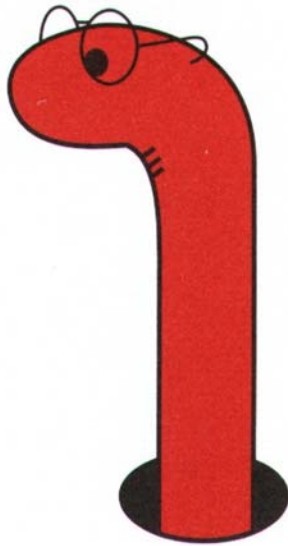


Electronic Report



WORMS EYE

Worms Eye Ltd
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Our Ref: Harefield Drive / OL10 1RN / 2016
Date: 4 May 2022

Ben Snape
Warren Court
Harefield Drive
Heywood
OL10 1RN

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PROPOSED HOUSE, WARREN COURT, HAREFIELD DRIVE, HEYWOOD, OL10 1RN

INTRUSIVE REPORT

INTRODUCTION

It is proposed to build a house. Following a Preliminary Risk Assessment (4/4/22) instructions were to carry out boreholes, tests and gas testing to investigate potential geotechnical, contamination and landfill gas issues.

SITE LOCATION

The site is rectangular, 48 by 50m, located to the southeast of Harefield Drive in Heywood at an OS Grid Reference 386700, 410840. In 2016 the site comprised a former walled garden, with a derelict cottage and a drive. A brick wall, about 2m high, ran along the north boundary. Immediately west of the house was a small caravan and a small JCB. Just off the northeast corner of the house was a pile of asbestos cement roof sheets with a puddle of possible blue dye or paint. At the south of the site is a retaining wall, with a drop down about 1.5m on the south side of the wall.

By 2022, the cottage has been demolished and the site is a mainly grass surfaced garden, having been extensively improved since 2016. There are buried shipping containers towards the east and northwest, and two vehicles at the northwest. There are now no obvious signs of contamination.

There are fields and woods to the north, east and south. To the west is Harefield Hall Farm and to the northwest are houses. The site is generally level, and the surrounding area slopes down to the south.

PROPOSED DEVELOPMENT

It is proposed to build a detached house on the north of the site, with parking at the northwest corner and gardens to the northeast and south.

PRELIMINARY RISK ASSESSMENT

Worms Eye carried out a PRA dated 4/4/22, the salient points were:

Industry Profile

The site has had no industrial use.

Contamination

The site is a garden, formerly occupied by a house and gardens, originally a walled garden for Harefield Hall. There has been no use from which high levels of contamination would be expected. However, early pesticides (often used on well maintained gardens) included PAHs and heavy metals. High levels are not expected, but, may be present at levels exceeding stringent residential thresholds.

Asbestos fibres may be present on the north of the site, around former buildings, and an asbestos pile by the northeast corner of the house in 2016, suggested fibres may be present elsewhere. An unusual 'blue' puddle, possibly dye or paint, in 2016 is now not present. Bearing in mind, since 2016, the garden has been extensively improved, it is considered that this does not pose a risk.

The proposed development will be a house with gardens, potential pollutant linkages are:

- Direct contact with soil.
- Ingestion of soil.
- From homegrown vegetables and soil attached to vegetables.
- Inhalation and ingestion of dust.
- Sulphate attack on buried concrete.

A low to moderate risk to householders is anticipated. High levels of contaminants are not expected, but levels may exceed stringent residential thresholds.

Controlled Waters

There is an underlying Secondary A aquifer beneath sand and gravel (Secondary A Aquifer). There are no nearby abstraction points or source protection zones.

Roeacre Brook is 68 metres south.

Although the gardens will allow rainwater to pass through the surface soils, contamination is not expected at high levels and it is anticipated there will be no risk to controlled waters. No further action is considered necessary at this stage. This will need to be reviewed following the soil tests.

PRA Re-Cap Continued

Landfill Gas/Ground Gas

There are two landfill sites within 250 metres, including a household waste site (53 metres south). These are considered to have a moderate to very high gas generation potential. Bearing in mind the distance, together with underlying sand and gravel, there is a potential moderate to high risk to the development and a gas testing programme is required.

Radon

Radon protection measures are not required.

Foundations

The geology map suggests the site is underlain by sand and gravel. This can provide variable conditions for foundations and a range of options may need to be considered.

Pollutant Linkages

The potential pollutant linkages revealed by the PRA as requiring further investigation were:

Source	Receptors	Pathway	Potential/Likely Pollutant Linkage
Asbestos	End-users	Inhalation	Yes
Inorganic contaminants	Householders	Direct contact, ingestion, from home grown vegetables, inhalation of dust	Possible
	Groundwater	Leaching towards	No
	River/stream	Leaching towards	No
Sulphate	Building fabric	Concrete directly in contact with soil	No
Hydrocarbons	Householders	Direct contact, ingestion, from home grown vegetables, inhalation of dust	Yes
	Service pipes	Seeping into drinking water pipes	Unlikely
	Groundwater	Migrating towards	No
	River/stream	Migrating/leaching towards	No
Hydrocarbon vapours	Householders	Inhalation of vapours indoors and outdoors	No
Landfill gas	End-users - in buildings	Seeping into buildings, explosion, asphyxiation	Yes
Radon	End-users - in buildings	Seeping into buildings	No

End of PRA Re-Cap

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GROUND INVESTIGATIONS

A series of five boreholes, one dynamic probe and twelve trial holes were carried out. Each borehole was preceded by a shallow trial hole/ starter pit. Details are given on the location plan, borehole logs, trial hole logs and dynamic probe logs enclosed with this report.

Trial holes

Twelve THs were excavated, up to 1.0m deep, to collect samples for testing. These show topsoil at ground level at the northeast, southeast and southwest to between 0.15 – 0.3m overlying sand.

THs at the northwest/middle encountered made ground (brick, gravel, sand, soil, concrete, clinker, ash) to variable depths, between 0.3 to 0.8m deep, overlying sand in most places.

TH1, at the west/middle, showed made ground to 0.49m where topsoil was encountered, continuing in topsoil to its base at 1.1m deep.

TH9, at the northwest, refused at 0.5m on an obstruction.

Boreholes

Boreholes 1 – 5 were drilled through TH1s 1 – 5 respectively. These showed sand to continue below the base of the TH and extend down to below 6.0m deep.

The sand was typically low strength. BHs 2, 3 and 5 had medium strength sand at 1.0m, becoming low strength below 3.0m in TH2 and 3. TH5 continued in medium strength clay down to 6.0m.

The following approximates to a section looking north.

Findings	TH4/BH4 (m)	TH1/BH1 (m)	TH2/BH2/Pr2 (m)	TH5/BH5 (m)	TH3/BH3 (m)
Made ground	0.0 – 0.65	0.0 – 0.49	0.0 – 0.39	0.0 – 0.88	0.0 – 0.8
Topsoil	-	0.49 – 1.1	0.39 – 0.68	-	-
Low strength sand	0.65 – 6.0+	1.1 – 6.0+	0.68 – 1.0	0.88 – 1.0	0.8 – 1.0
Medium strength sand	-	-	1.0 – 3.0	1.0 – 6.0+	1.0 – 3.0
Low strength sand	-	-	3.0 – 6.0+	-	3.0 – 6.0+
Probe (high strength)	-	-	10.2 – 12+	-	-
Water	Dry	Dry	Dry	Dry	Dry

CONTAMINATION TESTING

Fourteen samples were tested for a range of contaminants indicated by the PRA. The results are included in table form with this report. Abbreviations and acronyms are given after the appendix list.

The maximum contamination values have been compared with residential C4Ls, soil guideline values provided by CLEA and values based on the LQM/CIEH S4ULS. In accordance with guidance provided by the AGS, threshold values from other sources have been used for screening purposes. This information has been brought together on the Comparison Table included with this report.

Asbestos – No asbestos fibres were detected.

Inorganics (metals etc.) – Levels of inorganic contaminants were below residential thresholds.

Sulphate – Water Soluble Sulphate levels in TH6 and TH7, at 0.25m, exceed the BRE action level for buried concrete.

Hydrocarbons – TPHs and phenols are below residential thresholds.

Regarding PAHs, these are all below their respective residential threshold, except dibenzo(ah)anthracene (DbA) which exceeds the threshold in TH9 at 0.25m.

Drinking Water Pipes

Comparing test results against trigger levels for drinking water pipes shows levels of contaminants exceed the threshold in TH10 at 0.9m.

DISPOSAL OF EXCAVATED SOIL

Results have been compared with hazardous waste thresholds and a Hazwaste Report is enclosed. This suggests excavated soil should not be classed as hazardous waste.

Levels of Total Organic Carbon (TOC) in TH9 exceed the threshold for disposal at waste landfill without treatment, with levels in TH3 and, TH6 and TH7 exceeding the threshold for disposal at inert waste landfill.

GAS TESTING

Gas Monitors

Boreholes 1, 2 and 5 were converted to gas monitors as follow:

	BH1 (m)	BH2 (m)	BH5 (m)
Plain pipe	0.0 – 1.0	0.0 – 1.0	0.0 – 1.0
Base of slotted pipe	4.0	3.0	4.0
Response zone	1.0 – 4.0	1.0 – 3.0	1.0 – 4.0

Gas Test Results

To date nine gas tests have been carried out on three occasions. Worst-case values are:

Gas	Site Value	Limit of detection
Methane %	0.0	0.1
Oxygen %	14.8	0.1
Carbon dioxide %	8.2	0.1
Flow rate l/hr	0.0	0.1

Assessing Risks - CIRIA

The method recommended in CIRIA Report **C665 (2007)** "Assessing risks posed by hazardous ground gases to building, Table 8.7", is used to classify the site. These range from a Characteristic Situation 1 (negligible gas) through to 6 (very high gas).

The gas screening values (GSV) are calculated from the worst-case values as follows:

	Site Value	Characteristic Situation 1		Characteristic Situation 2		Characteristic Situation 3	
		Threshold	Pass/Fail	Threshold	Pass/Fail	Threshold	Pass/Fail
Outflow (l/hr)	<0.1	-	-	70	P		
Methane - Total (%)	<0.1	1	P	-	-	-	
Methane GSV (l/hr)	<0.0001	0.07	P	0.7	P		
CO ₂ -Total (%)	8.2	5	F	-	-	-	
CO ₂ GSV (l/hr)	<0.0008	0.07	P	0.7	P		

Gas screening value = gas concentration (%) multiplied by outflow (l/hr)

These conditions currently classify the site Situation 2, based on maximum carbon dioxide levels.

DISCUSSION

Contamination

Contamination tests show low levels of contaminants, below residential thresholds, except DbA in TH9 at 0.25m which slightly exceeds the threshold. Considering this further, the remaining tests are all well below the threshold. Considering the site as a whole, this shows an average of 0.14 mg/kg, below the threshold of 0.28 mg/kg. It is, therefore, considered that the DbA seen in TH9 does not pose a risk. Furthermore, TH9 will be below the proposed driveway.

The findings suggest now risk to householders from contamination and no further action or remedial works are required.

Water Soluble Sulphate levels are raised in TH6 and TH7, slightly exceeding the threshold. Considering this further, TH6 and TH7 are located in the proposed gardens, away from the proposed house. Levels in TH1 – TH5, in the area of the proposed house, are all significantly below the BRE action level. Therefore, it is considered that sulphate resistant concrete is not required.

Contamination levels exceed trigger levels for drinking water pipes. High Specification, coated, drinking water pipes are required.

Levels of volatile hydrocarbons are low and there is no risk from hydrocarbon vapours.

Excavated Soils

Test results suggest excavated soil would not be classed as hazardous waste.

Levels of TOC are raised, and may pose difficulties for disposal off-site to landfill.

Controlled Waters

Regarding risks to controlled waters:

- The site is underlain by a Secondary A aquifer.
- There are no nearby abstraction points or source protection zone.
- The nearest water course is Roeacre Brook, 68m south.
- The levels of contaminants are low.

Bearing in mind all of the above factors, it is considered that there are no risks to controlled waters are very low and that no significant pathway will arise.

Landfill Gas/Ground Gas

The tests currently show a characteristic situation 2, based on maximum carbon dioxide levels in BH1. However, there was no detectable outflow of gas from the ground, and levels of gases in BH2 and BH5 are below thresholds, and also show no detectable gas outflow.

Bearing in mind no methane was detected, no gas outflow was detected and the slightly raised carbon dioxide was only seen in one monitoring well, it is considered that the findings show a very low gas risk and that a characteristic situation 1 can be used, requiring no special precautions. This is subject to the final test results showing no change in the situation.

Foundations

The findings show reasonable conditions on the east of the site, however, there are poorer conditions on the west of the site.

Although shallow footings may be possible on the east of the site, there is no competent strata on the west of the site, with low to medium strength sand in BH4 extending to over 6m deep, and low strength sand in BH1 extending to over 6m deep.

Probe 2 showed low to medium strength strata to extend to about 8m, with high strength strata seen below about 10m deep. Bedrock was not found.

It is considered that the most suitable foundation would be to remove the shallow topsoil and construct a reinforced concrete raft, on a rolled and compacted formation, with an allowable bearing capacity of 50KN/m².

CONCEPTUAL MODEL

Source	Receptors	Pathway	Complete Pollutant Linkage
Asbestos (none seen)	End-users	Inhalation	No
Inorganic contaminants (low)	Householders	Direct contact, ingestion, from home grown vegetables, inhalation of dust	No
	Groundwater	Leaching towards	No
	River/stream	Leaching towards	No
Sulphate (mostly low)	Building fabric	Concrete directly in contact with soil	No
Hydrocarbons (low)	Householders	Direct contact, ingestion, from home grown vegetables, inhalation of dust	No
	Service pipes	Seeping into drinking water pipes	Yes
	Groundwater	Migrating towards	No
	River/stream	Migrating/leaching towards	No
Hydrocarbon vapours (low)	Householders	Inhalation of vapours indoors and outdoors	No
Landfill gas	End-users - in buildings	Seeping into buildings, explosion, asphyxiation	Await final test
Radon	End-users - in buildings	Seeping into buildings	No

BREAKING PATHWAYS

Construction Workers

Site workers should be made aware of the hazards of working with contaminated soils, and appropriate procedures and PPE adopted to ensure the health and safety of the site operative. All site personnel should be briefed on the discovery strategy in the watching brief and what actions they must take in the event that further evidence of contamination is identified or suspected.

Normal precautions for an urban renewal type project are required. These would include the use of gloves and the provision of washing facilities to avoid ingestion of contaminants.

Watching Brief

A watching brief for unexpected contaminants should be maintained. If unexpected contaminants (e.g. asbestos, oily material, unusual smells) are seen, especially during excavations, work should cease and the consultant be notified and the site inspected.

We suggest taking regular photographs (daily or more frequent) of excavations to include in the validation report.

Excavated Soils

Test results suggest excavated soil would not be classed as hazardous waste. Levels of TOC are raised and may pose difficulties for disposal off-site to landfill. The results should be issued to the receiving site for confirmation of its status.

Service Pipes

To avoid hydrocarbons seeping into drinking water pipes, high specification coated barrier pipes to Water Company approval (e.g. Protectaline) are required.

Imported Soils

All soils (e.g. topsoil, bulk fill hardcore) and similar materials imported on-site to be proved to be uncontaminated. Imported material will require testing as follows:

- Greenfield soils – minimum of 3 tests or 1 test per 100m³ (whichever is greater). Testing to include arsenic, cadmium, chromium (total), chromium VI, copper, mercury, nickel, lead, selenium, zinc, PAH (16 USEPA speciation), asbestos, TPHs (speciated), boron, cyanide, thiocyanate, sulphide, sulphur, sulphate, pH, Som.
- Brownfield/screened/manufactured soils – minimum of 3 tests or 1 test per 50m³ (whichever is greater). Testing to include arsenic, cadmium, chromium (total), chromium VI, copper, mercury, nickel, lead, selenium, zinc, PAH (16 USEPA speciation) asbestos, TPHs (speciated), boron, cyanide, thiocyanate, sulphide, sulphur, sulphate, pH, Som.

Soil Screen Values

Tests carried out on the imported material, either by the supplier or the consultant, to be screened against residential values, based on 1% SOM. If these are exceeded, site specific value may be derived, subject to them being appropriate.

Validation

A validation report will be required on completion, this will require but not necessarily be limited to:

- Tickets from waste removal contractor and receiving landfill.
- Contamination test results for tests on imported soils.
- Photographs to confirm thickness of imported soil types.
- Document (receipt, delivery notes) to show soil types and sources.
- Confirmation from the Water Authority of final water pipe connection.
- Certificate/invoice from supplier to confirm appropriate water pipes have been used.

This report is usually a collaboration between the contractor, who will collect the above documentation and Worms Eye, who can assist in preparing the Validation Report

OPINION

Contaminated Soils

Test results show levels to be below appropriate thresholds, indicating no risk to householders. No special precautions are required.

Sulphate resistant concrete is not required.

There are no risks from hydrocarbon vapours.

High specification, coated, drinking water pipes are required.

Excavated Soils

Test results suggest excavated soil would not be classed as hazardous waste.

Levels of TOC are raised and may pose difficulties for disposal off-site to landfill. The results should be issued to the receiving site for confirmation of its status.

Controlled Waters

The findings show no risk to controlled waters and no further action is required.

Gas Testing

The tests currently show slightly raised carbon dioxide levels in BH1. However, there was no detectable outflow of gas from the ground, and levels of gases in BH2 and BH5 are below thresholds.

It is considered that the findings show a very low gas risk and that a characteristic situation 1 can be used, requiring no special precautions.

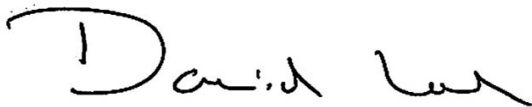
Testing continues and the results will be forwarded in a supplementary report. This may show a change in the current situation, and may worsen as further tests are carried out.

Foundations

The findings show reasonable conditions on the east of the site, however, there are poorer conditions on the west of the site.

It is considered that the most suitable foundation would be to remove the shallow topsoil and construct a reinforced concrete raft, on a rolled and compacted formation, with an allowable bearing capacity of 50KN/m².

Yours faithfully
on behalf of Worms Eye Ltd

A handwritten signature in black ink, appearing to read 'David Lord', with a stylized, cursive script.

David Lord
BSc (Hons)
FGS, MEnvSc, AIEMA

PROPOSED HOUSE, WARREN COURT, HAREFIELD DRIVE, HEYWOOD, OL10 1RN

List of Appendices – Intrusive Report

List of Acronyms

Existing site plan - showing borehole and trial hole locations

Proposed site plan – showing borehole and trial hole locations

Window Samper Borehole Logs

Dynamic Probe Log

Trial Hole Logs

Contamination Test Results - Soil

Contamination Comparison Table – Soil

Hazwaste Report

Gas Test Results

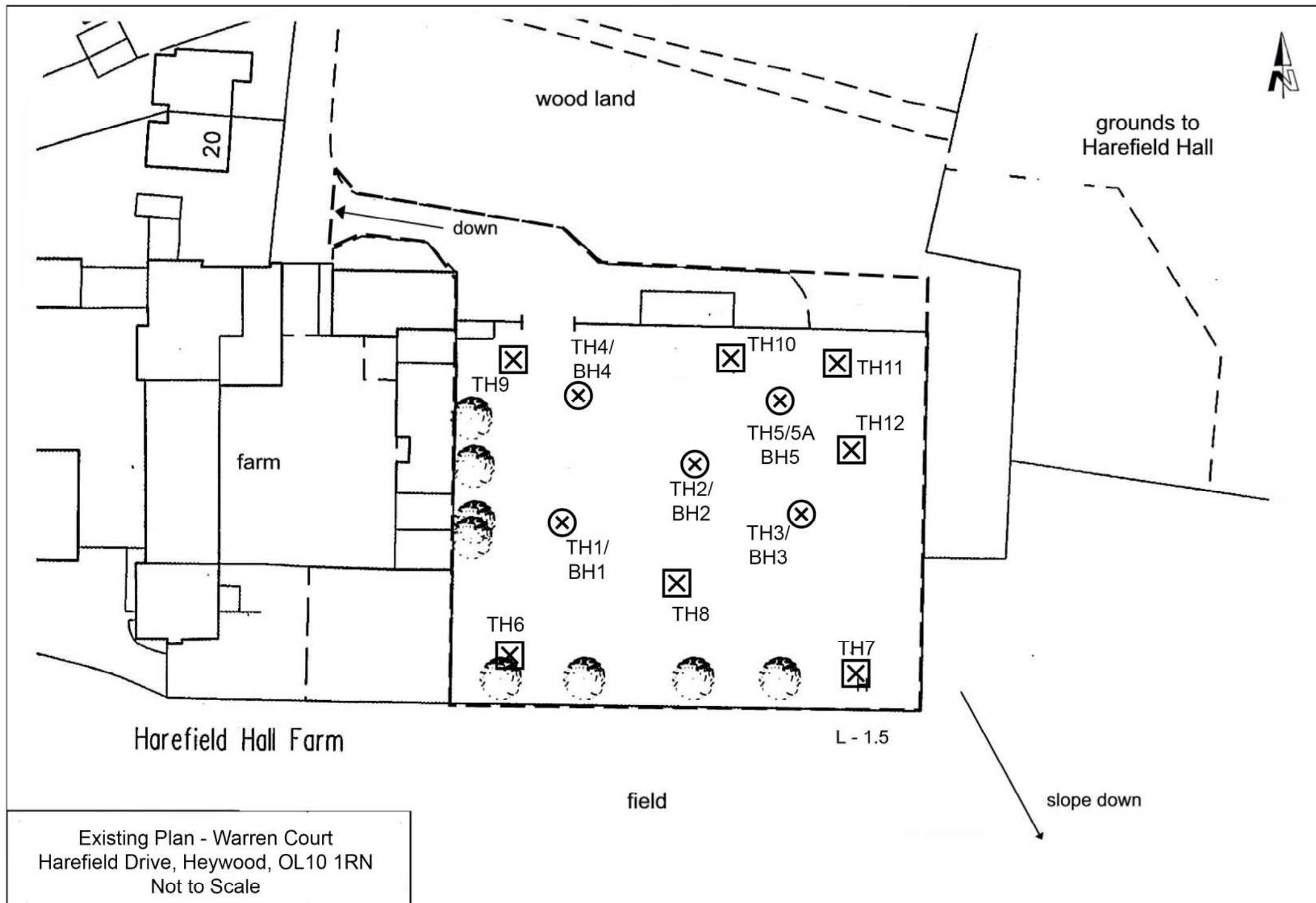
CONTAMINATION TEST UNITS

Conversion factor	Name	Symbol	Numerical Value	Alternative description	Commonly used for:
	per cent	%	1 in 100 (10 ²)		total sulphur, hazardous waste
% x10	parts per thousand	‰	1 in 1000 (10 ³)	g/l (grams per litre)	water soluble sulphate test
‰ x 1,000	parts per million	ppm	1 in 1,000,000 (10 ⁶)	mg/kg (milligrams per kilogram)	most soil tests
				mg/l (milligrams per litre)	water tests
ppm x 1,000	parts per billion	ppb	1 in 1,000,000,000 (10 ⁹)	µg/kg (micrograms per kilogram)	PAH soil tests
				µg/l (micrograms per litre)	water/leachate tests
ppb x 1,000	parts per trillion	ppt	1 in 1,000,000,000,000 (10 ¹²)	ng/kg (nanograms per kilogram)	PAH soil tests
				ng/l (nanograms per litre)	water/leachate tests

ABBREVIATIONS

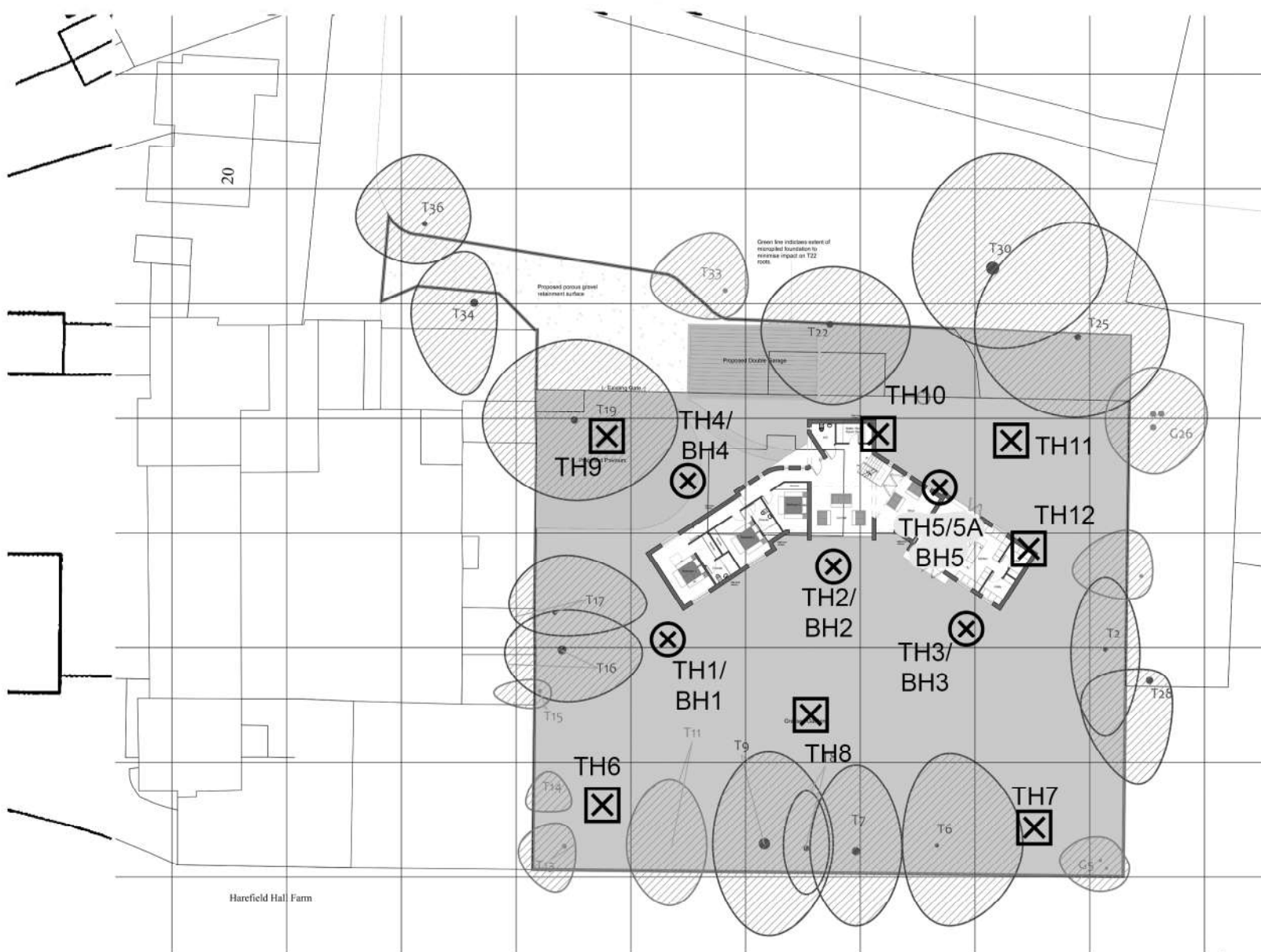
<u>Chemical</u>	BAP	Benzo(a)pyrene
	BTEX	Benzene, toluene, ethylbenzene, xylene
	DAHA	Dibenzo(ah)anthracene
	MTBE	Methyl tertiaryt-butyl ether (additive to petrol)
	EPH	Extractable petroleum hydrocarbons (formerly diesel range organics – DRO)
	NFD	No fibres detected (asbestos test)
	PAH	Polycyclic aromatic hydrocarbons
	PCB	Polychlorinated biphenyls
	PCE	Perchloroethylene or tetrachloroethylene
	PID	Photo ionisation detector (screen for VOC)
	PRO/GRO	Petrol range organics/gasoline range organics
	SVOC	Semi-volatile organic compounds
	TCE	Trichloroethylene
	TPH	Total petroleum hydrocarbons
	VOC	Volatile organic compounds
<u>Other</u>	AGS	Association of Geotechnical Specialists
	BGS	British Geological Survey
	BRE	Building Research Establishment
	CBR	California Bearing Ratio
	CIEH	Chartered Institute of Environmental Health
	CIRIA	Construction Industry Research and Information Association
	CLEA	Contaminated Land Exposure Assessment (Environment Agency/DEFRA)
	CLR 8	Contaminated Land Research Report 8 (Environment Agency/DEFRA)
	DWQ	Drinking water quality
	EA	Environment Agency
	EQS	Environmental quality standards (for rivers etc.)
	ICRCL	Inter-departmental Commission for the Reclamation of Contaminated Land
	LQM	Land Quality Management Ltd (Land and Environmental Consultancy).
	NHBC	National House Builders Council
	SGV	Soil Guideline Values
	SPT	Standard penetration test

1. This report should be considered in relation to the objectives agreed between Worms Eye and the Client, outlined in the introduction.
2. For the work, reliance has been placed on publicly available data, obtained from the sources identified in the report. The information is not exhaustive and further information may be available from other sources. When using the information it has been assumed it is correct, and no attempt has been made to verify the information.
3. This report has been produced in accordance with current UK policy and guidelines, for land and groundwater contamination, enforced by the Local Authority and the Environment Agency.
4. During the site walkover, reasonable effort was made to obtain an overview of the site. However, no attempt was made to enter areas that are unsafe, a risk to health and safety, locked, barricaded, overgrown, or areas not made accessible.
5. Access, the presence of services and activities on the site, limited locations where sampling could be carried out and the techniques that could be used.
6. Assessments are based on available information at the time of writing and are ultimately for the decision of the regulatory authorities.
7. The conclusions and recommendations provide an overview and guidance only and should not be specifically relied upon without considering the context of the report in full.
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9. New information, revised practices, or changes in legislation, may necessitate the re-interpretation of the report, in whole or in part.





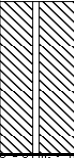
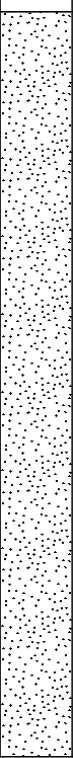
grounds to
Harefield Hall



field

slope down

Proposed Plan - Warren Court
Harefield Drive, Heywood, OL10 1RN
Not to Scale

Worms Eye Limited PO Box 1157 COLNE, BB9 4HS					Site Warren Court, Heywood			Number BH1		
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD)		Client Ben Snape			Job Number OL10 1RN	
		Location West/middle (See TH1)		Dates 05/04/2022		Project Contractor Worms Eye Ltd.			Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr	
1.10-1.55	SPT N=6		1,1/1,1,2,2		(1.10)	See TH1.				
					1.10	Low strength brown SAND.				
2.10-2.55	SPT N=5		1,1/1,1,1,2							
3.50-3.95	SPT N=8		1,2/2,2,2,2		(4.90)					
4.70-5.15	SPT N=5		1,1/1,1,2,1							
					6.00	Complete at 6.00m				
Remarks Dry during drilling. See Trial Hole 1.							Scale (approx) 1:50	Logged By EW		
							Figure No. OL10 1RN.BH1			

Worms Eye Limited

PO Box 1157
COLNE, BB9 4HS

Site
Warren Court, Heywood

Number
BH2

Excavation Method
Drive-in Windowless Sampler

Dimensions

Location
South/middle (See TH2)

Ground Level (mOD)

Dates
04/04/2022

Client
Ben Snape

Project Contractor
Worms Eye Ltd.

Job Number
OL10 1RN

Sheet
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
						See TH2.			
					(1.00)				
					1.00	Medium strength brown SAND with rare gravel inclusions.			
					(2.00)				
					3.00	Low strength brown SAND with rare gravel inclusions.			
					(3.00)				
					6.00	Complete at 6.00m			

Remarks Dry during drilling. See Trial Hole 2.	Scale (approx)	Logged By
	1:50	EW
	Figure No. OL10 1RN.BH2	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Number BH3	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location East/middle (See TH3)		Dates 05/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
1.10-1.55	SPT N=16		2,4/4,4,4,4			See TH3.			
					(1.00)				
					1.00	Medium strength brown SAND.			
1.90-2.35	SPT N=14		2,2/3,3,4,4		(2.00)				
2.90-3.35	SPT N=8		1,1/2,2,2,2		3.00	Low strength brown SAND.			
4.20-4.65	SPT N=5		1,1/1,1,2,1						
					(3.00)				
					6.00	Complete at 6.00m			
Remarks Dry during drilling. See Trial Hole 3.								Scale (approx)	Logged By
								1:50	EW
								Figure No. OL10 1RN.BH3	

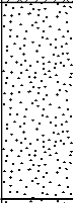
Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Number BH4	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Northwest (See TH4)		Dates 05/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
1.10-1.55	SPT N=8		1,2/2,2,2,2		(1.00) 1.00	See TH4.			
						Low to medium strength brown SAND with a small amount of very dark grey shale fragments from 1.8 to 1.9m deep (with rare fragments of coal at depth).			
2.10-2.55	SPT N=6		1,1/1,2,1,2						
3.40-3.85	SPT N=10		1,2/2,3,2,3		(5.00)				
4.70-5.15	SPT N=7		1,2/2,1,2,2		6.00				
						Complete at 6.00m			
Remarks Dry during drilling. See Trial Hole 4.								Scale (approx) 1:50	Logged By EW
								Figure No. OL10 1RN.BH4	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Number BH5	
Excavation Method Drive-in Windowless Sampler		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location North/middle (See TH5A)		Dates 05/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
1.00-1.45	SPT N=15		2,2/2,4,4,5		(1.00)	See TH5A.			
					1.00	Medium strength brown SAND with low strength band at about 2.5m.			
1.70-2.15	SPT N=17		2,3/4,4,5,4						
2.70-3.15	SPT N=6		1,1/1,2,1,2						
3.90-4.35	SPT N=12		2,2/3,3,3,3		(5.00)				
					6.00	Complete at 6.00m			
Remarks Dry during drilling. See Trial Hole 5A.							Scale (approx) 1:50	Logged By EW	
							Figure No. OL10 1RN.BH5		

Worms Eye Limited PO Box 1157 COLNE, BB9 4HS			Site Warren Court, Heywood		Probe Number PR2
Method Dynamic Probing		Cone Dimensions	Ground Level (mOD)	Client Ben Snape	Job Number OL10 1RN
		Location Middle (See TH2/BH2)	Dates 04/04/2022	Engineer David Lord	Sheet 1/2
Depth (m)	Blows for Depth Increment	Field Records	Level (mOD)	Depth (m)	Blows for Depth Increment 0481216202428323640
0.00-0.30	36			0.00	
0.30-0.60	16				
0.60-0.90	7				
0.90-1.20	16			1.00	
1.20-1.50	17				
1.50-1.80	16				
1.80-2.10	15				
2.10-2.40	12			2.00	
2.40-2.70	10				
2.70-3.00	9				
3.00-3.30	9			3.00	
3.30-3.60	7				
3.60-3.90	9				
3.90-4.20	5			4.00	
4.20-4.50	5				
4.50-4.80	8				
4.80-5.10	6			5.00	
5.10-5.40	5				
5.40-5.70	7				
5.70-6.00	8				
6.00-6.30	8			6.00	
6.30-6.60	6				
6.60-6.90	8				
6.90-7.20	8			7.00	
7.20-7.50	9				
7.50-7.80	9				
7.80-8.10	10			8.00	
8.10-8.40	11				
8.40-8.70	11				
8.70-9.00	12				
9.00-9.30	13			9.00	
9.30-9.60	13				
9.60-9.90	13				
				10.00	
Remarks					Scale (approx) 1:50 Logged By EW Figure No. OL10 1RN.PR2

Worms Eye Limited			PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood			Probe Number PR2											
Method Dynamic Probing		Cone Dimensions	Ground Level (mOD)		Client Ben Snape				Job Number OL10 1RN										
		Location Middle (See TH2/BH2)	Dates 04/04/2022		Engineer David Lord				Sheet 2/2										
Depth (m)	Blows for Depth Increment	Field Records	Level (mOD)	Depth (m)	Blows for Depth Increment														
					0	4	8	12	16	20	24	28	32	36	40				
9.90-10.20	15			10.00															
10.20-10.50	17																		
10.50-10.80	17																		
10.80-11.10	21																		
11.10-11.40	26																		
11.40-11.70	30																		
11.70-12.00	32																		
Remarks																Scale (approx)	Logged By		
																1:50	EW		
																Figure No. OL10 1RN.PR2			

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH1	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location West/middle (See BH1)		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.49)	Brown sandy topsoil with gravel and occasional glass piece (MADE GROUND).			
					0.49 (0.61)	Compact black sandy topsoil.			
					1.10	Complete at 1.10m			
						Remarks Continued as BH1			
						Scale (approx) 1:25		Logged By EW	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH10	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location North/middle		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.30) 0.30 (0.65) 0.95 1.00	Brown sandy topsoil Brown sand. Orangish brown sand. Complete at 1.00m		  	
						Remarks			
						Scale (approx) 1:25	Logged By EW	Figure No. OL10 1RN.TH10	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH11	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Northeast				Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
						Dark brown sandy topsoil with rare brick and gravel.			
					(0.28)				
					0.28	Brown sandy soil.			
					(0.32)				
					0.60	Complete at 0.60m			

Remarks

Scale (approx)

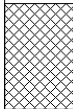
1:25

Logged By

EW

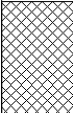
Figure No.

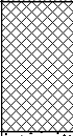
OL10 1RN.TH11

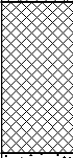
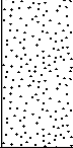
Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH12		
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN		
		Location Northeast				Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description			Legend	Water
					0.35 0.35 0.15 0.50	Brown sandy soil with occasional brick and piece of sandstone.				
						Dark brown clayey topsoil.				
						Complete at 0.50m				



Remarks		
Scale (approx) 1:25	Logged By EW	Figure No. OL10 1RN.TH12

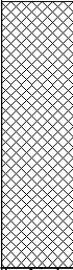
Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH2	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Middle (See BH2)		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.39)	Brown sandy soil with brick and gravel pieces (MADE GROUND), with brick and concrete pieces at 0.3m.			
					0.39 (0.29)	Brown sandy topsoil with rare brick.			
					0.68 (0.32)	Orangish brown sand.			
					1.00	Complete at 1.00m			
									
Remarks Continued as BH2.									
Scale (approx) 1:25					Logged By EW			Figure No. OL10 1RN.TH2	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH3	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Southeast/middle (See BH3)		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.15) 0.15 (0.22) 0.37 (0.43) 0.80 (0.20) 1.00	Brown clayey gravelly topsoil. Clay with gravel and concrete (MADE GROUND). Compact black soil with brick, pockets of clinker and gravel (MADE GROUND). Brown sand. Complete at 1.00m		   	
						Remarks Continued as BH3.			
						Scale (approx) 1:25		Logged By EW	

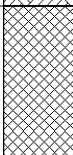
Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH4	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Northwest (See BH4)		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.15) 0.15 (0.50) 0.65 (0.50) 1.15	Brown sandy topsoil. Dark brown sandy ash, brick and gravel (MADE GROUND). Orangish brown sand. Complete at 1.15m		  	
						Remarks Continued as BH4.			
						Scale (approx) 1:25		Logged By EW	

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH5	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location North/middle (See TH5A)				Dates 04/04/2022		Project Contractor Worms Eye Ltd.	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.13)	Brown topsoil.			
					0.13	Brick and gravel in brown soil matrix (MADE GROUND).			
					(0.27)				
					0.40	Dark brown slightly sandy soil, with concrete at base.			
					(0.15)				
					0.55	Complete at 0.55m			

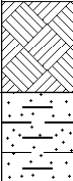
	Remarks		
	Scale (approx) 1:25	Logged By EW	Figure No. OL10 1RN.TH5

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH5A	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location North/middle (See BH5)		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
					(0.88) 0.88 (0.12) 1.00	Brick, concrete, stone and gravel in a brown sandy matrix (MADE GROUND), with a layer of stone and brick at 0.49 - 0.71m.			
						Orangish brown sand.			
						Complete at 1.00m			
						Remarks Continued as BH5.			
						Scale (approx) 1:25		Logged By EW	

[illegible]

Site Warren Court, Heywood		Trial Pit Number TH6	
Client Ben Snape		Job Number OL10 1RN	
Project Contractor Worms Eye Ltd.		Sheet 1/1	
Description		Legend	Water
Brown topsoil			
Dark brown sandy soil with sandstone.			
Complete at 0.65m			

Remarks		
Scale (approx)	Logged By	Figure No.
1:25	EW	OL10 1RN.TH6

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH7
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN
		Location Southeast		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.30) 0.30 (0.30) 0.60	Dark brown clayey topsoil with abundant roots. Light brown sandy clay. Complete at 0.60m		



Remarks

Scale (approx)
1:25

Logged By
EW

Figure No.
OL10 1RN.TH7

Worms Eye Limited				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH8
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN
		Location South/middle		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.15)	Brown topsoil.		
					0.15	Brick, gravel and sandstone in a sandy matrix (MADE GROUND).		
					(0.25)			
					0.40	Orangish brown sand.		
					(0.50)			
					0.90	Complete at 0.90m		



Remarks

Scale (approx)

1:25

Logged By

EW

Figure No.

OL10 1RN.TH8

Worms Eye Limted				PO Box 1157 COLNE, BB9 4HS		Site Warren Court, Heywood		Trial Pit Number TH9	
Excavation Method Trial Pit		Dimensions		Ground Level (mOD)		Client Ben Snape		Job Number OL10 1RN	
		Location Northwest		Dates 04/04/2022		Project Contractor Worms Eye Ltd.		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
						Black gravel, clinker, ash, tile and concrete (MADE GROUND).			
						Black topsoil material with brick and gravel, with concrete at the base.			
						Complete at 0.50m			
					Remarks				
					Scale (approx) 1:25		Logged By EW		Figure No. OL10 1RN.TH9



Amended Report

Report No.:	22-13281-2		
Initial Date of Issue:	14-Apr-2022	Date of Re-Issue:	19-Apr-2022
Client	Worms Eye Ltd		
Client Address:	PO Box 1157 Colne Lancashire BB9 4HS		
Contact(s):	David Lord		
Project	OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN		
Quotation No.:	Q19-18671	Date Received:	08-Apr-2022
Order No.:	4/4/22	Date Instructed:	08-Apr-2022
No. of Samples:	9		
Turnaround (Wkdays):	5	Results Due:	14-Apr-2022
Date Approved:	19-Apr-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408042	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-		-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	15	20	20		11		24	30	22
Soil Colour	N	2040		N/A	Brown	Brown	Brown		Brown		Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones		Stones		Stones	Stones	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand		Sand		Sand	Sand	Sand
pH	M	2010		4.0	8.4	8.6	8.5		7.6		8.3	7.6	8.1
Electrical Conductivity (2:1)	N	2020	µS/cm	1.0					350				
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.14	0.031	0.042				0.59	0.52	0.016
Redox Potential	N	2150	mV	N/A					-22				
Sulphur (Elemental)	M	2180	mg/kg	1.0	1.4	6.2	8.5				4.3	4.4	1.6
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50
Thiocyanate	M	2300	mg/kg	5.0	< 5.0	< 5.0	< 5.0				< 5.0	< 5.0	< 5.0
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	1.7	3.6	2.7				1.7	1.3	1.4
Sulphate (Total)	U	2430	mg/kg	100	380	1000	1300				430	950	420
Arsenic	M	2450	mg/kg	1.0	5.7	11	16				6.7	9.0	6.7
Cadmium	M	2450	mg/kg	0.10	< 0.10	0.24	0.35				0.18	0.13	0.12
Chromium	M	2450	mg/kg	1.0	5.4	9.8	15				5.4	6.7	6.3
Copper	M	2450	mg/kg	0.50	16	23	34				16	19	17
Mercury	M	2450	mg/kg	0.10	< 0.10	0.15	0.19				< 0.10	0.12	< 0.10
Nickel	M	2450	mg/kg	0.50	7.1	12	18				6.8	7.9	7.5
Lead	M	2450	mg/kg	0.50	54	100	180				75	48	74
Selenium	M	2450	mg/kg	0.20	0.27	0.44	0.46				0.31	0.33	0.28
Zinc	M	2450	mg/kg	0.50	35	83	85				63	29	40
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	2.9	5.0	5.9				6.2	8.3	3.6
Total Organic Carbon	M	2625	%	0.20	1.7	2.9	3.4				3.6	4.8	2.1
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	15	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	11	< 1.0	13				13	< 1.0	13
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	20	< 1.0	21				16	< 1.0	21
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	5.0	< 1.0	4.9				6.0	4.4	5.4
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	130	69	56				100	110	96

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	180	69	95				130	110
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	110	12	35				33	22
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0				< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	110	12	35				33	22
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	300	80	130				170	130
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	1.5	0.84				0.90	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	0.48	0.18				0.30	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	0.93	1.6	1.8				1.8	< 0.10
Pyrene	M	2700	mg/kg	0.10	1.4	2.0	2.2				2.1	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.5				0.86	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.3				1.2	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10				< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	2.3	5.6	8.8				7.2	< 2.0
Dichlorodifluoromethane	N	2760	µg/kg	0.20				< 0.20				
Chloromethane	N	2760	µg/kg	0.20				< 0.20				
Vinyl Chloride	N	2760	µg/kg	0.20				< 0.20				
Bromomethane	N	2760	µg/kg	0.20				< 0.20				
Chloroethane	N	2760	µg/kg	0.20				< 0.20				
Trichlorofluoromethane	N	2760	µg/kg	0.20				< 0.20				
1,1-Dichloroethene	N	2760	µg/kg	0.20				< 0.20				
Trans 1,2-Dichloroethene	N	2760	µg/kg	0.20				< 0.20				

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408042	1408043	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD										
1,1-Dichloroethane	N	2760	µg/kg	0.20					< 0.20					
cis 1,2-Dichloroethene	N	2760	µg/kg	0.20					< 0.20					
Bromochloromethane	N	2760	µg/kg	0.50					< 0.50					
Trichloromethane	N	2760	µg/kg	0.20					< 0.20					
1,1,1-Trichloroethane	N	2760	µg/kg	0.20					< 0.20					
Tetrachloromethane	N	2760	µg/kg	0.20					< 0.20					
1,1-Dichloropropene	N	2760	µg/kg	0.20					< 0.20					
Benzene	N	2760	µg/kg	0.20	0.29	0.25	< 0.20		< 0.20		< 0.20	< 0.20	< 0.20	< 0.20
1,2-Dichloroethane	N	2760	µg/kg	0.20					< 0.20					
Trichloroethene	N	2760	µg/kg	0.20					< 0.20					
1,2-Dichloropropane	N	2760	µg/kg	0.20					< 0.20					
Dibromomethane	N	2760	µg/kg	0.20					< 0.20					
Bromodichloromethane	N	2760	µg/kg	0.20					< 0.20					
cis-1,3-Dichloropropene	N	2760	µg/kg	0.20					< 0.20					
Toluene	N	2760	µg/kg	0.20	1.4	1.7	2.1		1.2		< 0.20	< 0.20	< 0.20	< 0.20
Trans-1,3-Dichloropropene	N	2760	µg/kg	0.20					< 0.20					
1,1,2-Trichloroethane	N	2760	µg/kg	0.20					< 0.20					
Tetrachloroethene	N	2760	µg/kg	0.20					< 0.20					
1,3-Dichloropropane	N	2760	µg/kg	0.20					< 0.20					
Dibromochloromethane	N	2760	µg/kg	0.20					< 0.20					
1,2-Dibromoethane	N	2760	µg/kg	0.20					< 0.20					
Chlorobenzene	N	2760	µg/kg	0.20					< 0.20					
1,1,1,2-Tetrachloroethane	N	2760	µg/kg	0.20					< 0.20					
Ethylbenzene	N	2760	µg/kg	0.20	0.34	0.31	0.30		0.25		< 0.20	< 0.20	< 0.20	< 0.20
m & p-Xylene	N	2760	µg/kg	0.20	1.3	0.85	0.48		0.21		< 0.20	< 0.20	< 0.20	< 0.20
o-Xylene	N	2760	µg/kg	0.20	0.87	0.36	0.35		0.31		< 0.20	< 0.20	< 0.20	< 0.20
Styrene	N	2760	µg/kg	0.20					< 0.20					
Tribromomethane	N	2760	µg/kg	0.20					< 0.20					
Isopropylbenzene	N	2760	µg/kg	0.20					< 0.20					
Bromobenzene	N	2760	µg/kg	0.20					< 0.20					
1,2,3-Trichloropropane	N	2760	µg/kg	0.20					< 0.20					
2-Chlorotoluene	N	2760	µg/kg	0.20					< 0.20					
1,3,5-Trimethylbenzene	N	2760	µg/kg	0.20					< 0.20					
4-Chlorotoluene	N	2760	µg/kg	0.20					< 0.20					
Tert-Butylbenzene	N	2760	µg/kg	0.20					< 0.20					
1,2,4-Trimethylbenzene	N	2760	µg/kg	0.20					< 0.20					
Sec-Butylbenzene	N	2760	µg/kg	0.20					< 0.20					

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
1,3-Dichlorobenzene	N	2760	µg/kg	0.20					< 0.20			
4-Isopropyltoluene	N	2760	µg/kg	0.20					< 0.20			
1,4-Dichlorobenzene	N	2760	µg/kg	0.20					< 0.20			
N-Butylbenzene	N	2760	µg/kg	0.20					< 0.20			
1,2-Dichlorobenzene	N	2760	µg/kg	0.20					< 0.20			
1,2-Dibromo-3-Chloropropane	N	2760	µg/kg	0.20					< 0.20			
1,2,4-Trichlorobenzene	N	2760	µg/kg	0.20					< 0.20			
Hexachlorobutadiene	N	2760	µg/kg	0.20					< 0.20			
1,2,3-Trichlorobenzene	N	2760	µg/kg	0.20					< 0.20			
Methyl Tert-Butyl Ether	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20		< 0.20		< 0.20	< 0.20
N-Nitrosodimethylamine	N	2790	mg/kg	0.050					< 0.050			
Phenol	N	2790	mg/kg	0.050					< 0.050			
2-Chlorophenol	N	2790	mg/kg	0.050					< 0.050			
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050					< 0.050			
1,3-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050			
1,4-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050			
1,2-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050			
2-Methylphenol	N	2790	mg/kg	0.050					< 0.050			
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050					< 0.050			
Hexachloroethane	N	2790	mg/kg	0.050					< 0.050			
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050					< 0.050			
4-Methylphenol	N	2790	mg/kg	0.050					< 0.050			
Nitrobenzene	N	2790	mg/kg	0.050					< 0.050			
Isophorone	N	2790	mg/kg	0.050					< 0.050			
2-Nitrophenol	N	2790	mg/kg	0.050					< 0.050			
2,4-Dimethylphenol	N	2790	mg/kg	0.050					< 0.050			
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050					< 0.050			
2,4-Dichlorophenol	N	2790	mg/kg	0.050					< 0.050			
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050					< 0.050			
Naphthalene	N	2790	mg/kg	0.050					< 0.050			
4-Chloroaniline	N	2790	mg/kg	0.050					< 0.050			
Hexachlorobutadiene	N	2790	mg/kg	0.050					< 0.050			
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050					< 0.050			
2-Methylnaphthalene	N	2790	mg/kg	0.050					< 0.050			
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050					< 0.050			
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050					< 0.050			
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050					< 0.050			

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408042	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
2-Chloronaphthalene	N	2790	mg/kg	0.050					< 0.050				
2-Nitroaniline	N	2790	mg/kg	0.050					< 0.050				
Acenaphthylene	N	2790	mg/kg	0.050					< 0.050				
Dimethylphthalate	N	2790	mg/kg	0.050					< 0.050				
2,6-Dinitrotoluene	N	2790	mg/kg	0.050					< 0.050				
Acenaphthene	N	2790	mg/kg	0.050					< 0.050				
Dibenzofuran	N	2790	mg/kg	0.050					< 0.050				
4-Chlorophenylphenylether	N	2790	mg/kg	0.050					< 0.050				
2,4-Dinitrotoluene	N	2790	mg/kg	0.050					< 0.050				
Fluorene	N	2790	mg/kg	0.050					< 0.050				
Diethyl Phthalate	N	2790	mg/kg	0.050					< 0.050				
4-Nitroaniline	N	2790	mg/kg	0.050					< 0.050				
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050					< 0.050				
Azobenzene	N	2790	mg/kg	0.050					< 0.050				
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050					< 0.050				
Hexachlorobenzene	N	2790	mg/kg	0.050					< 0.050				
Pentachlorophenol	N	2790	mg/kg	0.050					< 0.050				
Phenanthrene	N	2790	mg/kg	0.050					< 0.050				
Anthracene	N	2790	mg/kg	0.050					< 0.050				
Carbazole	N	2790	mg/kg	0.050					< 0.050				
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050					< 0.050				
Fluoranthene	N	2790	mg/kg	0.050					< 0.050				
Pyrene	N	2790	mg/kg	0.050					< 0.050				
Butylbenzyl Phthalate	N	2790	mg/kg	0.050					< 0.050				
Benzo[a]anthracene	N	2790	mg/kg	0.050					< 0.050				
Chrysene	N	2790	mg/kg	0.050					< 0.050				
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050					< 0.050				
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050					< 0.050				
Benzo[b]fluoranthene	N	2790	mg/kg	0.050					< 0.050				
Benzo[k]fluoranthene	N	2790	mg/kg	0.050					< 0.050				
Benzo[a]pyrene	N	2790	mg/kg	0.050					< 0.050				
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050					< 0.050				
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050					< 0.050				
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050					< 0.050				
Resorcinol	M	2920	mg/kg	0.020					< 0.020				
Phenol	M	2920	mg/kg	0.020					< 0.020				
Cresols	M	2920	mg/kg	0.020					< 0.020				

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281	22-13281
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408035	1408036	1408037	1408038	1408039	1408040	1408041	1408042	1408043
	Client Sample ID.:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Location:				TH1	TH2	TH3	TH4	TH4	TH5	TH6	TH7	TH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.2	0.25	0.2	0.9	0.2	0.25	0.25	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Xylenols	M	2920	mg/kg	0.020					< 0.020				
1-Naphthol	N	2920	mg/kg	0.020					< 0.020				
Trimethylphenols	M	2920	mg/kg	0.020					< 0.020				
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10
SVOC TIC	N	2790	mg/kg	N/A					None Detected				
VOC TIC	N	2760	µg/kg	N/A					None Detected				

Results - Single Stage WAC

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Chemtest Job No: 22-13281					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1408035					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID: TH1							
Sample Location: TH1							
Top Depth(m): 0.25							
Bottom Depth(m):							
Sampling Date: 04-Apr-2022							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	1.7	3	5	6
Loss On Ignition	2610	M	%	4.3	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	300	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	2.3	100	--	--
pH	2010	M		8.4	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	< 0.0020	--	To evaluate	To evaluate
Eluate Analysis					Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0083	0.083	0.5	2	25
Barium	1455	U	0.010	0.10	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0046	0.046	0.5	10	70
Copper	1455	U	0.011	0.11	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0015	0.015	0.5	10	30
Nickel	1455	U	0.0054	0.054	0.4	10	40
Lead	1455	U	0.0065	0.065	0.5	10	50
Antimony	1455	U	0.017	0.17	0.06	0.7	5
Selenium	1455	U	0.0020	0.020	0.1	0.5	7
Zinc	1455	U	0.009	0.089	4	50	200
Chloride	1220	U	8.7	87	800	15000	25000
Fluoride	1220	U	0.21	2.1	10	150	500
Sulphate	1220	U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	85	840	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	57	570	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	15

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Chemtest Job No: 22-13281 Chemtest Sample ID: 1408037 Sample Ref: Sample ID: TH3 Sample Location: TH3 Top Depth(m): 0.25 Bottom Depth(m): Sampling Date: 04-Apr-2022					Landfill Waste Acceptance Criteria Limits		
					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	3.4	3	5	6
Loss On Ignition	2610	M	%	8.7	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	130	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	8.8	100	--	--
pH	2010	M		8.5	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.52	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0027	0.027	0.5	2	25
Barium	1455	U	0.018	0.18	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0043	0.043	0.5	10	70
Copper	1455	U	0.0038	0.038	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0051	0.051	0.5	10	30
Nickel	1455	U	0.0037	0.037	0.4	10	40
Lead	1455	U	0.0007	0.0067	0.5	10	50
Antimony	1455	U	0.0015	0.015	0.06	0.7	5
Selenium	1455	U	0.0005	0.0052	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	9.1	91	800	15000	25000
Fluoride	1220	U	0.92	9.2	10	150	500
Sulphate	1220	U	18	180	1000	20000	50000
Total Dissolved Solids	1020	N	140	1400	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	32	320	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	20

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2150	Redox Potential	Redox Potential	Meter
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID

Test Methods

SOP	Title	Parameters included	Method summary
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Amended Report

Report No.:	22-13283-2		
Initial Date of Issue:	14-Apr-2022	Date of Re-Issue:	19-Apr-2022
Client	Worms Eye Ltd		
Client Address:	PO Box 1157 Colne Lancashire BB9 4HS		
Contact(s):	David Lord		
Project	OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN		
Quotation No.:	Q19-18671	Date Received:	08-Apr-2022
Order No.:	4/4/22	Date Instructed:	08-Apr-2022
No. of Samples:	5		
Turnaround (Wkdays):	5	Results Due:	14-Apr-2022
Date Approved:	19-Apr-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
ACM Type	U	2192		N/A	-	-		-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	11	13	12		26
Soil Colour	N	2040		N/A	Black	Brown	Brown		Brown
Other Material	N	2040		N/A	Stones, Roots and Wood	Stones and Roots	Stones and Roots		Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand		Sand
pH	M	2010		4.0	8.9	8.3	8.5		7.8
Electrical Conductivity (2:1)	N	2020	µS/cm	1.0			250		
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.040	< 0.010			0.19
Redox Potential	N	2150	mV	N/A			-23		
Sulphur (Elemental)	M	2180	mg/kg	1.0	40	2.0			23
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50			< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50			< 0.50
Thiocyanate	M	2300	mg/kg	5.0	< 5.0	< 5.0			< 5.0
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	16	1.6			2.8
Sulphate (Total)	U	2430	mg/kg	100	1600	1700			1300
Arsenic	M	2450	mg/kg	1.0	13	4.1			13
Cadmium	M	2450	mg/kg	0.10	0.27	< 0.10			0.14
Chromium	M	2450	mg/kg	1.0	14	5.3			7.6
Copper	M	2450	mg/kg	0.50	45	12			20
Mercury	M	2450	mg/kg	0.10	0.11	< 0.10			< 0.10
Nickel	M	2450	mg/kg	0.50	32	6.1			9.2
Lead	M	2450	mg/kg	0.50	130	29			52
Selenium	M	2450	mg/kg	0.20	0.33	0.22			0.42
Zinc	M	2450	mg/kg	0.50	88	33			45
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50			< 0.50
Organic Matter	M	2625	%	0.40	21	1.3			6.3
Total Organic Carbon	M	2625	%	0.20	12	0.75			3.6
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010		< 0.010
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010		< 0.010
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10	6.0	< 0.10		< 0.10
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	22	28	16		15
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	33	45	19		28
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	21	35	4.7		12
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	91	80	27		84

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	170	190	67		140
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010		< 0.010
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010		< 0.010
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	85	110	28		30
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10	5.3	< 0.10		< 0.10
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	85	120	28		31
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	250	310	94		170
Naphthalene	M	2700	mg/kg	0.10	1.4	< 0.10			< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	0.51	< 0.10			< 0.10
Acenaphthene	M	2700	mg/kg	0.10	0.23	< 0.10			< 0.10
Fluorene	M	2700	mg/kg	0.10	0.53	< 0.10			< 0.10
Phenanthrene	M	2700	mg/kg	0.10	1.1	0.21			< 0.10
Anthracene	M	2700	mg/kg	0.10	0.20	< 0.10			< 0.10
Fluoranthene	M	2700	mg/kg	0.10	0.89	0.36			0.74
Pyrene	M	2700	mg/kg	0.10	0.89	0.48			0.85
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.71	0.27			< 0.10
Chrysene	M	2700	mg/kg	0.10	0.63	0.32			< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	0.41	0.23			< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.51	0.32			< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	0.34	0.29			< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	0.32	< 0.10			< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	0.44	< 0.10			< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	0.35	< 0.10			< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	9.5	2.5			< 2.0
Dichlorodifluoromethane	N	2760	µg/kg	0.20			[C] < 0.20		
Chloromethane	N	2760	µg/kg	0.20			[C] < 0.20		
Vinyl Chloride	N	2760	µg/kg	0.20			[C] < 0.20		
Bromomethane	N	2760	µg/kg	0.20			[C] < 0.20		
Chloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
Trichlorofluoromethane	N	2760	µg/kg	0.20			[C] < 0.20		
1,1-Dichloroethene	N	2760	µg/kg	0.20			[C] < 0.20		
Trans 1,2-Dichloroethene	N	2760	µg/kg	0.20			[C] < 0.20		

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
1,1-Dichloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
cis 1,2-Dichloroethene	N	2760	µg/kg	0.20			[C] < 0.20		
Bromochloromethane	N	2760	µg/kg	0.50			[C] < 0.50		
Trichloromethane	N	2760	µg/kg	0.20			[C] < 0.20		
1,1,1-Trichloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
Tetrachloromethane	N	2760	µg/kg	0.20			[C] < 0.20		
1,1-Dichloropropene	N	2760	µg/kg	0.20			[C] < 0.20		
Benzene	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
1,2-Dichloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
Trichloroethene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2-Dichloropropane	N	2760	µg/kg	0.20			[C] < 0.20		
Dibromomethane	N	2760	µg/kg	0.20			[C] < 0.20		
Bromodichloromethane	N	2760	µg/kg	0.20			[C] < 0.20		
cis-1,3-Dichloropropene	N	2760	µg/kg	0.20			[C] < 0.20		
Toluene	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
Trans-1,3-Dichloropropene	N	2760	µg/kg	0.20			[C] < 0.20		
1,1,2-Trichloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
Tetrachloroethene	N	2760	µg/kg	0.20			[C] < 0.20		
1,3-Dichloropropane	N	2760	µg/kg	0.20			[C] < 0.20		
Dibromochloromethane	N	2760	µg/kg	0.20			[C] < 0.20		
1,2-Dibromoethane	N	2760	µg/kg	0.20			[C] < 0.20		
Chlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
1,1,1,2-Tetrachloroethane	N	2760	µg/kg	0.20			[C] < 0.20		
Ethylbenzene	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
m & p-Xylene	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
o-Xylene	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
Styrene	N	2760	µg/kg	0.20			[C] < 0.20		
Tribromomethane	N	2760	µg/kg	0.20			[C] < 0.20		
Isopropylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		
Bromobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2,3-Trichloropropane	N	2760	µg/kg	0.20			[C] < 0.20		
2-Chlorotoluene	N	2760	µg/kg	0.20			[C] < 0.20		
1,3,5-Trimethylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		
4-Chlorotoluene	N	2760	µg/kg	0.20			[C] < 0.20		
Tert-Butylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2,4-Trimethylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		
Sec-Butylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
1,3-Dichlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
4-Isopropyltoluene	N	2760	µg/kg	0.20			[C] < 0.20		
1,4-Dichlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
N-Butylbenzene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2-Dichlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2-Dibromo-3-Chloropropane	N	2760	µg/kg	0.20			[C] < 0.20		
1,2,4-Trichlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
Hexachlorobutadiene	N	2760	µg/kg	0.20			[C] < 0.20		
1,2,3-Trichlorobenzene	N	2760	µg/kg	0.20			[C] < 0.20		
Methyl Tert-Butyl Ether	N	2760	µg/kg	0.20	[C] < 0.20	< 0.20	[C] < 0.20		< 0.20
N-Nitrosodimethylamine	N	2790	mg/kg	0.050			[C] < 0.050		
Phenol	N	2790	mg/kg	0.050			[C] < 0.050		
2-Chlorophenol	N	2790	mg/kg	0.050			[C] < 0.050		
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050			[C] < 0.050		
1,3-Dichlorobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
1,4-Dichlorobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
1,2-Dichlorobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
2-Methylphenol	N	2790	mg/kg	0.050			[C] < 0.050		
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050			[C] < 0.050		
Hexachloroethane	N	2790	mg/kg	0.050			[C] < 0.050		
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050			[C] < 0.050		
4-Methylphenol	N	2790	mg/kg	0.050			[C] < 0.050		
Nitrobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
Isophorone	N	2790	mg/kg	0.050			[C] < 0.050		
2-Nitrophenol	N	2790	mg/kg	0.050			[C] < 0.050		
2,4-Dimethylphenol	N	2790	mg/kg	0.050			[C] < 0.050		
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050			[C] < 0.050		
2,4-Dichlorophenol	N	2790	mg/kg	0.050			[C] < 0.050		
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
Naphthalene	N	2790	mg/kg	0.050			[C] < 0.050		
4-Chloroaniline	N	2790	mg/kg	0.050			[C] < 0.050		
Hexachlorobutadiene	N	2790	mg/kg	0.050			[C] < 0.050		
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050			[C] < 0.050		
2-Methylnaphthalene	N	2790	mg/kg	0.050			[C] < 0.050		
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050			[C] < 0.050		
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050			[C] < 0.050		
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050			[C] < 0.050		

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
2-Chloronaphthalene	N	2790	mg/kg	0.050			[C] < 0.050		
2-Nitroaniline	N	2790	mg/kg	0.050			[C] < 0.050		
Acenaphthylene	N	2790	mg/kg	0.050			[C] < 0.050		
Dimethylphthalate	N	2790	mg/kg	0.050			[C] < 0.050		
2,6-Dinitrotoluene	N	2790	mg/kg	0.050			[C] < 0.050		
Acenaphthene	N	2790	mg/kg	0.050			[C] < 0.050		
Dibenzofuran	N	2790	mg/kg	0.050			[C] < 0.050		
4-Chlorophenylphenylether	N	2790	mg/kg	0.050			[C] < 0.050		
2,4-Dinitrotoluene	N	2790	mg/kg	0.050			[C] < 0.050		
Fluorene	N	2790	mg/kg	0.050			[C] < 0.050		
Diethyl Phthalate	N	2790	mg/kg	0.050			[C] < 0.050		
4-Nitroaniline	N	2790	mg/kg	0.050			[C] < 0.050		
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050			[C] < 0.050		
Azobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050			[C] < 0.050		
Hexachlorobenzene	N	2790	mg/kg	0.050			[C] < 0.050		
Pentachlorophenol	N	2790	mg/kg	0.050			[C] < 0.050		
Phenanthrene	N	2790	mg/kg	0.050			[C] < 0.050		
Anthracene	N	2790	mg/kg	0.050			[C] < 0.050		
Carbazole	N	2790	mg/kg	0.050			[C] < 0.050		
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050			[C] < 0.050		
Fluoranthene	N	2790	mg/kg	0.050			[C] < 0.050		
Pyrene	N	2790	mg/kg	0.050			[C] < 0.050		
Butylbenzyl Phthalate	N	2790	mg/kg	0.050			[C] < 0.050		
Benzo[a]anthracene	N	2790	mg/kg	0.050			[C] < 0.050		
Chrysene	N	2790	mg/kg	0.050			[C] < 0.050		
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050			[C] < 0.050		
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050			[C] < 0.050		
Benzo[b]fluoranthene	N	2790	mg/kg	0.050			[C] < 0.050		
Benzo[k]fluoranthene	N	2790	mg/kg	0.050			[C] < 0.050		
Benzo[a]pyrene	N	2790	mg/kg	0.050			[C] < 0.050		
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050			[C] < 0.050		
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050			[C] < 0.050		
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050			[C] < 0.050		
Resorcinol	M	2920	mg/kg	0.020			< 0.020		
Phenol	M	2920	mg/kg	0.020			< 0.020		
Cresols	M	2920	mg/kg	0.020			< 0.020		

Results - Soil

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Client: Worms Eye Ltd	Chemtest Job No.:				22-13283	22-13283	22-13283	22-13283	22-13283
Quotation No.: Q19-18671	Chemtest Sample ID.:				1408049	1408050	1408051	1408052	1408053
	Client Sample ID.:				TH9	TH10	TH10	TH11	TH12
	Sample Location:				TH9	TH10	TH10	TH11	TH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.25	0.9	0.2	0.25
	Date Sampled:				04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022	04-Apr-2022
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
Xylenols	M	2920	mg/kg	0.020			< 0.020		
1-Naphthol	N	2920	mg/kg	0.020			< 0.020		
Trimethylphenols	M	2920	mg/kg	0.020			< 0.020		
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10		< 0.10
SVOC TIC	N	2790	mg/kg	N/A			None Detected		
VOC TIC	N	2760	µg/kg	N/A			None Detected		

Results - Single Stage WAC

Project: OL10 1RN Warren Court, Harefield Drive, Heywood, OL10 1RN

Chemtest Job No: 22-13283					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1408050					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID: TH10							
Sample Location: TH10							
Top Depth(m): 0.25							
Bottom Depth(m):							
Sampling Date: 04-Apr-2022							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	0.75	3	5	6
Loss On Ignition	2610	M	%	3.0	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	310	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	2.5	100	--	--
pH	2010	M		8.3	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	< 0.0020	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg	
Arsenic	1455	U	0.0025	0.026	0.5	2	25
Barium	1455	U	0.077	0.77	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0047	0.047	0.5	10	70
Copper	1455	U	0.0084	0.084	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0022	0.022	0.5	10	30
Nickel	1455	U	0.0043	0.043	0.4	10	40
Lead	1455	U	0.0026	0.026	0.5	10	50
Antimony	1455	U	0.0017	0.017	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	0.017	0.17	4	50	200
Chloride	1220	U	2.8	28	800	15000	25000
Fluoride	1220	U	0.19	1.9	10	150	500
Sulphate	1220	U	20	200	1000	20000	50000
Total Dissolved Solids	1020	N	78	780	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	21	210	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1408049		TH9	TH9	04-Apr-2022	C	Plastic Tub 500g
1408051		TH10	TH10	04-Apr-2022	C	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2150	Redox Potential	Redox Potential	Meter
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID

Test Methods

SOP	Title	Parameters included	Method summary
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

WARREN COURT, HAREFIELD DRIVE, HEYWOOD, OL10 1RN

Comparison of Contamination Test Results with Various Thresholds

RESIDENTIAL WITH HOMEGROWN VEGETABLES

Hydrocarbons at 2.5% SOM

Contaminant	Max Value	Threshold	Pass/ Fail	SSAC	Pass/ Fail	Failed Samples
HEAVY METALS						
- Arsenic	16	37*	✓			
- Cadmium	0.35	11*	✓			
- Chromium III	15	910*	✓			
- Chromium VI	<0.50	6*	✓			
- Copper	45	2400*	✓			
- Lead	180	200▲	✓			
- Inorganic Mercury	0.19	40*	✓			
- Methyl Mercury	0.19	11*	✓			
- Nickel	32	180*	✓			
- Selenium	0.46	350#	✓			
- Zinc	88	3700*	✓			
OTHER INORGANICS						
- Asbestos	None detected		✓			
- Cyanide (total)	<0.50	20 (D)	✓			
- pH range	7.6 – 8.9		-			
- Sulphate (g/l)	0.59	0.5 (B)	X			TH6 – 0.25m, TH7 – 0.25m
- Sulphide	16	250 (E)	✓			
- Thiocyanate	<5.0		✓			
-TOC range (%)	0.75 – 12		-			
-SOM Range	1.3 – 21		-			

All units mg/kg (parts per million/ppm) unless shown otherwise

Metals & inorganic values derived using 6% SOM (soil organic mater)

Sources

- Soil Guideline Values ▲ - C4SL

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(D) – Dutch (B) - BRE – Building Research Establishment (E) - EA Disposal Threshold 2002

® - CLEA 1.06 Software

SSAC – Site Specific Assessment Criteria (derived with CLEA 1.06 software)

WARREN COURT, HAREFIELD DRIVE, HEYWOOD, OL10 1RN

Comparison of Contamination Test Results with Various Thresholds

RESIDENTIAL WITH HOMEGROWN VEGETABLES

Hydrocarbons at 2.5% SOM

Contaminant	Max Value	Threshold	Pass/Fail	Average	Pass/Fail	Failed Samples
PAHs						
- Acenaphthene	0.23	510*	✓			
- Acenaphthylene	0.51	420*	✓			
- Anthracene	0.48	5400*	✓			
- Benz(a)anthracene	1.5	11*	✓			
- Benzo(a)pyrene (BAP)*	0.34	2.7*	✓			
- Benzo(b)fluoranthene	0.41	3.3*	✓			
- Benzo(ghi)perylene	0.35	340*	✓			
- Benzo(k)fluoranthene	0.51	93*	✓			
- Chrysene	2.3	22*	✓			
- Dibenzo(ah)anthracene (DBA)	0.44	0.28*	X	0.14	✓	TH9 – 0.25m
- Fluoranthene	1.8	560*	✓			
- Fluorene	0.53	400*	✓			
- Indene (123-cd) pyrene	0.32	36*	✓			
- Naphthalene	1.4	5.6*	✓			
- Phenanthrene	1.5	220*	✓			
- Pyrene	2.2	1200*	✓			
OTHER COMPOUNDS						
Phenols	<0.10	550*	✓			

All units mg/kg (parts per million/ppm) unless shown otherwise

Hydrocarbon values derived using 2.5% SOM

BAP is a marker for genotoxic PAHs

Sources

- Soil Guideline Values ▲ - C4SL

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WARREN COURT, HAREFIELD DRIVE, HEYWOOD, OL10 1RN

Comparison of Contamination Test Results with Various Thresholds

RESIDENTIAL WITH HOMEGROWN VEGETABLES

Hydrocarbons at 2.5% SOM

Contaminant	Max Value	Threshold	Pass/Fail	SSAC	Pass/Fail	Failed Samples
BTEX COMPOUNDS						
- Benzene	0.00029	0.17*	✓			
- Toluene	0.0021	290*	✓			
- Ethyl-benzene	0.00034	110*	✓			
- Xylene - O	0.00087	140*	✓			
- M/P	0.0013	130*	✓			
TPHs						
Aliphatics						
C ₅ – C ₆	<1.0	78*	✓			
C ₆ – C ₈	<1.0	230*	✓			
C ₈ – C ₁₀	15	65*	✓			
C ₁₀ – C ₁₂	28	330 (118 vap)*	✓			
C ₁₂ – C ₁₆	45	2400 (59 sol)*	✓			
C ₁₆ – C ₃₅	135	92000 (21 sol)*	✓			
Aromatics						
C ₅ – C ₇	<1.0	140*	✓			
C ₇ – C ₈	<1.0	290*	✓			
C ₈ – C ₁₀	<1.0	83*	✓			
C ₁₀ – C ₁₂	<1.0	180*	✓			
C ₁₂ – C ₁₆	<1.0	330*	✓			
C ₁₆ – C ₂₁	<1.0	540*	✓			
C ₂₁ – C ₃₅	110	1500*	✓			

All units mg/kg (parts per million/ppm) unless shown otherwise

Hydrocarbon values derived using 2.5% SOM

Vap – vapour saturation limit Soil – solubility saturation limit

Sources

- Soil Guideline Values ▲ - C4SL

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(D) – Dutch (B) - BRE – Building Research Establishment (E) - EA Disposal Threshold 2002

(H) – Hazardous Waste

® - CLEA 1.06 Software

SSAC – Site Specific Assessment Criteria (derived with CLEA 1.06 software)

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:

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



A8ZVL-7TLQ9-7FF9B

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

Job name

Warren Court, Harefield Drive, Heywood, OL10 1RN

Description/Comments

Project

Warren Court, Harefield Drive, Heywood, OL10 1RN

Site

Warren Court, Harefield Drive, Heywood, OL10 1RN

Classified by

Name: **David Lord**
 Date: **05 May 2022 01:08 GMT**
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BB11 1JG

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: **Hazardous Waste Classification**

Date

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TH1 - 0.25m	0.25	Non Hazardous		2
2	TH2 - 0.2m	0.2	Non Hazardous		5
3	TH3 - 0.25m	0.25	Non Hazardous		8
4	TH4 - 0.2m	0.2	Non Hazardous		11
5	TH4 - 0.9m	0.9	Non Hazardous		12
6	TH5 - 0.2m	0.2	Non Hazardous		14
7	TH6 - 0.25m	0.25	Non Hazardous		15
8	TH7 - 0.25m	0.25	Non Hazardous		18
9	TH8 - 0.25m	0.25	Non Hazardous		21
10	TH9 - 0.25m	0.25	Non Hazardous		24
11	TH10 - 0.25m	0.25	Non Hazardous		27
12	TH10 - 0.9m	0.90	Non Hazardous		30
13	TH11 - 0.2m	0.20	Non Hazardous		32
14	TH12 - 0.25m	0.25	Non Hazardous		33

Related documents

#	Name	Description
1	Worms Eye v3	waste stream template used to create this Job

Report

Created by: David Lord

Created date: 05 May 2022 01:08 GMT

Appendices

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Appendix A: Classifier defined and non GB MCL determinands	36
Appendix B: Rationale for selection of metal species	37
Appendix C: Version	38

Classification of sample: TH1 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH1 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **15% No Moisture Correction applied (MC)**

#	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								
1	arsenic { arsenic trioxide }				5.7 mg/kg	1.32	7.526 mg/kg	0.000753 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %			<LOD
	048-010-00-4	215-147-8	1306-23-6								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.4 mg/kg	1.462	7.892 mg/kg	0.000789 %			
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %			
	029-002-00-X	215-270-7	1317-39-1								
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
7	lead { lead chromate }			1	54 mg/kg	1.56	84.23 mg/kg	0.0054 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				7.1 mg/kg	1.579	11.214 mg/kg	0.00112 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	pH				8.4 pH		8.4 pH	8.4 pH			
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.27 mg/kg	1.405	0.379 mg/kg	0.0000379 %			
	034-002-00-8										
13	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %			
	030-013-00-7	215-222-5	1314-13-2								
14	benzene				0.0002 mg/kg		0.0002 mg/kg	0.000000029 %			
	601-020-00-8	200-753-7	71-43-2								

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#	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							
15	toluene				0.0014 mg/kg		0.0014 mg/kg	0.00000014 %		
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				0.0003 mg/kg		0.0003 mg/kg	0.000000034 %		
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.0021 mg/kg		0.0021 mg/kg	0.000000217 %		
	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]							
18	TPH (C6 to C40) petroleum group				300 mg/kg		300 mg/kg	0.03 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
23	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				0.93 mg/kg		0.93 mg/kg	0.000093 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
35	pyrene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0449 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 2.9e-08%)

toluene: (conc.: 1.4e-07%)

ethylbenzene: (conc.: 3.4e-08%)

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

Because of determinands:

xylene: (conc.: 2.17e-07%)

TPH (C6 to C40) petroleum group: (conc.: 0.03%)

Classification of sample: TH2 - 0.2m

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

Sample details

Sample name:	LoW Code:
TH2 - 0.2m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.2 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium sulfide }			1	0.24 mg/kg	1.285	0.308 mg/kg	0.000024 %		
	048-010-00-4	215-147-8	1306-23-6							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.8 mg/kg	1.462	14.323 mg/kg	0.00143 %		
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1							
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
7	lead { lead chromate }			1	100 mg/kg	1.56	155.982 mg/kg	0.01 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.15 mg/kg	1.353	0.203 mg/kg	0.0000203 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				12 mg/kg	1.579	18.954 mg/kg	0.0019 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	pH				8.6 pH		8.6 pH	8.6 pH		
			PH							
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.44 mg/kg	1.405	0.618 mg/kg	0.0000618 %		
	034-002-00-8									
13	zinc { zinc oxide }				83 mg/kg	1.245	103.311 mg/kg	0.0103 %		
	030-013-00-7	215-222-5	1314-13-2							
14	benzene				0.0002 mg/kg		0.0002 mg/kg	0.000000025 %		
	601-020-00-8	200-753-7	71-43-2							

#	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							
15	toluene				0.0017 mg/kg		0.0017 mg/kg	0.00000017 %		
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				0.0003 mg/kg		0.0003 mg/kg	0.000000031 %		
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.0012 mg/kg		0.0012 mg/kg	0.000000121 %		
	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]							
18	TPH (C6 to C40) petroleum group				80 mg/kg		80 mg/kg	0.008 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
		204-371-1	120-12-7							
23	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				1.6 mg/kg		1.6 mg/kg	0.00016 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		201-581-5	85-01-8							
35	pyrene				2 mg/kg		2 mg/kg	0.0002 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0367 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene: (conc.: 2.5e-08%)

toluene: (conc.: 1.7e-07%)

ethylbenzene: (conc.: 3.1e-08%)

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

Because of determinands:

xylene: (conc.: 1.21e-07%)

TPH (C6 to C40) petroleum group: (conc.: 0.008%)

Classification of sample: TH3 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH3 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic trioxide }				16 mg/kg	1.32	21.125 mg/kg	0.00211 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfide }			1	0.35 mg/kg	1.285	0.45 mg/kg	0.000035 %			
	048-010-00-4	215-147-8	1306-23-6								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %			
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				34 mg/kg	1.126	38.28 mg/kg	0.00383 %			
	029-002-00-X	215-270-7	1317-39-1								
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
7	lead { lead chromate }			1	180 mg/kg	1.56	280.767 mg/kg	0.018 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.19 mg/kg	1.353	0.257 mg/kg	0.0000257 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				18 mg/kg	1.579	28.431 mg/kg	0.00284 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	pH				8.5 pH		8.5 pH	8.5 pH			
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.46 mg/kg	1.405	0.646 mg/kg	0.0000646 %			
	034-002-00-8										
13	zinc { zinc oxide }				85 mg/kg	1.245	105.801 mg/kg	0.0106 %			
	030-013-00-7	215-222-5	1314-13-2								
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2								

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LIMITED

#	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							
15	toluene				0.0021 mg/kg		0.0021 mg/kg	0.00000021 %		
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				0.0003 mg/kg		0.0003 mg/kg	0.00000003 %		
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.0008 mg/kg		0.0008 mg/kg	0.000000083 %		
	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]							
18	TPH (C6 to C40) petroleum group				130 mg/kg		130 mg/kg	0.013 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				0.18 mg/kg		0.18 mg/kg	0.000018 %		
		204-371-1	120-12-7							
23	benzo[a]anthracene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				0.84 mg/kg		0.84 mg/kg	0.000084 %		
		201-581-5	85-01-8							
35	pyrene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0539 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene: (conc.: 2.1e-07%)

ethylbenzene: (conc.: 3.0e-08%)

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

Because of determinands:

xylene: (conc.: 8.3e-08%)

TPH (C6 to C40) petroleum group: (conc.: 0.013%)

Classification of sample: TH4 - 0.2m

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

Sample details

Sample name:	LoW Code:
TH4 - 0.2m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.2 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	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							
1	asbestos									
	650-013-00-6	-----	12001-28-4							
			132207-32-0							
			12172-73-5							
			77536-66-4							
			77536-68-6							
			77536-67-5							
			12001-29-5							
Total:								1.0e-07 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TH4 - 0.9m

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

Sample details

Sample name:	LoW Code:
TH4 - 0.9m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.9 m	
Moisture content:	
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **11% No Moisture Correction applied (MC)**

#	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							
1	pH				7.6 pH		7.6 pH	7.6 pH		
2	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
4	toluene				0.0012 mg/kg		0.0012 mg/kg	0.00000012 %		
5	ethylbenzene				0.0002 mg/kg		0.0002 mg/kg	0.000000025 %		
6	xylene				0.0005 mg/kg		0.0005 mg/kg	0.000000052 %		
7	TPH (C6 to C40) petroleum group				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
8	confirm TPH has NOT arisen from diesel or petrol				☒					
9	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
11	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
13	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
14	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
15	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<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							
17	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
19	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
20	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
21	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
23	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
24	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
Total:								0.00029 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene: (conc.: 1.2e-07%)

ethylbenzene: (conc.: 2.5e-08%)

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

Because of determinand:

xylene: (conc.: 5.2e-08%)

Classification of sample: TH5 - 0.2m



Non Hazardous Waste

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

Sample details

Sample name:	LoW Code:
TH5 - 0.2m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.2 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	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							
1	asbestos									
	650-013-00-6	-----	12001-28-4							
			132207-32-0							
			12172-73-5							
			77536-66-4							
			77536-68-6							
			77536-67-5							
			12001-29-5							
Total:								1.0e-07 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TH6 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH6 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
24%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 24% No Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				6.7 mg/kg	1.32	8.846 mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium sulfide }			1	0.18 mg/kg	1.285	0.231 mg/kg	0.000018 %		
	048-010-00-4	215-147-8	1306-23-6							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.4 mg/kg	1.462	7.892 mg/kg	0.000789 %		
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1							
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
7	lead { lead chromate }			1	75 mg/kg	1.56	116.986 mg/kg	0.0075 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				6.8 mg/kg	1.579	10.741 mg/kg	0.00107 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	pH		PH		8.3 pH		8.3 pH	8.3 pH		
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.31 mg/kg	1.405	0.436 mg/kg	0.0000436 %		
	034-002-00-8									
13	zinc { zinc oxide }				63 mg/kg	1.245	78.417 mg/kg	0.00784 %		
	030-013-00-7	215-222-5	1314-13-2							
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group				170 mg/kg		170 mg/kg	0.017 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		204-371-1	120-12-7							
23	benzo[a]anthracene				0.86 mg/kg		0.86 mg/kg	0.000086 %		
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				0.9 mg/kg		0.9 mg/kg	0.00009 %		
		201-581-5	85-01-8							
35	pyrene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.038 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.017%)

Classification of sample: TH7 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH7 - 0.25m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.25 m	
Moisture content:	
30%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 30% No Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic trioxide }				9 mg/kg	1.32	11.883 mg/kg	0.00119 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfide }			1	0.13 mg/kg	1.285	0.167 mg/kg	0.000013 %			
	048-010-00-4	215-147-8	1306-23-6								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6.7 mg/kg	1.462	9.792 mg/kg	0.000979 %			
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	21.392 mg/kg	0.00214 %			
	029-002-00-X	215-270-7	1317-39-1								
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
7	lead { lead chromate }			1	48 mg/kg	1.56	74.871 mg/kg	0.0048 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.12 mg/kg	1.353	0.162 mg/kg	0.0000162 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				7.9 mg/kg	1.579	12.478 mg/kg	0.00125 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	pH				7.6 pH		7.6 pH	7.6 pH			
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.33 mg/kg	1.405	0.464 mg/kg	0.0000464 %			
	034-002-00-8										
13	zinc { zinc oxide }				29 mg/kg	1.245	36.097 mg/kg	0.00361 %			
	030-013-00-7	215-222-5	1314-13-2								
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2								

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LIMITED

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group				130 mg/kg		130 mg/kg	0.013 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
23	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
35	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0274 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.013%)

Classification of sample: TH8 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH8 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
22%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 22% No Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				6.7 mg/kg	1.32	8.846 mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium sulfide }			1	0.12 mg/kg	1.285	0.154 mg/kg	0.000012 %		
	048-010-00-4	215-147-8	1306-23-6							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6.3 mg/kg	1.462	9.208 mg/kg	0.000921 %		
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1							
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
7	lead { lead chromate }			1	74 mg/kg	1.56	115.426 mg/kg	0.0074 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				7.5 mg/kg	1.579	11.846 mg/kg	0.00118 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	pH		PH		8.1 pH		8.1 pH	8.1 pH		
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.28 mg/kg	1.405	0.393 mg/kg	0.0000393 %		
	034-002-00-8									
13	zinc { zinc oxide }				40 mg/kg	1.245	49.789 mg/kg	0.00498 %		
	030-013-00-7	215-222-5	1314-13-2							
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group		TPH		160 mg/kg		160 mg/kg	0.016 %		
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
23	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
35	pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0337 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

Classification of sample: TH9 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH9 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **11% No Moisture Correction applied (MC)**

#	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								
1	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfide }			1	0.27 mg/kg	1.285	0.347 mg/kg	0.000027 %			
	048-010-00-4	215-147-8	1306-23-6								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	20.462 mg/kg	0.00205 %			
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				45 mg/kg	1.126	50.665 mg/kg	0.00507 %			
	029-002-00-X	215-270-7	1317-39-1								
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
7	lead { lead chromate }			1	130 mg/kg	1.56	202.776 mg/kg	0.013 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.11 mg/kg	1.353	0.149 mg/kg	0.0000149 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544 mg/kg	0.00505 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	pH				8.9 pH		8.9 pH	8.9 pH			
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.33 mg/kg	1.405	0.464 mg/kg	0.0000464 %			
	034-002-00-8										
13	zinc { zinc oxide }				88 mg/kg	1.245	109.535 mg/kg	0.011 %			
	030-013-00-7	215-222-5	1314-13-2								
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %			<LOD
	601-020-00-8	200-753-7	71-43-2								

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LIMITED

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group				250 mg/kg		250 mg/kg	0.025 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-469-6	83-32-9							
21	acenaphthylene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
		205-917-1	208-96-8							
22	anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		204-371-1	120-12-7							
23	benzo[a]anthracene				0.71 mg/kg		0.71 mg/kg	0.000071 %		
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				0.34 mg/kg		0.34 mg/kg	0.000034 %		
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				0.41 mg/kg		0.41 mg/kg	0.000041 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
		205-883-8	191-24-2							
28	chrysene				0.63 mg/kg		0.63 mg/kg	0.000063 %		
	601-048-00-0	205-923-4	218-01-9							
29	dibenz[a,h]anthracene				0.44 mg/kg		0.44 mg/kg	0.000044 %		
	601-041-00-2	200-181-8	53-70-3							
30	fluoranthene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		205-912-4	206-44-0							
31	fluorene				0.53 mg/kg		0.53 mg/kg	0.000053 %		
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		205-893-2	193-39-5							
33	naphthalene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		201-581-5	85-01-8							
35	pyrene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0641 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.025%)

Classification of sample: TH10 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH10 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.1 mg/kg	1.32	5.413 mg/kg	0.000541 %		
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium sulfide }			1	<0.1 mg/kg	1.285	<0.129 mg/kg	<0.00001 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.3 mg/kg	1.462	7.746 mg/kg	0.000775 %		
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1							
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
7	lead { lead chromate }			1	29 mg/kg	1.56	45.235 mg/kg	0.0029 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				6.1 mg/kg	1.579	9.635 mg/kg	0.000963 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	pH				8.3 pH		8.3 pH	8.3 pH		
			PH							
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.22 mg/kg	1.405	0.309 mg/kg	0.0000309 %		
	034-002-00-8									
13	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %		
	030-013-00-7	215-222-5	1314-13-2							
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group				310 mg/kg		310 mg/kg	0.031 %		
			TPH							
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
23	benzo[a]anthracene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				0.36 mg/kg		0.36 mg/kg	0.000036 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
		201-581-5	85-01-8							
35	pyrene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0422 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.031%)

Classification of sample: TH10 - 0.9m

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

Sample details

Sample name:	LoW Code:	
TH10 - 0.9m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.90 m		
Moisture content:		
12%		
(no correction)		

Hazard properties

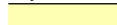
None identified

Determinands

Moisture content: **12% No Moisture Correction applied (MC)**

#	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							
1	• pH				8.5 pH		8.5 pH	8.5 pH		
2	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
3	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
4	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
5	• ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
6	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
7	• TPH (C6 to C40) petroleum group				94 mg/kg		94 mg/kg	0.0094 %		
			TPH							
8	• confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.00941 %		

Key

 User supplied data
 Determinand values ignored for classification, see column 'Conc. Not Used' for reason
 Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD Below limit of detection
ND Not detected

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0094%)

Classification of sample: TH11 - 0.2m



Non Hazardous Waste

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

Sample details

Sample name:	LoW Code:
TH11 - 0.2m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	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							
1	asbestos									
	650-013-00-6	-----	12001-28-4							
			132207-32-0							
			12172-73-5							
			77536-66-4							
			77536-68-6							
			77536-67-5							
			12001-29-5							
Total:								1.0e-07 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection
ND	Not detected

Classification of sample: TH12 - 0.25m

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

Sample details

Sample name:	LoW Code:
TH12 - 0.25m	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
26%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 26% No Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium sulfide }			1	0.14 mg/kg	1.285	0.18 mg/kg	0.000014 %		
	048-010-00-4	215-147-8	1306-23-6							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.6 mg/kg	1.462	11.108 mg/kg	0.00111 %		
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1							
6	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
7	lead { lead chromate }			1	52 mg/kg	1.56	81.11 mg/kg	0.0052 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				9.2 mg/kg	1.579	14.531 mg/kg	0.00145 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	pH				7.8 pH		7.8 pH	7.8 pH		
			PH							
11	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.42 mg/kg	1.405	0.59 mg/kg	0.000059 %		
	034-002-00-8									
13	zinc { zinc oxide }				45 mg/kg	1.245	56.012 mg/kg	0.0056 %		
	030-013-00-7	215-222-5	1314-13-2							
14	benzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	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							
15	toluene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.0002 mg/kg		<0.0002 mg/kg	<0.00000002 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.0004 mg/kg		<0.0004 mg/kg	<0.00000004 %		<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]							
18	TPH (C6 to C40) petroleum group		TPH		170 mg/kg		170 mg/kg	0.017 %		
19	confirm TPH has NOT arisen from diesel or petrol				☒					
20	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
23	benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
24	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
25	benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
27	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							
28	chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	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							
30	fluoranthene				0.74 mg/kg		0.74 mg/kg	0.000074 %		
		205-912-4	206-44-0							
31	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
34	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
35	pyrene				0.85 mg/kg		0.85 mg/kg	0.000085 %		
		204-927-3	129-00-0							
36	asbestos				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								0.0349 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Low level, no liquid present

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.017%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

■ **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.

■ **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

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

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

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

■ **confirm TPH has NOT arisen from diesel or petrol**

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

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

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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

Worst case species

lead {lead chromate}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Suspected

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
HazWasteOnline Classification Engine Version: 2022.103.5089.9622 (13 Apr 2022)
HazWasteOnline Database: 2022.103.5089.9622 (13 Apr 2022)

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

GROUND GAS TESTING RESULTS
WARREN COURT, HEYWOOD, OL10 1RN

Date	Barometric Pressure (mb)	Temp. °C	Weather	BH	Methane CH ₄ (%)	Oxygen O ₂ (%)	Carbon Dioxide CO ₂ (%)	Steady State CO ₂ (%)	Outflow from BH (l/hr)	Depth to water (m)	Comments
					0	20.9	0	0	0		Fresh air
					1.0 *		5.0 *		70 ❖		Threshold values
12.04.2022	991		Clear	1	0.0	15.8	6.7	6.7	0.0	Dry at 5.73	
				2	0.0	17.8	3.9	3.9	0.0	Dry at 2.87	
				5	0.0	18.0	3.7	3.7	0.0	Dry at 3.84	
20.04.2022	1006		Sunny	1	0.0	14.8	7.7	737	0.0	Dry at 5.73	
				2	0.0	17.3	3.9	3.9	0.0	Dry at 2.87	
				5	0.0	17.6	3.9	3.9	0.0	Dry at 3.84	
25.04.2022	1005		Overcast	1	0.0	14.0	8.2	8.2	0.0	Dry at 5.73	
				2	0.0	17.6	3.7	3.7	0.0	Dry at 2.87	
				5	0.0	18.1	3.2	3.2	0.0	Dry at 3.84	

Testing machines: GMI Landsurveyor 2 (P405890), Geotechnical Instruments GA45 (G6211/05)

Outflow - 0 taken as < 0.1litres/hour flow of gas from borehole

* NHBC green limit, CIRIA situation 1 limit

❖ CIRIA situation 2 limit