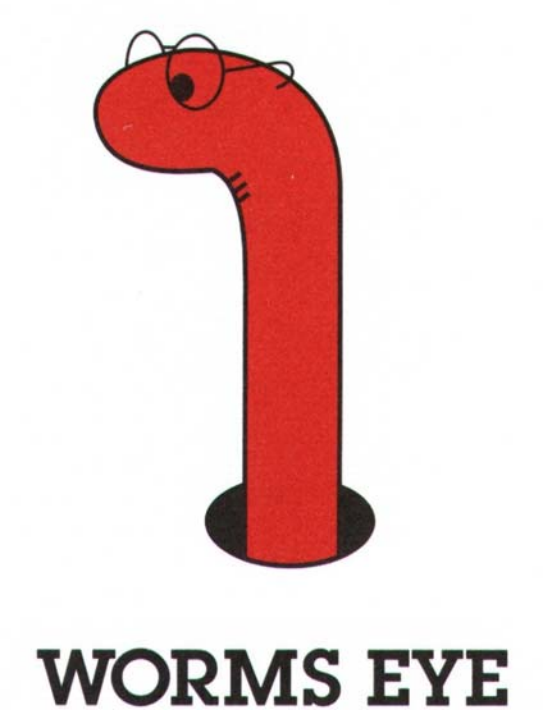
Electronic Report



WORMS EYE

52 Bank Parade
Burnley
BB11 1TS
Phone
01282 414649 / 458410
Fax 01282 721916

Our Ref: Trenchard Road / M22 5LZ / 2020
Date: 25 March 2021

Mr Kanwarpreet Singh
17 Wood Road
Sale
M33 3RS

Email: kpsingh.virk@gmail.com

Copy to: Ryan Wild
Howard & Seddon Partnership

27 – 29 TRENCHARD DRIVE, MOSS NOOK, MANCHESTER, M22 5LZ
REMEDIATION STRATEGY

INTRODUCTION

A residential development is proposed. Following an intrusive report (25/3/21) instructions were to prepare a remediation strategy.

SITE LOCATION

The site is an irregular shaped plot, about 48 by 48 metres, located to the west of Trenchard Drive in Moss Nook, and at OS Grid Reference 383893, 385454. The site is a brick built, two-storey pair of fire damaged semi-detached houses with garden. By the southwest boundary was a brick garage and there was a well (with water) in the northeast corner. Demolition of the northeast extension was almost complete.

There are houses to the southeast and southwest, and fields to the north and west. The area slopes gently down to the north, the site being about 0.5m above the fields to the north and northwest.

PROPOSED DEVELOPMENT

It is proposed to renovate the existing house and build one pair of semi-detached houses (2 units) to its northeast, on the southeast of the site, having associated garden and drives.

LEGAL/COPYRIGHT

Material included in this report from Ordnance Survey (Licence No. AL100031635), Landmark, Environment Agency, the Coal Authority and others (if any) may be copyright and the usual restrictions apply. This report can only be relied upon if the invoice has been paid promptly and in full. This report may be signed by an individual, but only on behalf of Worms Eye Limited.

INTRUSIVE REPORT

Worms Eye carried out an intrusive report (25/3/21):

Ground Conditions

A series of seven trial holes were carried out to shallow depth to collect samples for testing.

The following approximates to a section looking north.

Findings	THA (m)	THD (m)	THC (m)	THB (m)	THE (m)	THF (m)	THG (m)
Topsoil rich made ground	0.0 – 0.6	-	-	0.0 – 0.75+	-	0.0 – 0.9*	0.0 – 0.7
Topsoil	0.6 – 0.95	0.0 – 0.31	0.0 – 0.5	-	0.0 – 0.38	-	-
Clay	0.95 – 1.0	0.31 – 1.0	0.5 – 0.85	-	0.38 – 0.95	-	-
Water	Dry	Dry	Dry	Dry	Dry	Dry	Dry

* Tarmac/bitmac 0.2 – 0.25m

Contamination

Contamination tests show the following to exceed residential thresholds:

Contaminant	THA (0.2m)	THD (0.2m)	THE (0.2m)	THF (0.2m)	THG (0.2m)
Lead	X	X	X	X	X
Benzo(a)anthracene				X	
Benzo(a)pyrene				X	X
Benzo(b)fluoranthene				X	X
Chrysene				X	
Dibenzo(ah)anthracene	X		X	X	X
Indene (1,2,3-cd)pyrene				X	

Lead is at raised levels in five of the seven shallow samples, only THB and THC having low levels. This poses a risk to householders in garden, and non-permanent hard-surfaced areas (paths, patios) arising from direct contact by householders and remedial works are required. THs A, D, E, F and G were spread around the site and, bearing in mind similar topsoil rich made ground was also present elsewhere, it is considered raised levels of lead will also be present elsewhere. Therefore, remedial works relating to lead are required to all garden areas, patios and paths.

Low levels of DbA also exceed the residential threshold in THA (northwest) and in THs E, and G along the southeast boundary, with other PAHs also raised in THF and THG. These also pose a risk from direct contact and require remedial works in the same manner as that required for lead.

There are high PAH levels at shallow depth in THF, whilst the deeper tests shows low levels. The findings elsewhere indicate a localised hot-spot and THF was the only trial hole to have tarmac/bitmac (former drive) under the shallow made ground. The tarmac/bitmac is almost certainly the cause for the raised PAHs (broken pieces probably in the tested sample), although the source of the overlying

made ground is not known. The PAHs in THF pose a risk to householders, and the presence of a hard-surface under shallow soils is not beneficial, and remedial works are required.

None of the elevated PAHs pose a risk from inhalation of vapours, and CLEA calculations are enclosed to demonstrate this. Therefore, contaminated soils can remain beneath the proposed houses and hard-surfaced driveways with no risk.

Water Soluble Sulphate levels are low and sulphate resistant concrete is not required.

The tests results suggest, subject to approval, the site is suitable for normal PE water pipes.

Levels of volatile hydrocarbons are below the thresholds and there is no risk from hydrocarbon vapours.

Excavated Soils

Test results suggest excavated soil would not be classed as hazardous waste. However, the tarmac/bitmac seen in THF will be classed as hazardous due to high levels of PAHs.

These need to be disposed separately and, in the area of the former drive, the shallow soils should be carefully excavated for removal. This will allow the tarmac/bitmac layer to be removed and segregated before the remaining soils to 0.6 metres deep are excavated.

TOC levels exceed the threshold for disposal at inert waste landfill, but are below the threshold for non-hazardous landfill.

Landfill Gas/Ground Gas

There are 3 filled features (ponds) within 250 metres, including one almost adjacent to the site. These are generally small features, usually less than 2 metres deep which suggests a low gas generation potential. Bearing in mind the size of the filled areas, distance from the site, underlying geology, and anticipated gas generation potential, there is likely to be a low to very low risk to the development. Only the almost adjacent pond is considered to be a potential gas risk.

It is considered that the potential risk can be mitigated against by installing a precautionary gas protection membrane.

Conceptual Model

Source	Receptors	Pathway	Complete Pollutant Linkage
Asbestos (none detected)	End-users	Inhalation	No
	Off-site	Migration off-site	No
Inorganic contaminants (raised lead)	Householders	Direct contact, ingestion, from home grown vegetables, ingestion and inhalation of dust	Yes
	Groundwater	Leaching towards	No
	River/stream	Leaching towards	No
Sulphate (low levels)	Building fabric	Concrete directly in contact with soil	No
Hydrocarbons (raised PAHs)	Householders	Direct contact, ingestion, from home grown vegetables, ingestion and inhalation of dust	Yes
	Service pipes	Seeping into drinking water pipes	No
	Groundwater	Leaching towards	No
	River/stream	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	Unlikely
Radon	End-users - in buildings	Seeping into buildings	No

REMEDIATION STRATEGY

Construction Workers

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.

This may require further testing the remediation strategy may need to be reviewed.

Garden/Landscaped Areas

Contamination by lead and PAHs was found to be present in the topsoil rich made ground and remedial works are required to remove risks to householders.

The following is recommended:

- Strip made ground beneath all garden, landscaped areas, paths and patios to a depth of 0.6 metres deep or down to the underlying clay, whichever is shallower.
- Where clay is present at less than 0.6 metres, test for lead and PAHs.
- If lead an PAHs in the clay remain high, deepen the excavation to 0.6 metres.
- Backfill with imported soils, tested to confirm they are suitable for use on site, as follows (bottom up):
    - Geotextile where made ground is still present below 0.6 metres.
    - 0.45 metres imported sub-soil
    - 0.15 metres topsoil.

Excavated Soils

Test results suggest excavated soil would not be classed as hazardous waste. However, the tarmac/bitmac seen in THF will be classed as hazardous due to high levels of PAHs.

These need to be disposed separately and, in the area of the former drive, the shallow soils should be carefully excavated for removal. This will allow the tarmac/bitmac layer to be removed and segregated before the remaining soils to 0.6 metres deep are excavated.

TOC levels exceed the threshold for disposal at inert waste landfill, but are below the threshold for non-hazardous landfill.

The analysis should be submitted to the receiving site for confirmation of its status.

Landfill/Ground Gases

It is considered that this risk can be mitigated against by installing precautionary gas protection measured and the following are considered suitable for worst case risk.

- Ventilation of confined spaces within building.
- A well-constructed ground slab/suspended floor with sub-floor venting.
- A low-permeability gas membrane (see membranes below).
- Minimum penetration of ground slab by services.
- Also gas precautions should continue across the cavity.

The following membrane (or equivalent) is suggested:

- Visqueen gas barrier (blue with foil layer – resists methane, carbon dioxide and radon)

Each membrane should be used with the appropriate matching cavity tray (or cavity membrane), DPC and service duct 'top hat'. Joints to be lapped and sealed.

Validation of gas membrane will require:

- Details of who carried out installation.
- Details of who carried out verification and inspection regime.
- Details of non-conformances and how they were rectified (if any).
- Completed gas measures inspection proforma.
- Signed statement confirming gas protection measures were installed as agreed, the membrane was free from tears and punctures, lapped and sealed as agreed.

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 100m^3 (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 50m^3 (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 screed 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.
- Photographs of excavation to confirm depth.
- Confirmation of Watching Brief
- Test results from base of excavation (if excavation stop at natural soils)
- 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.
- Independent inspection of gas membrane and report.
- Documented site inspection, including photographs.

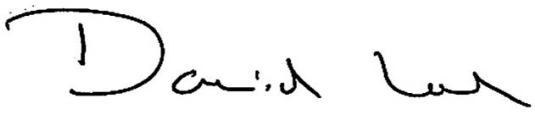
This report is usually a collaboration between the contractor, who will collect the above documentation and Worms Eye, who can assist in preparing the Validation Report

OPINION

The analysis should be submitted to the receiving site for confirmation of its status.

Yours faithfully

on behalf of Worms Eye Ltd



David Lord

BSc (Hons)

FGS, MIEnvSc, AIEMA

27 – 29 TRENCHARD DRIVE, MANCHESTER, M22 5LZ

List of Appendices – Remediation Strategy

List of Acronyms

Existing site plan – showing trial hole locations

Proposed site plan – showing trial hole locations

Trial Hole Logs

Contamination Test Results – Soil

Hazwaste Report

Plan Showing Area of Proposed Remedial Works

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

Chemical	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
Other	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

TPHWG TPH Working Group

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.

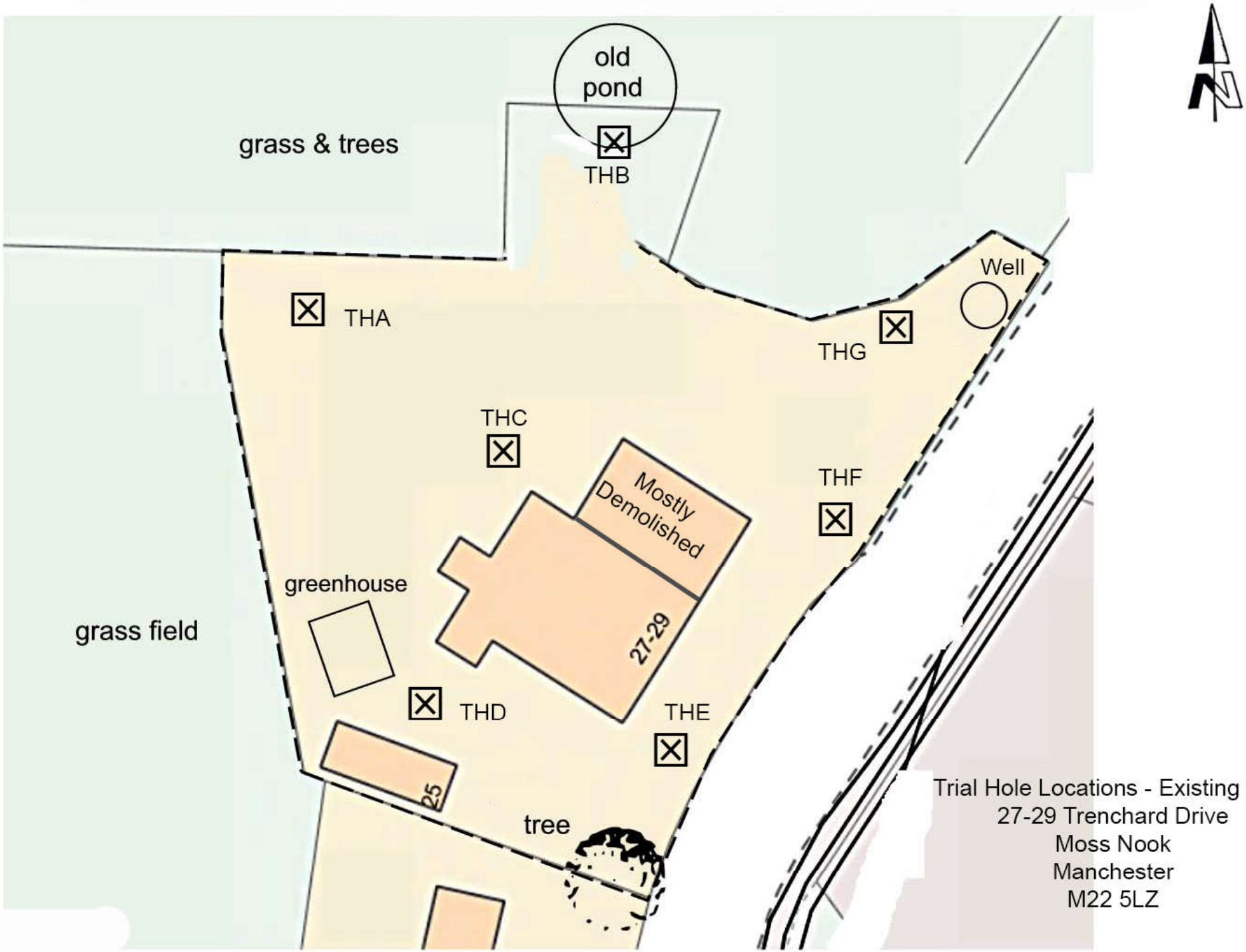
5. Access, the presence of services and activities on the site, limited locations where sampling could be carried out and the techniques that could be used.

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.

8. Worms Eye cannot be held responsible for any use of the report or its contents for any purpose other than that for which it was prepared. The copyright of this report, and other plans or documents prepared by Worms Eye, is owned by them, and no such plans or documents may be reproduced, published or adapted without written consent. Complete copies may be made and distributed by the client, as expected, in dealing with matters related to its commission. Should the client pass copies of the report to other parties for information, the whole report should be copied, but no professional liability, or warranties, shall be extended to other parties by Worms Eye, without their written agreement.

9. New information, revised practices, or changes in legislation, may necessitate the re-interpretation of the report, in whole or in part.



Trial Hole Locations - Existing Plan
27-29 Trenchard Drive
Moss Nook
Manchester
M22 5LZ



Trial Hole Locations - Proposed Plan
27-29 Trenchard Drive
Moss Nook
Manchester
M22 5LZ

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site	Trial Pit Number
27-29 Trenchard Drive, Mamchester	THA

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
Hand Dug			Asico Construction Limited	m22 5lz
	Location Northwest	**Dates** 04/03/2021	**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
					(0.68)	Brown clayey topsoil with brick, gravel, glass, stone (MADE GROUND)		
					0.68			
					0.69	Grass		
					(0.26)	Brown clayey, gravelly, topsoil (Probable Made Ground/Disturbed)		
					0.95			
					(0.05)	Brown sandy, gravelly CLAY		
					1.00	Complete at 1.00m		



Remarks

Trial hole dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THA

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site 27-29 Trenchard Drive, Mamchester			**Trial Pit Number** **THB**
Excavation Method Hand Dug	**Dimensions**	**Ground Level (mOD)**	**Client** Asico Construction Limited	**Job Number** m22 5lz
	Location North middle	**Dates** 04/03/2021	**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
					(0.75)	Brown sandy topsoil with brick, gravel, pottery, fine roots (MADE GROUND)		
					0.75	Complete at 0.75m		



Remarks

Trial hole Dry
Refusal on brick at 0.75m

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THB

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site 27-29 Trenchard Drive, Mamchester			**Trial Pit Number** **THC**
Excavation Method Hand Dug	**Dimensions**	**Ground Level (mOD)**	**Client** Asico Construction Limited	**Job Number** m22 5lz
	Location Middle of site	**Dates** 04/03/2021	**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
					(0.50)	Dark brown sandy topsoil with fine roots and gravel		
					0.50			
					(0.35)	Brown CLAY with gravel		
					0.85	Complete at 0.85m		



Remarks

Trial hole Dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THC

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site 27-29 Trenchard Drive, Mamchester			**Trial Pit Number** **THD**
Excavation Method Trial Pit	**Dimensions**	**Ground Level (mOD)**	**Client** Asico Construction Limited	**Job Number** m22 5lz
	Location Southwest	**Dates** 04/03/2021	**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
					(0.31)	Brown sandy, clayey, TOPSOIL with occaional gravel		
					0.31	Brown, slightly gravelly CLAY		
					(0.69)			
					1.00	Complete at 1.00m		



Remarks

Trial hole Dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THD

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site 27-29 Trenchard Drive, Mamchester			**Trial Pit Number** **THE**
Excavation Method Hand Dug	**Dimensions**	**Ground Level (mOD)**	**Client** Asico Construction Limited	**Job Number** m22 5lz
	Location Southeast	**Dates** 04/03/2021	**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
					(0.38)	Brown clayey TOPSOIL with roots		
					0.38	Brown gravelly CLAY, becoming very gravelly at 0.95 metres		
					(0.57)			
					0.95	Complete at 0.95m		



Remarks

Trial hole Dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THE

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site	Trial Pit Number
27-29 Trenchard Drive, Mamchester	THF

Excavation Method	Dimensions	Ground Level (mOD)	Client	Job Number
Hand Dug			Asico Construction Limited	m22 5lz
	Location	**Dates**	**Project Contractor**	**Sheet**
	Southeast middle	04/03/2021	Worms Eye Ltd	1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.20)	Brown sandy topsoil with brick and fine roots (MADE GROUND)		
					0.20			
					(0.05)	Tarmac		
					0.25			
					(0.20)	Bark brown sandy soil with brick and gravel (MADE GROUND)		
					0.45			
					(0.45)	Lighter brown sandy, clayey, soil with brick and gravel (MADE GROUND)		
					0.90			
						Complete at 0.90m		



Remarks

Trial hole Dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THF

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

Worms Eye Ltd

Cannon House, 52 Bank Parade
Burnley, Lancashire, BB11 1TS

Site 27-29 Trenchard Drive, Mamchester			**Trial Pit Number** **THG**
Excavation Method Hand Dug	**Dimensions**	**Ground Level (mOD)**	**Client** Asico Construction Limited	**Job Number** m22 5lz
	Location Northeast	**Dates** 04/03/2021	**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
					(0.70)	Brown topsoil with brick, slate, clinker, gravel, paving slab, roots (MADE GROUND)		
					0.70	Complete at 0.70m		



Remarks

Trial hole Dry

Scale (approx)	Logged By	Figure No.
1:10	DL	m22 5lz.THG

Produced by the GEOtechnical DAtabase SYstem (GEODASY) © all rights reserved

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Amended Report

Report No.:	21-07207-2		
Initial Date of Issue:	12-Mar-2021	**Date of Re-Issue:**	16-Mar-2021
Client	Worms Eye Ltd		
Client Address:	52 Bank Parade Burnley Lancashire BB11 1TS		
Contact(s):	David Lord		
Project	M22 5LZ Tranchard Drive, Manchester		
Quotation No.:		**Date Received:**	08-Mar-2021
Order No.:	4/3/21	**Date Instructed:**	08-Mar-2021
No. of Samples:	9		
Turnaround (Wkdays):	5	**Results Due:**	12-Mar-2021
Date Approved:	12-Mar-2021		

Approved By:



Details: Glynn Harvey, Technical Manager

Results - Soil

Project: M22 5LZ Tranchard Drive, Manchester

Client: Worms Eye Ltd		**Chemtest Job No.:**			21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207
Quotation No.:		**Chemtest Sample ID.:**			1155534	1155535	1155536	1155537	1155538	1155539	1155540	1155541	1155542
		Client Sample ID.:			THA	THB	THC	THD	THE	THE	THF	THF	THG
		Sample Location:			THA	THB	THC	THD	THE	THE	THF	THF	THG
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.9	0.2
		Date Sampled:			04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
		Asbestos Lab:			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
ACM Detection Stage	U	2192		N/A	-	-	-	-	-		-		-
Moisture	N	2030	%	0.020	24	27	15	19	18	17	9.2	15	20
Soil Colour	N	2040		N/A	Black	Black	Black	Black	Black	Brown	Black	Brown	Brown
Other Material	N	2040		N/A	Roots	Roots	None	Roots	None	Stones	Stones	Stones	Roots, Glass and Stones
Soil Texture	N	2040		N/A	Sand	Clay	Sand	Sand	Sand	Clay	Sand	Clay	Sand
pH	M	2010		4.0	8.7	8.5	7.9	7.9	7.9	7.4	9.1	9.0	8.4
Electrical Conductivity (2:1)	N	2020	µS/cm	1.0						140		160	
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.010	< 0.010	< 0.010	< 0.010	< 0.010		0.044		0.010
Redox Potential	N	2150	mV	N/A						43		0.000	
Sulphur (Elemental)	M	2180	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		240		4.3
Cyanide (Free)	M	2300	mg/kg	0.50	< 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	0.60	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		< 5.0
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	2.9	4.2	4.1	120	120		120		120
Sulphate (Total)	M	2430	mg/kg	100	1500	1100	540	930	1000		4800		1300
Arsenic	M	2450	mg/kg	1.0	16	12	12	23	18		21		22
Cadmium	M	2450	mg/kg	0.10	0.45	0.30	0.18	0.32	0.33		0.46		0.37
Chromium	M	2450	mg/kg	1.0	16	15	11	17	16		19		14
Copper	M	2450	mg/kg	0.50	54	41	32	61	73		52		61
Mercury	M	2450	mg/kg	0.10	0.39	0.27	0.60	0.56	0.33		0.31		0.36
Nickel	M	2450	mg/kg	0.50	20	17	12	23	19		46		23
Lead	M	2450	mg/kg	0.50	220	150	140	550	280		250		450
Selenium	M	2450	mg/kg	0.20	0.41	0.33	0.33	0.42	0.48		0.37		0.49
Zinc	M	2450	mg/kg	0.50	150	100	73	220	130		140		160
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50		< 0.50
Organic Matter	M	2625	%	0.40	7.1	8.8	2.6	10	9.7		6.7		10
Total Organic Carbon	M	2625	%	0.20	4.1	5.1	1.5	5.8	5.6		3.9		5.9
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 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	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	74	12	< 0.10	20	< 0.10	< 0.10	43	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	7.1	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	74	12	< 1.0	20	< 1.0	< 1.0	50	< 1.0	< 1.0
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Soil

Project: M22 5LZ Tranchard Drive, Manchester

Client: Worms Eye Ltd					**Chemtest Job No.:**	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207
Quotation No.:					**Chemtest Sample ID.:**	1155534	1155535	1155536	1155537	1155538	1155539	1155540	1155541	1155542
					Client Sample ID.:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Location:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.9	0.2
					Date Sampled:	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
					Asbestos Lab:	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 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	< 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	< 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	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10		< 0.10	5.1	< 0.10	< 0.10	< 0.10	< 0.10	56	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10		15	41	< 0.10	25	< 0.10	< 0.10	390	< 0.10	< 0.10
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0		16	46	< 1.0	25	< 1.0	< 1.0	440	< 1.0	< 1.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0		90	59	< 2.0	45	< 2.0	< 2.0	490	< 2.0	< 2.0
Naphthalene	M	2700	mg/kg	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		0.53		0.60
Acenaphthylene	M	2700	mg/kg	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		0.19		0.30
Acenaphthene	M	2700	mg/kg	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		7.2		0.42
Fluorene	M	2700	mg/kg	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		9.8		0.71
Phenanthrene	M	2700	mg/kg	0.10		2.0	0.99	< 0.10	< 0.10	0.45		50		7.4
Anthracene	M	2700	mg/kg	0.10		0.64	0.33	< 0.10	< 0.10	0.11		26		3.5
Fluoranthene	M	2700	mg/kg	0.10		3.9	1.8	0.55	1.1	1.5		96		12
Pyrene	M	2700	mg/kg	0.10		4.1	1.8	0.73	1.4	1.6		97		11
Benzo[a]anthracene	M	2700	mg/kg	0.10		2.6	1.5	0.74	1.4	1.1		35		4.9
Chrysene	M	2700	mg/kg	0.10		2.6	1.2	0.60	0.89	0.97		36		4.6
Benzo[b]fluoranthene	M	2700	mg/kg	0.10		3.1	1.4	< 0.10	1.5	1.4		50		4.4
Benzo[k]fluoranthene	M	2700	mg/kg	0.10		1.3	0.48	< 0.10	0.41	0.46		42		2.6
Benzo[a]pyrene	M	2700	mg/kg	0.10		2.0	0.92	< 0.10	0.15	0.77		84		4.4
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10		1.7	0.49	< 0.10	0.44	0.46		57		3.7
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10		0.84	0.18	< 0.10	0.12	0.46		13		0.82
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10		1.3	0.55	< 0.10	0.35	0.56		46		2.1
Total Of 16 PAH's	M	2700	mg/kg	2.0		26	12	2.6	7.8	9.8		650		64
Dichlorodifluoromethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Chloromethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Vinyl Chloride	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Bromomethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Chloroethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Trichlorofluoromethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
1,1-Dichloroethene	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Trans 1,2-Dichloroethene	N	2760	µg/kg	0.20							< 0.20		< 0.20	
1,1-Dichloroethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
cis 1,2-Dichloroethene	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Bromochloromethane	N	2760	µg/kg	0.50							< 0.50		< 0.50	
Trichloromethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
1,1,1-Trichloroethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
Tetrachloromethane	N	2760	µg/kg	0.20							< 0.20		< 0.20	
1,1-Dichloropropene	N	2760	µg/kg	0.20							< 0.20		< 0.20	

Results - Soil

Project: M22 5LZ Tranchard Drive, Manchester

Client: Worms Eye Ltd					**Chemtest Job No.:**	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207
Quotation No.:					**Chemtest Sample ID.:**	1155534	1155535	1155536	1155537	1155538	1155539	1155540	1155541	1155542
					Client Sample ID.:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Location:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.9	0.2
					Date Sampled:	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
					Asbestos Lab:	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Benzene	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2-Dichloroethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Trichloroethene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2-Dichloropropane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Dibromomethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Bromodichloromethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
cis-1,3-Dichloropropene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Toluene	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trans-1,3-Dichloropropene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,1,2-Trichloroethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Tetrachloroethene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,3-Dichloropropane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Dibromochloromethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2-Dibromoethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Chlorobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,1,1,2-Tetrachloroethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Ethylbenzene	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
m & p-Xylene	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
o-Xylene	N	2760	µg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Styrene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Tribromomethane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Isopropylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Bromobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2,3-Trichloropropane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
2-Chlorotoluene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,3,5-Trimethylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
4-Chlorotoluene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Tert-Butylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2,4-Trimethylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Sec-Butylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,3-Dichlorobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
4-Isopropyltoluene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,4-Dichlorobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
N-Butylbenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2-Dichlorobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2-Dibromo-3-Chloropropane	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2,4-Trichlorobenzene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
Hexachlorobutadiene	N	2760	µg/kg	0.20						< 0.20		< 0.20	
1,2,3-Trichlorobenzene	N	2760	µg/kg	0.20						< 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	< 0.20	< 0.20	< 0.20
N-Nitrosodimethylamine	N	2790	mg/kg	0.050						< 0.050		< 0.050	

Results - Soil

Project: M22 5LZ Tranchard Drive, Manchester

Client: Worms Eye Ltd					**Chemtest Job No.:**	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207
Quotation No.:					**Chemtest Sample ID.:**	1155534	1155535	1155536	1155537	1155538	1155539	1155540	1155541	1155542
					Client Sample ID.:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Location:	THA	THB	THC	THD	THE	THE	THF	THF	THG
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.9	0.2
					Date Sampled:	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
					Asbestos Lab:	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
Phenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Chlorophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050						< 0.050		< 0.050	
1,3-Dichlorobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
1,4-Dichlorobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
1,2-Dichlorobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Methylphenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Hexachloroethane	N	2790	mg/kg	0.050						< 0.050		< 0.050	
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Methylphenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Nitrobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Isophorone	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Nitrophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,4-Dimethylphenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,4-Dichlorophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Naphthalene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Chloroaniline	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Hexachlorobutadiene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Methylnaphthalene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Chloronaphthalene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Nitroaniline	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Acenaphthylene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Dimethylphthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,6-Dinitrotoluene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Acenaphthene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Dibenzofuran	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Chlorophenylphenylether	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2,4-Dinitrotoluene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Fluorene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Diethyl Phthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Nitroaniline	N	2790	mg/kg	0.050						< 0.050		< 0.050	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Azobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050						< 0.050		< 0.050	

Results - Soil

Project: M22 5LZ Tranchard Drive, Manchester

Client: Worms Eye Ltd		**Chemtest Job No.:**			21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207	21-07207
Quotation No.:		**Chemtest Sample ID.:**			1155534	1155535	1155536	1155537	1155538	1155539	1155540	1155541	1155542
		Client Sample ID.:			THA	THB	THC	THD	THE	THE	THF	THF	THG
		Sample Location:			THA	THB	THC	THD	THE	THE	THF	THF	THG
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.9	0.2
		Date Sampled:			04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021	04-Mar-2021
		Asbestos Lab:			COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY		COVENTRY		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Hexachlorobenzene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Pentachlorophenol	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Phenanthrene	N	2790	mg/kg	0.050						< 0.050		0.26	
Anthracene	N	2790	mg/kg	0.050						< 0.050		0.17	
Carbazole	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Fluoranthene	N	2790	mg/kg	0.050						< 0.050		0.45	
Pyrene	N	2790	mg/kg	0.050						< 0.050		0.40	
Butylbenzyl Phthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Benzo[a]anthracene	N	2790	mg/kg	0.050						< 0.050		0.25	
Chrysene	N	2790	mg/kg	0.050						< 0.050		0.22	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Benzo[b]fluoranthene	N	2790	mg/kg	0.050						< 0.050		0.28	
Benzo[k]fluoranthene	N	2790	mg/kg	0.050						< 0.050		0.082	
Benzo[a]pyrene	N	2790	mg/kg	0.050						< 0.050		0.20	
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050						< 0.050		0.12	
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050						< 0.050		< 0.050	
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050						< 0.050		0.12	
Resorcinol	M	2920	mg/kg	0.050						< 0.050		< 0.050	
Phenol	M	2920	mg/kg	0.050						< 0.050		< 0.050	
Cresols	M	2920	mg/kg	0.050						< 0.050		< 0.050	
Xylenols	M	2920	mg/kg	0.050						< 0.050		< 0.050	
1-Naphthol	N	2920	mg/kg	0.050						< 0.050		< 0.050	
Trimethylphenols	M	2920	mg/kg	0.050						< 0.050		< 0.050	
Total Phenols	M	2920	mg/kg	0.30	0.84	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
SVOC TIC	N	2790	mg/kg	N/A						None Detected		None Detected	
VOC TIC	N	2760	µg/kg	N/A						None Detected		None Detected	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
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	Allkaline 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.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
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
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.

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 45 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

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	21-08485-1
Initial Date of Issue:	23-Mar-2021
Client	Worms Eye Ltd
Client Address:	52 Bank Parade Burnley Lancashire BB11 1TS
Contact(s):	David Lord
Project	M22 5LZ Trenchard Drive, Manchester

Quotation No.:		**Date Received:**	17-Mar-2021
Order No.:	15/3/DL	**Date Instructed:**	17-Mar-2021
No. of Samples:	2		
Turnaround (Wkdays):	5	**Results Due:**	23-Mar-2021
Date Approved:	23-Mar-2021		

Approved By:



Details: Glynn Harvey, Technical Manager

Results - Single Stage WAC

Project: M22 5LZ Trenchard Drive, Manchester

					Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	21-08485						
Chemtest Sample ID:	1161828						
Sample Ref:							
Sample ID:	THD				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample Location:	THD						
Top Depth(m):	0.2						
Bottom Depth(m):							
Sampling Date:	04-Mar-2021						
Determinand	**SOP**	**Accred.**	**Units**				
Total Organic Carbon	2625	M	%	4.3	3	5	6
Loss On Ignition	2610	M	%	9.6	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	M	mg/kg	160	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	13	100	--	--
pH	2010	M		7.6	--	>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	0.012	0.12	0.5	2	25
Barium	1455	U	0.020	0.20	20	100	300
Cadmium	1455	U	< 0.00012	< 0.0012	0.04	1	5
Chromium	1455	U	0.0017	0.017	0.5	10	70
Copper	1455	U	0.0089	0.089	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0024	0.024	0.5	10	30
Nickel	1455	U	0.0023	0.023	0.4	10	40
Lead	1455	U	0.045	0.45	0.5	10	50
Antimony	1455	U	0.0041	0.041	0.06	0.7	5
Selenium	1455	U	0.0006	0.0063	0.1	0.5	7
Zinc	1455	U	0.027	0.27	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.30	3.0	10	150	500
Sulphate	1220	U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	25	250	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	9.4	94	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	22

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: M22 5LZ Trenchard Drive, Manchester

					Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	21-08485						
Chemtest Sample ID:	1161829						
Sample Ref:							
Sample ID:	THG				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample Location:	THG						
Top Depth(m):	0.2						
Bottom Depth(m):							
Sampling Date:	04-Mar-2021						
Determinand	**SOP**	**Accred.**	**Units**				
Total Organic Carbon	2625	M	%	4.5	3	5	6
Loss On Ignition	2610	M	%	11	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	M	mg/kg	110	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	20	100	--	--
pH	2010	M		8.1	--	>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	0.018	0.18	0.5	2	25
Barium	1455	U	0.027	0.27	20	100	300
Cadmium	1455	U	< 0.00012	< 0.0012	0.04	1	5
Chromium	1455	U	0.0016	0.016	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	0.0042	0.042	0.5	10	30
Nickel	1455	U	0.0027	0.027	0.4	10	40
Lead	1455	U	0.073	0.73	0.5	10	50
Antimony	1455	U	0.0024	0.024	0.06	0.7	5
Selenium	1455	U	0.0009	0.0091	0.1	0.5	7
Zinc	1455	U	0.049	0.49	4	50	200
Chloride	1220	U	1.2	12	800	15000	25000
Fluoride	1220	U	0.53	5.3	10	150	500
Sulphate	1220	U	< 1.0	< 10	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	13	130	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	21

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
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
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
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.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
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 45 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

WORMS EYE LIMITED

HazWasteOnline™

Waste Classification Report

8UCLG-J5GYR-LYQHY

Job name

Trenchard Drive, Manchester, M22 5LZ

Description/Comments

Project

Trenchard Drive, Manchester, M22 5LZ

Site

Trenchard Drive, Manchester, M22 5LZ

Related Documents

#	Name	Description
None		

Waste Stream Template

Worms Eye v3

Classified by

Name:
Emma Lord
Date:
15 Mar 2021 08:58 GMT
Telephone:
01282 414649

Company:
Worms Eye Limited
52 Bank Parade
Burnley
BB11 1TS

HazWasteOnline™ Training Record:

Course	Date
Hazardous Waste Classification	-
Advanced Hazardous Waste Classification	-

Report

Created by: Emma Lord
Created date: 15 Mar 2021 08:58 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	THA 0.2	0.2	Non Hazardous		3
2	THB 0.2	0.2	Non Hazardous		6
3	THC 0.2	0.2	Non Hazardous		9
4	THD 0.2	0.2	Non Hazardous		12
5	THE 0.2	0.2	Non Hazardous		15
6	THE 0.9	0.9	Non Hazardous		18
7	THF 0.2	0.2	Non Hazardous		20
8	THF 0.9	0.9	Non Hazardous		23
9	THG 0.9	0.9	Non Hazardous		25

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	28
Appendix B: Rationale for selection of metal species	29
Appendix C: Version	30

Classification of sample: THA 0.2

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

Sample details

Sample Name:
THA 0.2
Sample Depth:
0.2 m
Moisture content:
24%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.45	mg/kg	1.285	0.578	mg/kg	0.000045 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		54	mg/kg	1.126	60.798	mg/kg	0.00608 %		
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 }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	220	mg/kg	1.56	343.159	mg/kg	0.022 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.39	mg/kg	1.353	0.528	mg/kg	0.0000528 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
10	pH			PH		8.7	pH		8.7	pH	8.7 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		0.84	mg/kg		0.84	mg/kg	0.000084 %		
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.41	mg/kg	1.405	0.576	mg/kg	0.0000576 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				150	mg/kg	1.245	186.707	mg/kg	0.0187 %		
		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									
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				90	mg/kg		90	mg/kg	0.009 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
			204-371-1	120-12-7									
22		benzo[a]anthracene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				2	mg/kg		2	mg/kg	0.0002 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-883-8	191-24-2									
27		chrysene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				0.84	mg/kg		0.84	mg/kg	0.000084 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
			205-912-4	206-44-0									
30		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-893-2	193-39-5									
32		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				2	mg/kg		2	mg/kg	0.0002 %		
			201-581-5	85-01-8									
34		pyrene				4.1	mg/kg		4.1	mg/kg	0.00041 %		
			204-927-3	129-00-0									
35		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:	0.0664 %		

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.009%)

Classification of sample: THB 0.2

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

Sample details

Sample Name:
THB 0.2
Sample Depth:
0.2 m
Moisture content:
27%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 27% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		41	mg/kg	1.126	46.161	mg/kg	0.00462 %		
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 }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	150	mg/kg	1.56	233.972	mg/kg	0.015 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.27	mg/kg	1.353	0.365	mg/kg	0.0000365 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	26.851	mg/kg	0.00269 %		
10	pH			PH		8.5	pH		8.5	pH	8.5 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.33	mg/kg	1.405	0.464	mg/kg	0.0000464 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				100	mg/kg	1.245	124.471	mg/kg	0.0124 %		
		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									
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				59	mg/kg		59	mg/kg	0.0059 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			204-371-1	120-12-7									
22		benzo[a]anthracene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			205-883-8	191-24-2									
27		chrysene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			205-912-4	206-44-0									
30		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				0.49	mg/kg		0.49	mg/kg	0.000049 %		
			205-893-2	193-39-5									
32		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				0.99	mg/kg		0.99	mg/kg	0.000099 %		
			201-581-5	85-01-8									
34		pyrene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			204-927-3	129-00-0									
35		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:	0.046 %		

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0059%)

Classification of sample: THC 0.2

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

Sample details

Sample Name:
THC 0.2
Sample Depth:
0.2 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.18	mg/kg	1.285	0.231	mg/kg	0.000018 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32	mg/kg	1.126	36.028	mg/kg	0.0036 %		
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 }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	140	mg/kg	1.56	218.374	mg/kg	0.014 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6	mg/kg	1.353	0.812	mg/kg	0.0000812 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
10	pH			PH		7.9	pH		7.9	pH	7.9 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.33	mg/kg	1.405	0.464	mg/kg	0.0000464 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				73	mg/kg	1.245	90.864	mg/kg	0.00909 %		
		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									
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				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
27		chrysene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		601-048-00-0	205-923-4	218-01-9									
28		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									
29		fluoranthene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
			205-912-4	206-44-0									
30		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
32		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
34		pyrene				0.73	mg/kg		0.73	mg/kg	0.000073 %		
			204-927-3	129-00-0									
35		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:	0.0327 %		

Key

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

Classification of sample: THD 0.2

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

Sample details

Sample Name:
THD 0.2
Sample Depth:
0.2 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23	mg/kg	1.32	30.367	mg/kg	0.00304 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.32	mg/kg	1.285	0.411	mg/kg	0.000032 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		61	mg/kg	1.126	68.679	mg/kg	0.00687 %		
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 }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	550	mg/kg	1.56	857.898	mg/kg	0.055 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.56	mg/kg	1.353	0.758	mg/kg	0.0000758 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23	mg/kg	1.579	36.328	mg/kg	0.00363 %		
10	pH			PH		7.9	pH		7.9	pH	7.9 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.42	mg/kg	1.405	0.59	mg/kg	0.000059 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				220	mg/kg	1.245	273.837	mg/kg	0.0274 %		
		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									
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				45	mg/kg		45	mg/kg	0.0045 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			205-883-8	191-24-2									
27		chrysene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-912-4	206-44-0									
30		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
			205-893-2	193-39-5									
32		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
34		pyrene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			204-927-3	129-00-0									
35		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:	0.104 %		

Key

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0045%)

Classification of sample: THE 0.2

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

Sample details

Sample Name:
THE 0.2
Sample Depth:
0.2 m
Moisture content:
18%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18	mg/kg	1.32	23.766	mg/kg	0.00238 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.33	mg/kg	1.285	0.424	mg/kg	0.000033 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		73	mg/kg	1.126	82.19	mg/kg	0.00822 %		
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 }	006-007-00-5				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	280	mg/kg	1.56	436.748	mg/kg	0.028 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.33	mg/kg	1.353	0.447	mg/kg	0.0000447 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19	mg/kg	1.579	30.01	mg/kg	0.003 %		
10	pH			PH		7.9	pH		7.9	pH	7.9 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.48	mg/kg	1.405	0.674	mg/kg	0.0000674 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				130	mg/kg	1.245	161.813	mg/kg	0.0162 %		
		030-013-00-7	215-222-5	1314-13-2									
14		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
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				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			204-371-1	120-12-7									
22		benzo[a]anthracene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				0.77	mg/kg		0.77	mg/kg	0.000077 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
			205-883-8	191-24-2									
27		chrysene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-912-4	206-44-0									
30		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
			205-893-2	193-39-5									
32		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			201-581-5	85-01-8									
34		pyrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			204-927-3	129-00-0									
35		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:	0.0617 %		

Key

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

Classification of sample: THE 0.9

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

Sample details

Sample Name:
THE 0.9
Sample Depth:
0.9 m
Moisture content:
17%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		pH			PH		7.4	pH		7.4	pH	7.4 pH		
2		phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.0002	mg/kg		<0.0002	mg/kg	<0.00000002 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.0002	mg/kg		<0.0002	mg/kg	<0.00000002 %		<LOD
5		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.0002	mg/kg		<0.0002	mg/kg	<0.00000002 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.0004	mg/kg		<0.0004	mg/kg	<0.00000004 %		<LOD
7		TPH (C6 to C40) petroleum group			TPH		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
8		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
11		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
12		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
13		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
14		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<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
		CLP index number	EC Number	CAS Number									
15	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
16		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
17		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									
18	●	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
19	●	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
20	●	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
21		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22	●	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
23	●	pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
										Total:	0.00031 %		

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

Classification of sample: THF 0.2

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

Sample details

Sample Name:
THF 0.2
Sample Depth:
0.2 m
Moisture content:
9.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.2% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21	mg/kg	1.32	27.727	mg/kg	0.00277 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.46	mg/kg	1.285	0.591	mg/kg	0.000046 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		52	mg/kg	1.126	58.546	mg/kg	0.00585 %		
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 }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	250	mg/kg	1.56	389.954	mg/kg	0.025 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.31	mg/kg	1.353	0.42	mg/kg	0.000042 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		46	mg/kg	1.579	72.657	mg/kg	0.00727 %		
10	pH			PH		9.1	pH		9.1	pH	9.1 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.37	mg/kg	1.405	0.52	mg/kg	0.000052 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				140	mg/kg	1.245	174.26	mg/kg	0.0174 %		
		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									
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				490	mg/kg		490	mg/kg	0.049 %		
				TPH									
19		acenaphthene				7.2	mg/kg		7.2	mg/kg	0.00072 %		
			201-469-6	83-32-9									
20		acenaphthylene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
			205-917-1	208-96-8									
21		anthracene				26	mg/kg		26	mg/kg	0.0026 %		
			204-371-1	120-12-7									
22		benzo[a]anthracene				35	mg/kg		35	mg/kg	0.0035 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				84	mg/kg		84	mg/kg	0.0084 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				50	mg/kg		50	mg/kg	0.005 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				42	mg/kg		42	mg/kg	0.0042 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				46	mg/kg		46	mg/kg	0.0046 %		
			205-883-8	191-24-2									
27		chrysene				36	mg/kg		36	mg/kg	0.0036 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				13	mg/kg		13	mg/kg	0.0013 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				96	mg/kg		96	mg/kg	0.0096 %		
			205-912-4	206-44-0									
30		fluorene				9.8	mg/kg		9.8	mg/kg	0.00098 %		
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				57	mg/kg		57	mg/kg	0.0057 %		
			205-893-2	193-39-5									
32		naphthalene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				50	mg/kg		50	mg/kg	0.005 %		
			201-581-5	85-01-8									
34		pyrene				97	mg/kg		97	mg/kg	0.0097 %		
			204-927-3	129-00-0									
35		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:	0.175 %		

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.049%)

Classification of sample: THF 0.9

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

Sample details

Sample Name:
THF 0.9
Sample Depth:
0.9 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		pH				9	pH		9	pH	9pH		
				PH									
2		phenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<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				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				TPH									
8		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
9		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
10		anthracene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
			204-371-1	120-12-7									
11		benzo[a]anthracene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		601-033-00-9	200-280-6	56-55-3									
12		benzo[a]pyrene; benzo[def]chrysene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		601-032-00-3	200-028-5	50-32-8									
13		benzo[b]fluoranthene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		601-034-00-4	205-911-9	205-99-2									
14		benzo[k]fluoranthene				0.082	mg/kg		0.082	mg/kg	0.0000082 %		
		601-036-00-5	205-916-6	207-08-9									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
15	●	benzo[ghi]perylene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
			205-883-8	191-24-2									
16		chrysene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-048-00-0	205-923-4	218-01-9									
17		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									
18	●	fluoranthene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-912-4	206-44-0									
19	●	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
20	●	indeno[123-cd]pyrene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
			205-893-2	193-39-5									
21		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22	●	phenanthrene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			201-581-5	85-01-8									
23	●	pyrene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			204-927-3	129-00-0									
										Total:	0.00051 %		

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

Classification of sample: THG 0.9

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

Sample details

Sample Name:
THG 0.9
Sample Depth:
0.9 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22	mg/kg	1.32	29.047	mg/kg	0.0029 %		
2	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.37	mg/kg	1.285	0.476	mg/kg	0.000037 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		61	mg/kg	1.126	68.679	mg/kg	0.00687 %		
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 }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	450	mg/kg	1.56	701.917	mg/kg	0.045 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.36	mg/kg	1.353	0.487	mg/kg	0.0000487 %		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23	mg/kg	1.579	36.328	mg/kg	0.00363 %		
10	pH			PH		8.4	pH		8.4	pH	8.4 pH		
11	phenol	604-001-00-2	203-632-7	108-95-2		<			<		<		**ND**
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.49	mg/kg	1.405	0.688	mg/kg	0.0000688 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
13		zinc { zinc oxide }				160	mg/kg	1.245	199.154	mg/kg	0.0199 %		
		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									
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				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				TPH									
19		acenaphthene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
			201-469-6	83-32-9									
20		acenaphthylene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			205-917-1	208-96-8									
21		anthracene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			204-371-1	120-12-7									
22		benzo[a]anthracene				4.9	mg/kg		4.9	mg/kg	0.00049 %		
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				4.4	mg/kg		4.4	mg/kg	0.00044 %		
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				4.4	mg/kg		4.4	mg/kg	0.00044 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[k]fluoranthene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
		601-036-00-5	205-916-6	207-08-9									
26		benzo[ghi]perylene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			205-883-8	191-24-2									
27		chrysene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-048-00-0	205-923-4	218-01-9									
28		dibenz[a,h]anthracene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
		601-041-00-2	200-181-8	53-70-3									
29		fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
			205-912-4	206-44-0									
30		fluorene				0.71	mg/kg		0.71	mg/kg	0.000071 %		
			201-695-5	86-73-7									
31		indeno[123-cd]pyrene				3.7	mg/kg		3.7	mg/kg	0.00037 %		
			205-893-2	193-39-5									
32		naphthalene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		601-052-00-2	202-049-5	91-20-3									
33		phenanthrene				7.4	mg/kg		7.4	mg/kg	0.00074 %		
			201-581-5	85-01-8									
34		pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			204-927-3	129-00-0									
35		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:	0.0873 %		

Key

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

Appendix A: Classifier defined and non CLP 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**

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **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)

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **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

- **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 sulphoselenide 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 v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.72.4703.9037 (14 Mar 2021)
HazWasteOnline Database: 2021.72.4703.9037 (14 Mar 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019 - UK: 2019 No. 720 of 27th March 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019



Areas Requiring Remedial Works

Proposed Remedial Works
27-29 Trenchard Drive
Moss Nook
Manchester
M22 5LZ