	0.000743 %	✓	
33		chrysene	601-048-00-0	205-923-4	218-01-9		8.7	mg/kg		7.699	mg/kg	0.00077 %	✓	
34		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		7.4	mg/kg		6.549	mg/kg	0.000655 %	✓	
35		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.2	mg/kg		3.717	mg/kg	0.000372 %	✓	
36		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		9.8	mg/kg		8.673	mg/kg	0.000867 %	✓	
37		indeno[123-cd]pyrene		205-893-2	193-39-5		8.4	mg/kg		7.434	mg/kg	0.000743 %	✓	
38		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.88	mg/kg		0.779	mg/kg	0.0000779 %	✓	
39		benzo[ghi]perylene		205-883-8	191-24-2		6.8	mg/kg		6.018	mg/kg	0.000602 %	✓	

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		phenol				0.4 mg/kg		0.354 mg/kg	0.0000354 %	✓	
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0854 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH3

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

Sample details

Sample name:
BH3
Sample Depth:
0.50 m
Moisture content:
13%
(dry weight correction)

LoW Code:
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: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				7.5 mg/kg	1.895	12.574 mg/kg	0.00126 %	✓	
3	barium { barium carbonate }	056-003-00-2	208-167-3	513-77-9		72 mg/kg	1.437	91.56 mg/kg	0.00916 %	✓	
4	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }	004-002-00-2				0.6 mg/kg	8.868	4.709 mg/kg	0.000471 %	✓	
5	boron { boric acid; [1] boric acid; [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		0.3 mg/kg	5.719	1.518 mg/kg	0.000152 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.492 mg/kg	0.0000492 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13 mg/kg	1.462	16.814 mg/kg	0.00168 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		26 mg/kg	3.929	90.403 mg/kg	0.00904 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	31 mg/kg	1.56	42.791 mg/kg	0.00274 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13 mg/kg	5.358	61.644 mg/kg	0.00616 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	30.016	mg/kg	0.003 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
15		zinc { zinc chromate }				51	mg/kg	2.774	125.205	mg/kg	0.0125 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
16		TPH (C6 to C40) petroleum group				200	mg/kg		176.991	mg/kg	0.0177 %	✓	
				TPH									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
18		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
19		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
20		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
22		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 }				<0.01	mg/kg	1.884	<0.0188	mg/kg	<0.00000188 %		<LOD
		006-007-00-5											
23		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
24		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
26		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
27		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
28		phenanthrene				0.3	mg/kg		0.265	mg/kg	0.0000265 %	✓	
			201-581-5	85-01-8									
29		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
30		fluoranthene				0.66	mg/kg		0.584	mg/kg	0.0000584 %	✓	
			205-912-4	206-44-0									
31		pyrene				0.8	mg/kg		0.708	mg/kg	0.0000708 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				0.59	mg/kg		0.522	mg/kg	0.0000522 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				0.68	mg/kg		0.602	mg/kg	0.0000602 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				0.51	mg/kg		0.451	mg/kg	0.0000451 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				0.95	mg/kg		0.841	mg/kg	0.0000841 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				0.73	mg/kg		0.646	mg/kg	0.0000646 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				0.68	mg/kg		0.602	mg/kg	0.0000602 %	✓	
			205-883-8	191-24-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
40		phenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0645 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 5000 mg/kg (0.5%) because: No free phase product.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0177%)

Classification of sample: BH4

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

Sample details

Sample name:
BH4
Sample Depth:
0.30 m
Moisture content:
13%
(dry weight correction)

LoW Code:
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: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.9 mg/kg	1.895	8.215 mg/kg	0.000822 %	✓	
3	barium { barium carbonate }	056-003-00-2	208-167-3	513-77-9		74 mg/kg	1.437	94.103 mg/kg	0.00941 %	✓	
4	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }	004-002-00-2				0.7 mg/kg	8.868	5.493 mg/kg	0.000549 %	✓	
5	boron { boric acid; [1] boric acid; [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		0.3 mg/kg	5.719	1.518 mg/kg	0.000152 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.492 mg/kg	0.0000492 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10 mg/kg	1.462	12.934 mg/kg	0.00129 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		24 mg/kg	3.929	83.449 mg/kg	0.00834 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	42 mg/kg	1.56	57.975 mg/kg	0.00372 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		13 mg/kg	5.358	61.644 mg/kg	0.00616 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		19	mg/kg	1.785	30.016	mg/kg	0.003 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		46	mg/kg	2.774	112.93	mg/kg	0.0113 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
22		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				<0.01	mg/kg	1.884	<0.0188	mg/kg	<0.00000188 %		<**LOD**
23		pH			PH		8.9	pH		8.9	pH	8.9 pH		
24		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
26		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
27		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
28		phenanthrene		201-581-5	85-01-8		0.29	mg/kg		0.257	mg/kg	0.0000257 %	✓	
29		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
30		fluoranthene		205-912-4	206-44-0		0.95	mg/kg		0.841	mg/kg	0.0000841 %	✓	
31		pyrene		204-927-3	129-00-0		0.87	mg/kg		0.77	mg/kg	0.000077 %	✓	
32		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.43	mg/kg		0.381	mg/kg	0.0000381 %	✓	
33		chrysene	601-048-00-0	205-923-4	218-01-9		0.49	mg/kg		0.434	mg/kg	0.0000434 %	✓	
34		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.34	mg/kg		0.301	mg/kg	0.0000301 %	✓	
35		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.142	mg/kg	0.0000142 %	✓	
36		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.65	mg/kg		0.575	mg/kg	0.0000575 %	✓	
37		indeno[123-cd]pyrene		205-893-2	193-39-5		0.6	mg/kg		0.531	mg/kg	0.0000531 %	✓	
38		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
39		benzo[ghi]perylene		205-883-8	191-24-2		0.34	mg/kg		0.301	mg/kg	0.0000301 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
40		phenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0452 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH5

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

Sample details

Sample name:
BH5
Sample Depth:
0.25 m
Moisture content:
18%
(dry weight correction)

LoW Code:
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: 18% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				16 mg/kg	1.895	25.688 mg/kg	0.00257 %	✓	
3	barium { barium carbonate }	056-003-00-2	208-167-3	513-77-9		220 mg/kg	1.437	267.911 mg/kg	0.0268 %	✓	
4	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }	004-002-00-2				1 mg/kg	8.868	7.515 mg/kg	0.000752 %	✓	
5	boron { boric acid; [1] boric acid; [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		0.4 mg/kg	5.719	1.939 mg/kg	0.000194 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1 mg/kg	1.855	1.572 mg/kg	0.000157 %	✓	
7	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	18.579 mg/kg	0.00186 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<**LOD**
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		59 mg/kg	3.929	196.453 mg/kg	0.0196 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	120 mg/kg	1.56	158.625 mg/kg	0.0102 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.15 mg/kg	1.353	0.172 mg/kg	0.0000172 %	✓	
12	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		17 mg/kg	5.358	77.196 mg/kg	0.00772 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		27	mg/kg	1.785	40.847	mg/kg	0.00408 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		140	mg/kg	2.774	329.136	mg/kg	0.0329 %	✓	
16		TPH (C6 to C40) petroleum group			TPH		200	mg/kg		169.492	mg/kg	0.0169 %	✓	
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
18		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
19		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
21		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
22		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				<0.01	mg/kg	1.884	<0.0188	mg/kg	<0.00000188 %		<**LOD**
23		pH			PH		7.9	pH		7.9	pH	7.9 pH		
24		naphthalene	601-052-00-2	202-049-5	91-20-3		53	mg/kg		44.915	mg/kg	0.00449 %	✓	
25		acenaphthylene		205-917-1	208-96-8		3.5	mg/kg		2.966	mg/kg	0.000297 %	✓	
26		acenaphthene		201-469-6	83-32-9		46	mg/kg		38.983	mg/kg	0.0039 %	✓	
27		fluorene		201-695-5	86-73-7		39	mg/kg		33.051	mg/kg	0.00331 %	✓	
28		phenanthrene		201-581-5	85-01-8		180	mg/kg		152.542	mg/kg	0.0153 %	✓	
29		anthracene		204-371-1	120-12-7		43	mg/kg		36.441	mg/kg	0.00364 %	✓	
30		fluoranthene		205-912-4	206-44-0		200	mg/kg		169.492	mg/kg	0.0169 %	✓	
31		pyrene		204-927-3	129-00-0		170	mg/kg		144.068	mg/kg	0.0144 %	✓	
32		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		73	mg/kg		61.864	mg/kg	0.00619 %	✓	
33		chrysene	601-048-00-0	205-923-4	218-01-9		81	mg/kg		68.644	mg/kg	0.00686 %	✓	
34		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		53	mg/kg		44.915	mg/kg	0.00449 %	✓	
35		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		31	mg/kg		26.271	mg/kg	0.00263 %	✓	
36		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		71	mg/kg		60.169	mg/kg	0.00602 %	✓	
37		indeno[123-cd]pyrene		205-893-2	193-39-5		61	mg/kg		51.695	mg/kg	0.00517 %	✓	
38		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		9.3	mg/kg		7.881	mg/kg	0.000788 %	✓	
39		benzo[ghi]perylene		205-883-8	191-24-2		42	mg/kg		35.593	mg/kg	0.00356 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
40		phenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.222 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 5000 mg/kg (0.5%) because: No free phase product.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0169%)

Appendix A: Classifier defined and non GB MCL determinands

asbestos fibres detected (Yes/No) (CAS Number: ACM_FIBRES)

Description/Comments: not classified, information only
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

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

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

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

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

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

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

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

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

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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , 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

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

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

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

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

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

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

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

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

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species based on hazard statements/molecular weight and conversion factor for arsenic acid H3AsO4. (edit as required)

barium {barium carbonate}

No chromium (VI) detected.

beryllium {beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex}

Worst case CLP species based on hazard statements/molecular weight and conversion factor for beryllium chloride. (edit as required)

boron {boric acid; [1] boric acid; [2]}

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming water is or has been present. (edit as required)

cadmium {cadmium sulfate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

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

No chromium (VI) detected.

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

Worst case species based on hazard statements/molecular weight (edit as required)

copper {copper sulphate pentahydrate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming no evidence for the use of explosives. (edit as required)

nickel {nickel dibromate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

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

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2026.83.7020.12656 (25 Mar 2026)
HazWasteOnline Database: 2026.83.7020.12656 (25 Mar 2026)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025
GB MCL List v7.0 - version 7.0 of 23rd September 2025

APPENDIX 4

REPORT LIMITATIONS

REPORT LIMITATIONS

This contract was completed by Earth Environmental & Geotechnical Ltd under a defined programme, scope of works, and terms and conditions agreed with the client. This report was compiled with all reasonable skill and care, taking into account the project objectives, the agreed scope of works, the prevailing site conditions, the budget, and the staff resources allocated to the project.

Other than that, expressly contained in the above paragraph, Earth Environmental & Geotechnical Ltd provides no other representation or warranty, whether express or implied, in relation to the services. Unless otherwise agreed, this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted consulting practices and for the intended purposes as stated in the agreement under which this work was completed. This report may not be relied upon, or transferred to, by any other party without the written agreement of a Director of Earth Environmental & Geotechnical Ltd.

If a third party relies on this report, it does so wholly at its own and sole risk and Earth Environmental & Geotechnical Ltd disclaims any liability to such parties.

It is Earth Environmental & Geotechnical Ltd's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was an important factor in determining the scope and level of the services. Should the purpose for which the report is used, or the proposed use of the site change, this report will no longer be valid, and any further use of, or reliance upon the report in those circumstances by the client without Earth Environmental & Geotechnical Ltd review and advice shall be at the client's sole and own risk.

The report was written in 2026 and should be read in light of any subsequent changes in legislation, statutory requirements, and industry best practices. Ground conditions can also change over time, and further investigation or assessment should be conducted if there is any significant delay in acting on the findings of this report. The passage of time may result in changes to site conditions, regulatory or other legal provisions, technology, or economic conditions that could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of Earth Environmental & Geotechnical Ltd. In the absence of such written advice from Earth Environmental & Geotechnical Ltd, reliance on the report in the future shall be at the client's own and sole risk. Should Earth Environmental & Geotechnical Ltd be requested to review the report in the future, Earth Environmental & Geotechnical Ltd shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between Earth Environmental & Geotechnical Ltd and the client.

The observations and conclusions described in this report are based solely upon the services that were provided pursuant to the agreement between the client and Earth Environmental & Geotechnical Ltd. Earth Environmental & Geotechnical Ltd has not performed any observations, investigations, studies or testing not explicitly set out or mentioned within this report.

Earth Environmental & Geotechnical Ltd is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, Earth Environmental & Geotechnical Ltd did not seek to evaluate the presence on or off the site of electromagnetic fields, lead paint, radon gas or other radioactive materials.

The services are based upon Earth Environmental & Geotechnical Ltd's observations of existing physical conditions at the site, gained from a walkover survey of the site, together with Earth Environmental & Geotechnical Ltd's interpretation of information, including documentation,

obtained from third parties and from the client on the history and usage of the site. The findings and recommendations contained in this report are based in part upon information provided by third parties, and whilst Earth Environmental & Geotechnical Ltd have no reason to doubt the accuracy of that information, it has not been verified.

No responsibility can be accepted for errors within third-party items presented in this report. Further Earth Environmental & Geotechnical Ltd was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the services. Earth Environmental & Geotechnical Ltd is not liable for any inaccurate information, misrepresentation of data or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to Earth Environmental & Geotechnical Ltd and including the doing of any independent investigation of the information provided to Earth Environmental & Geotechnical Ltd save as otherwise provided in the terms of the contract between the client and Earth Environmental & Geotechnical Ltd.

Where field investigations have been carried out, they have been restricted to the level of detail required to achieve the stated objectives of the work. Ground conditions can also be variable, and investigation excavations only allow examination of the ground at discrete locations. The potential exists for ground conditions to be encountered that differ from those considered in this report. The extent of the limited area depends on soil and groundwater conditions, the positions of any current structures and underground facilities, and natural and other activities on site. In addition, chemical analysis was carried out for a limited set of parameters [as stipulated in the contract between the client and Earth Environmental & Geotechnical Ltd], based on the available operational and historical information, and it should not be inferred that other chemical species are absent.

The groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The normal speed of investigation usually does not permit the recording of an equilibrium water level for any one water strike. Moreover, groundwater levels vary seasonally and with local drainage conditions, and higher levels may occur at other times of the year than those recorded during this investigation.

Any site drawing(s) provided in this report are not meant to be an accurate base plan but are used to present the general relative locations of features on and surrounding the site.