

PHASE 2 REPORT ON A SITE INVESTIGATION

Site

**GREENFIELD FARM,
VALEWOOD LANE, BARNS GREEN,
HORSHAM, WEST SUSSEX RH13 0QJ**

Client

MANORWOOD

Report Ref

26/13366/A/GO

Issued

August 2026

ALBURY S.I. LTD

Geotechnical & Environmental Specialists

Miltons Yard,
Petworth Road,
Witley,
Surrey GU8 5LH

01428 684 836
info@alburysi.co.uk
www.alburysi.co.uk



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Prepared by	G C D Owens BSc MSc FGS MEnvSc Director			
Approved by	K J Clark BSc Hons Director			
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The following foreword should be read in conjunction with this report. Any variations on the general procedures outlined below are indicated in the text.

FOREWORD

The recommendations made and opinions expressed in this Report are based on the strata conditions revealed by the fieldworks as indicated on the exploratory records, together with an assessment of the data from in situ and laboratory tests. No liability can be accepted for conditions which have not been revealed by the fieldworks, for example, between exploratory positions. While this Report may offer opinions on the possible configuration of strata, both between the excavations and below the maximum depth achieved by the investigation, these comments are for guidance only and no liability can be accepted for their accuracy. The data obtained relate to the conditions which are relevant at the time of the investigation.

The groundwater observations entered on exploratory records are those noted at the time of the investigation. The normal rate of progress does not usually permit the recording of any equilibrium water level for any one water strike. It should be noted that groundwater levels are prone to seasonal variation and to changes in local drainage conditions. The word 'none' indicates that groundwater was sealed off by the borehole casing or that no water was observed in the exploratory hole upon completion.

It should be appreciated that this report does not constitute a Geotechnical Design Report (GDR) as defined in Eurocode 7 and no aspect of this report constitutes a design. Specific sections of this report are generally in line with the guidance set out in Eurocode 7 for a Ground Investigation Report (GIR), as defined within BS EN 1997:-2 (2024). This provides guidance on the number and spacing of investigation positions, methods of investigation and sample quality class to be achieved which may not have been met by this investigation.

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REPORT REF: 26/13366/A/GO
CONTRACT: VALEWOOD LANE, BARNS GREEN

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EXECUTIVE SUMMARY

This investigation has demonstrated that made ground overlies the Weald Clay Formation of Cretaceous age. No groundwater was encountered during the course of the siteworks. The results of the geochemical analysis have not recorded any elevated levels of contamination and the shallow soils are considered to be suitable for residential use. The recorded levels of water soluble sulphate should be considered in the design of buried concrete.

1 INTRODUCTION

1.1 Scope

The client proposes to form 5 no residential plots for static caravans at Greenfield Farm ("the site"), which is shown in the proposed layout extract below.



Accordingly, an exploratory investigation into ground conditions has been made to assess the impact from historical use and to obtain data to inform a risk assessment. The programme of this investigation comprised the construction of eight machine excavated trial pits. During this work samples were recovered for further examination and laboratory testing. This report describes the work undertaken, presents the information obtained and discusses the ground conditions with respect to the long-term risks from land contamination.

Geotechnical testing and interpretation did not form part of this investigation and lies outside the scope of this report.

1.2 Background

A previous Phase 1 Desk Study was carried out by Albury S.I. Limited in March 2026 which should be read in conjunction with this report. This identified imported hardcore and made ground, primarily in the north-west of the site, with evidence of previous burning. A surface water discharge observed during the previous walkover survey had been channelled into a ditch at the time of the siteworks.

2 FIELDWORKS

The trial pits were constructed on 16th July 2026 at locations as shown on the site plan, drawing no. 26/13366/A/1, which is presented as Figure 1. The exploratory positions were located in order to provide adequate site coverage and targeted areas of proposed garden amenity or soft landscaping.

The depths and descriptions of the strata encountered in the trial pits are given on the exploratory records which comprise Appendix 1 to this report. These records note the depths at which samples were taken and any groundwater observations noted at the time of the fieldworks.

3 GROUND CONDITIONS

3.1 Geology & Radon

A desk-based examination of the British Geological Survey (BGS) GeoIndex of superficial and bedrock mapping at 1:50,000 scale, indicates the site as being underlain by the Weald Clay Formation of Cretaceous age.

3.2 Stratigraphy

Consideration of the exploratory records indicates that made ground was encountered at trial pit 1 and proved to a depth of 0.45m, consisting of brown friable gravelly very silty sand with roots. The gravel consisted of brick, concrete and some glass fragments with plastic and cloth also noted near surface. At the remaining locations limited made ground or disturbed soils were noted to 0.15m and 0.35m depth, consisting of brown friable silty to very silty clay with rootlets.

Brown and grey silty clay with occasional black flecking and root hairs, with rare calcareous nodules and some roots and root hairs in the upper margins, was exposed beneath the made ground and disturbed soils described above. These cohesive soils are typical of the Weald Clay Formation and the trial pits concluded within this deposit at either 1.60m or 1.70m.

3.3 Groundwater

No groundwater strikes were encountered during the construction of the exploratory positions and all the excavations remained dry throughout.

4 LABORATORY TESTING

Samples of the made ground from 0.10m have been submitted to the UKAS accredited laboratories operated by i2 Analytical Ltd and the results are presented as Appendix 2 to this report. The samples are screened for the presence of asbestos (ACM) and subjected to a broad suite of tests of common inorganic and organic priority contaminants including metals, PAH and petroleum hydrocarbons.

5 GROUND CONTAMINATION

A Conceptual Site Model (CSM) was formulated for this site as part of the Phase 1 Desk Study, which informed the current Phase 2 intrusive investigation. The CSM produced as part of the Desk Study has been reviewed and the risk revised and is presented in tabular form below. A previous surface water discharge emanating off-site from the north had been channelled into a ditch at the time of the site visit.

Source(s)	Potential Pathway(s)	Receptor(s)	Risk Level
Made ground associated with imported hardcore and bunds <i>- Heavy metals, PAH & ACM</i> <i>Physical contaminants – metal & glass sharps</i> Jerry Cans <i>- Petroleum Hydrocarbons</i>	Dermal Contact, Ingestion and Inhalation of dust Leaching	Site Workers, End Users Potable water supply pipes	Low

5.1 Human Health

A generic assessment of the chronic or long-term risk to human health from soil contamination has been made using the available generic screening criteria. The screening values include the Category 4 Screening Levels [C4SLs] (DEFRA, 2014) and Suitable for Use Levels [S4ULs] (LQM/CIEH, 2014) derived using the CLEA software. It should be appreciated that these do not consider the short-term or acute risks, such as to construction workers or SI personnel.

The results obtained have been compared against the GAC for the proposed land-use category Residential (with homegrown produce) and 1% SOM, which are presented as a summary table in Appendix 2. A study of the data does not reveal any exceedances and the near surface soils are considered to be suitable for use.

The presence of deleterious fragments of brick, concrete and glass are not suitable for inclusion within garden soils and these should be segregated for incorporation beneath areas of hardstanding and access roads, which can be addressed as part of the ongoing development of the site.

5.2 Vegetation

The metals boron, copper, nickel and zinc are phytotoxic at certain levels, with their availability being dependent upon soil pH. These levels may not pose a significant long-term health risk to humans, but could be detrimental to plant growth or function. The results obtained suggest that problems in this regard are not anticipated.

5.3 Preliminary Waste Assessment

Given that no exceedances of human health soil guidance values were recorded, it is likely that material can be retained and re-used on site. Where excavated soils cannot be re-used or retained on site, then these surplus materials will require off-site disposal. It may be possible to divert the unwanted material to a soil treatment hub where it can be recycled. Where material cannot be re-used or recycled then disposal at a licensed landfill site can be considered. It will then be necessary to classify the spoil as inert, non-hazardous or hazardous. A discussion of the current regime for the classification and treatment of waste soils is included in Appendix 3.

An initial assessment of the geochemical results obtained from this investigation has been carried out to provide a preliminary classification of the surplus materials. The HazWaste Online tool determines whether waste soil should be classified as being non-hazardous or hazardous. The output from the HazWaste assessment is located in Appendix 3. Asbestos was

not detected in any of the samples screened. Based on the output waste soil arisings from this site have been tentatively identified as being non-hazardous waste. The underlying natural soils are considered to be inert for disposal purposes.

This assessment is preliminary and based upon the information obtained from the investigation. Where made ground is excavated then these materials should be stockpiled and segregated. Further sampling, testing and characterisation to accurately classify waste soil arisings may be required.

It should be appreciated that it is the responsibility of the waste producer to sufficiently characterise their waste. Moreover, the agreement of the waste acceptor should be sought.

5.4 Potable Water Supply Pipes

The results of the geochemical testing and site history infer that specialist protection measures for buried potable water supply pipes are not required. Confirmation should be sought from the water supply company to confirm any specific requirements.

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LIST OF ABBREVIATIONS

AOD	-	Above Ordnance Datum
ACM	-	Asbestos-containing Material
AST	-	Above-ground Storage Tank
BGS	-	British Geological Survey
BH	-	Borehole
BRE	-	Building Research Establishment
BSI	-	British Standards Institution
BS	-	British Standard
C4SL	-	Category Four Screening Level
CIRIA	-	Construction Industry Research and Information Association
CP	-	Cable Percussive
DPH	-	Dynamic Probing Heavy
DPSH	-	Dynamic Probing Super Heavy
EA	-	Environment Agency
GAC	-	Generic Assessment Criteria
LL	-	Liquid Limit
mAOD	-	Metres Above Ordnance Datum
mBGL	-	Metres Below Ground Level
mOD	-	Metres Ordnance Datum
OS	-	Ordnance Survey
PAH	-	Polycyclic Aromatic Hydrocarbons
PCB	-	Polychlorinated Biphenyl
PID	-	Photo Ionisation Detector
PL	-	Plastic Limit
PSD	-	Particle Size Distribution
SGV	-	Soil Guideline Value
SOM	-	Soil Organic Matter
SPT	-	Standard Penetration Test
SPZ	-	Source Protection Zone
SVOC	-	Semi-volatile Organic Compounds
TPH	-	Total Petroleum Hydrocarbon
UST	-	Underground Storage Tank
UXB	-	Unexploded Bombs
UXO	-	Unexploded Ordnance
VOC	-	Volatile Organic Compound

FIGURE 1

EXPLORATORY HOLE PLAN

Legend:

Trial Pit Location



Title: Exploratory Hole Plan

Dwg No: 26/13366/A1

Drawn by: GO

Client: Manorwood

Contract: Valewood Lane,
Barns Green

Job Ref: 26/13366/A/GO

Scale: NTS

Revision: 0

Issue Date: 10/08/2026

**ALBURY S.I. LTD**Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

APPENDIX 1

EXPLORATORY RECORDS

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		TRIAL PIT		1			
CONTRACT		Valewood Lane, Barns Green		Report Ref		26/13366/A/GO	
Client		Manorwood		Date		16/07/2026	
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ		Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)			
1. none		Length: 1.50 Mechanical		Very easy:		Difficult: GL-1.70	
2.		Width: 0.30		Moderate:		Very hard:	
Water level observed upon completion (m): dry				Technician: DH			
Remarks							
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description		
Type	Depth (m)						
D	0.10		0.45		Grass over MADE GROUND (brown friable gravelly very silty SAND with rootlets. Gravel of brick, concrete, and some glass fragments, with plastic and cloth)		
D	0.30						
D	0.50						
D	0.75						
D	1.00						
D	1.50						
			1.70		Brown and grey silty CLAY with occasional black flecking and root hairs, with rare calcareous nodules		
							
							
							
							
							
END OF TRIAL PIT							

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		www.alburysi.co.uk		TRIAL PIT		2			
CONTRACT		Valewood Lane, Barns Green				Report Ref		26/13366/A/GO	
Client		Manorwood				Date		16/07/2026	
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Length: 1.50		Very easy:		Difficult:		GL-0.80	
2.		Width: 0.30		Moderate:		Very hard:		0.80-1.60	
Water level observed upon completion (m):		dry				Technician:		DH	
Remarks									
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description				
Type	Depth (m)								
D	0.10		0.15		Grass over brown friable silty CLAY (Disturbed or MADE GROUND) Brown and grey silty CLAY with occasional black flecking and root remains in the upper margins				
D	0.30			— ×					
D	0.50			× —					
D	0.75			— ×					
D	1.00			× —					
D	1.50			— ×					
D	1.50		1.60	× —	END OF TRIAL PIT 				
				— ×					
				× —					
				— ×					
				× —					
				— ×					
				× —					
				— ×					
				× —					
				— ×					
				× —					
				— ×					
				× —					
				— ×					
		× —							

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk			TRIAL PIT	4	
CONTRACT		Valewood Lane, Barns Green		Report Ref	26/13366/A/GO
Client		Manorwood		Date	16/07/2026
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ		Ground Level	
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)	
1. none		Length: 1.50 Mechanical		Very easy: Difficult: GL-0.90	
2.		Width: 0.30		Moderate: Very hard: 0.90-1.60	
Water level observed upon completion (m): dry				Technician: DH	
Remarks					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.35		Grass over brown friable very silty CLAY with occasional rootlets (possible disturbed or MADE GROUND)
D	0.30				
D	0.50				
D	1.00				
D	1.50				
			1.60	     	END OF TRIAL PIT
					

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk			TRIAL PIT	6	
CONTRACT		Valewood Lane, Barns Green	Report Ref	26/13366/A/GO	
Client		Manorwood	Date	16/07/2026	
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ	Ground Level		
Water Strikes (m)		Type & Dimensions	Ease of excavation (m)		
1. none		Length: 1.50 Mechanical	Very easy: Difficult: GL-0.80		
2.		Width: 0.30	Moderate: Very hard: 0.80-1.60		
Water level observed upon completion (m):		dry	Technician: DH		
Remarks					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.20		Grass over brown friable silty SAND (disturbed or MADE GROUND)
D	0.30				Brown and grey silty CLAY with occasional root hairs
D	0.50				
D	0.75		0.80		
D	1.00				
D	1.50		1.60		Brown and grey friable very silty CLAY with occasional roots in the upper margins and root hairs in the lower margins
					END OF TRIAL PIT
					

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		www.alburysi.co.uk		TRIAL PIT		7			
CONTRACT		Valewood Lane, Barns Green				Report Ref		26/13366/A/GO	
Client		Manorwood				Date		16/07/2026	
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Length: 1.50		Very easy:		Difficult:		GL-0.80	
2.		Width: 0.30		Mechanical		Moderate:		Very hard: 0.80-1.60	
Water level observed upon completion (m):				dry		Technician: DH			
Remarks									
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description				
Type	Depth (m)								
D	0.10		0.20		Grass over brown friable silty CLAY with rootlets (probable disturbed or MADE GROUND) Brown silty CLAY with rootlets in the upper margins				
D	0.30			— ×					
D	0.50			× —					
D	0.75			— ×					
D	1.00			× —					
D	1.50			— ×					
D	1.50		1.60	× —	END OF TRIAL PIT 				
				— ×					

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		www.alburysi.co.uk		TRIAL PIT		8			
CONTRACT		Valewood Lane, Barns Green				Report Ref		26/13366/A/GO	
Client		Manorwood				Date		16/07/2026	
Site Address		Greenfield Farm, Valewood Lane, Barns Green West Sussex RH13 0QJ				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Length: 1.50		Very easy:		Difficult:		GL-0.80	
2.		Width: 0.30		Mechanical		Moderate:		Very hard: 0.80-1.60	
Water level observed upon completion (m):				dry		Technician: DH			
Remarks									
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description				
Type	Depth (m)								
D	0.10		0.25		Grass over greyish brown friable silty CLAY with occasional rootlets (disturbed or MADE GROUND) Brown and grey silty CLAY with rare claystone fragments and root hairs in the upper margins				
D	0.30			— ×					
D	0.50			× —					
D	0.75			— ×					
D	1.00			× —					
D	1.50			— ×					
D	1.50		1.60	× —	END OF TRIAL PIT				
				— ×					
									

APPENDIX 2

LABORATORY TEST RESULTS

Albury SI Ltd
Miltons Yard
Petworth Road
Witley
Surrey
GU8 5LH

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

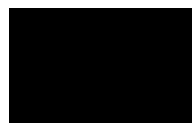
t:



t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-038588

Project / Site name:	Valewood Lane, Barns Green	Samples received on:	20/07/2026
Your job number:	26 13366 GO	Samples instructed on/ Analysis started on:	20/07/2026
Your order number:	16087	Analysis completed by:	05/08/2026
Report Issue Number:	1	Report issued on:	05/08/2026
Samples Analysed:	8 soil samples		



Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number	985632	985633	985634	985635	985636
Sample Reference	1	2	3	4	5
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10	0.10
Date Sampled	16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	11	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	14	21	13	11
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.8	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	KWB	WEM	WEM	WEM
Analysis completed	N/A	N/A	N/A	28/07/2026	05/08/2026	28/07/2026	28/07/2026	28/07/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.8	7	6.5	6.3	5.9
Total Sulphate as SO ₄	mg/kg	50	MCERTS	2200	1700	790	710	750
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	2000	1700	260	110	24
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1020	872	128	56.8	12.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.1	2.1	2.4	2.2	2.7

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.27	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.66	0.06	0.07	0.08	0.07
Pyrene	mg/kg	0.05	MCERTS	0.59	0.06	< 0.05	< 0.05	0.06
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.34	< 0.05	0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.31	< 0.05	< 0.05	0.06	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.36	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.22	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.8	< 0.80	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number	985632	985633	985634	985635	985636
Sample Reference	1	2	3	4	5
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10	0.10
Date Sampled	16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	23	20	17	15
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1	1.2	1.1	0.94	0.82
Boron (water soluble)	mg/kg	0.2	MCERTS	3.1	1.5	2.2	1.4	1.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	36	37	41	34	34
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	37	41	34	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22	28	21	16	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	43	30	29	28	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	20	17	14	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	2	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	54	50	62	51	50
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	88	69	64	60	59

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_ID_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_ID_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	11	< 10	< 10	< 10	< 10
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Petroleum Range Organics (EC6 - EC10) _{HS_ID_TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	11	< 10	< 10	< 10	< 10

Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number				985632	985633	985634	985635	985636
Sample Reference				1	2	3	4	5
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number	985637	985638	985639
Sample Reference	6	7	8
Sample Number	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10
Date Sampled	16/07/2026	16/07/2026	16/07/2026
Time Taken	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	14	12
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	CAD	CAD	CAD
Analysis completed	N/A	N/A	N/A	28/07/2026	28/07/2026	28/07/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.4	7	7.1
Total Sulphate as SO ₄	mg/kg	50	MCERTS	870	660	820
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	30	25	62
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	15.1	12.3	31.1
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.7	2.6	3.3

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.07	0.07	0.1
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.08
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number	985637	985638	985639
Sample Reference	6	7	8
Sample Number	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10
Date Sampled	16/07/2026	16/07/2026	16/07/2026
Time Taken	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	16	14
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.97	1.1	0.95
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	1.8	1.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	36	37	37
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	37	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	19	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	28	26	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	19	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	52	52	53
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	66	65	61

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_ID_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_ID_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	< 10	< 10	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	< 10	< 10	12
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Petroleum Range Organics (EC6 - EC10) _{HS_ID_TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	12

Analytical Report Number: 26-038588
Project / Site name: Valewood Lane, Barns Green
Your Order No: 16087

Lab Sample Number				985637	985638	985639
Sample Reference				6	7	8
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				0.10	0.10	0.10
Date Sampled				16/07/2026	16/07/2026	16/07/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 26-038588

Project / Site name: Valewood Lane, Barns Green

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
985632	1	None Supplied	0.1	Brown clay and sand with vegetation and stones
985633	2	None Supplied	0.1	Brown clay and sand with gravel and vegetation
985634	3	None Supplied	0.1	Brown clay and sand with gravel and vegetation
985635	4	None Supplied	0.1	Brown clay and sand with gravel and vegetation
985636	5	None Supplied	0.1	Brown clay and sand with gravel and vegetation
985637	6	None Supplied	0.1	Brown clay and sand with gravel and vegetation
985638	7	None Supplied	0.1	Brown clay and loam with gravel and vegetation
985639	8	None Supplied	0.1	Brown clay and sand with gravel and vegetation

Analytical Report Number : 26-038588

Project / Site name: Valewood Lane, Barns Green

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
TPH Chromatogram in soil	TPH Chromatogram in soil	In-house method	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE

Analytical Report Number : 26-038588

Project / Site name: Valewood Lane, Barns Green

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Chromium III in soil	In-house method by calculation from total Cr and Cr VI	In-house method by calculation	L080-PL/L130B	W	NONE
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

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

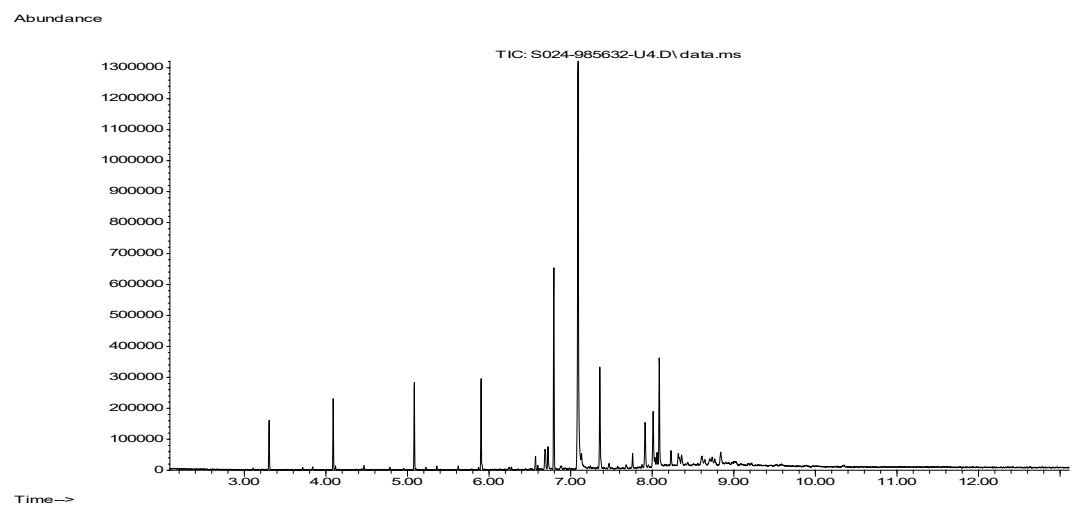
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

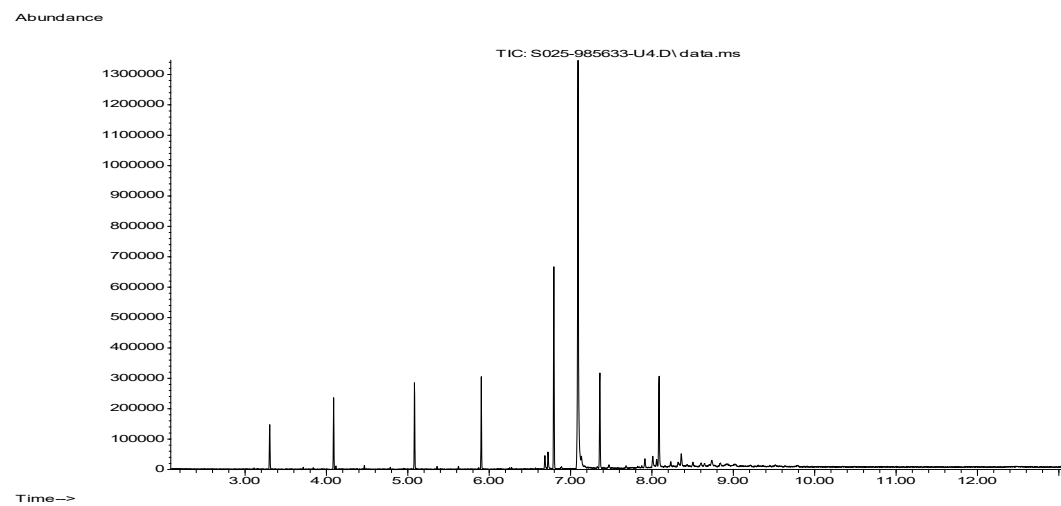
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

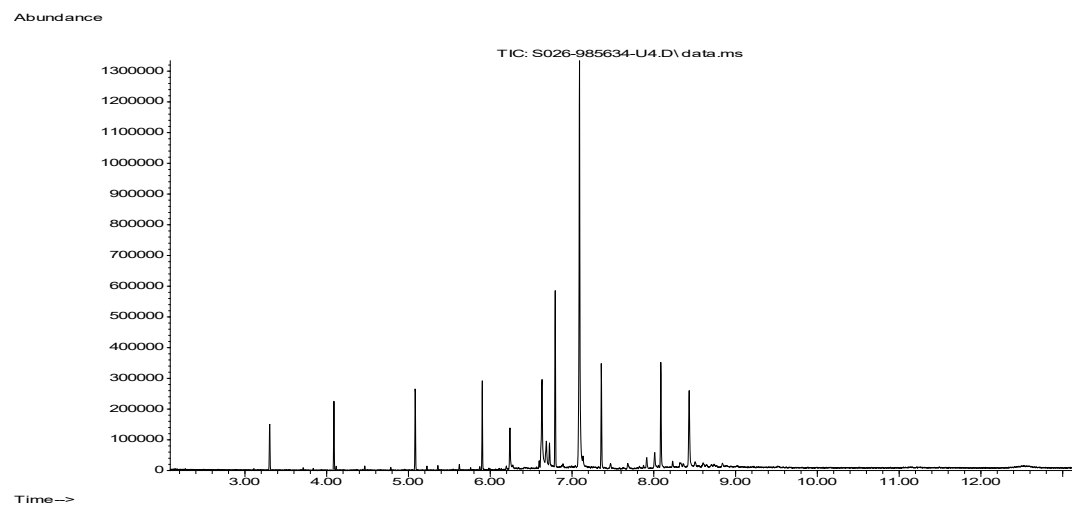
Where coal tar is reported as "indicative/not indicative", PAH source attribution has been assessed using the ratio of parent PAHs to alkylated PAHs to indicate a likely pyrogenic (coal tar-related) or petrogenic (bitumen-related) origin. This assessment is independent of total residue and/or benzo(a)pyrene concentrations and is provided for indicative purposes only; it represents a single line of evidence and does not, in isolation, constitute confirmation or classification as hazardous under WM3 guidance.

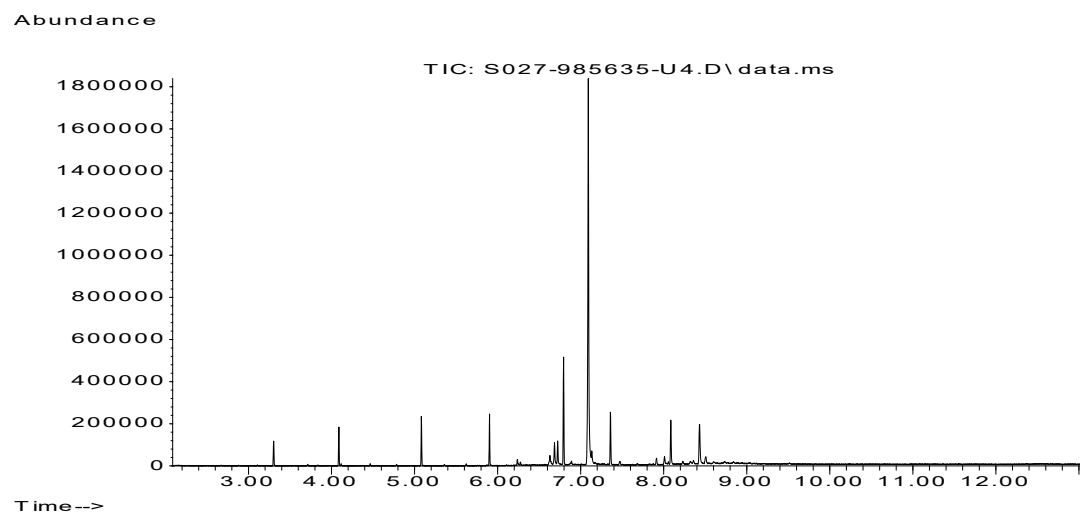
Quality control parameter failure associated with individual result applies to calculated sum of individuals.

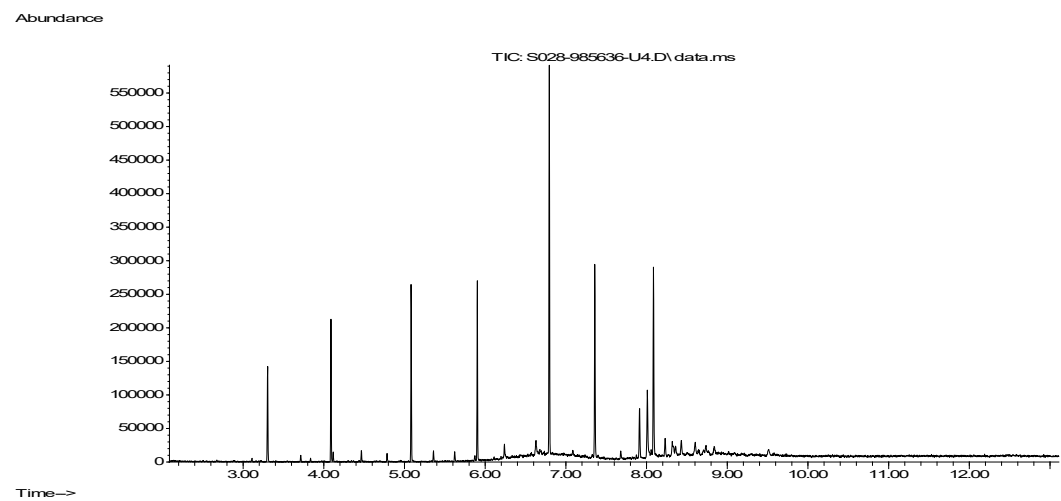
The result for sum should be interpreted with caution

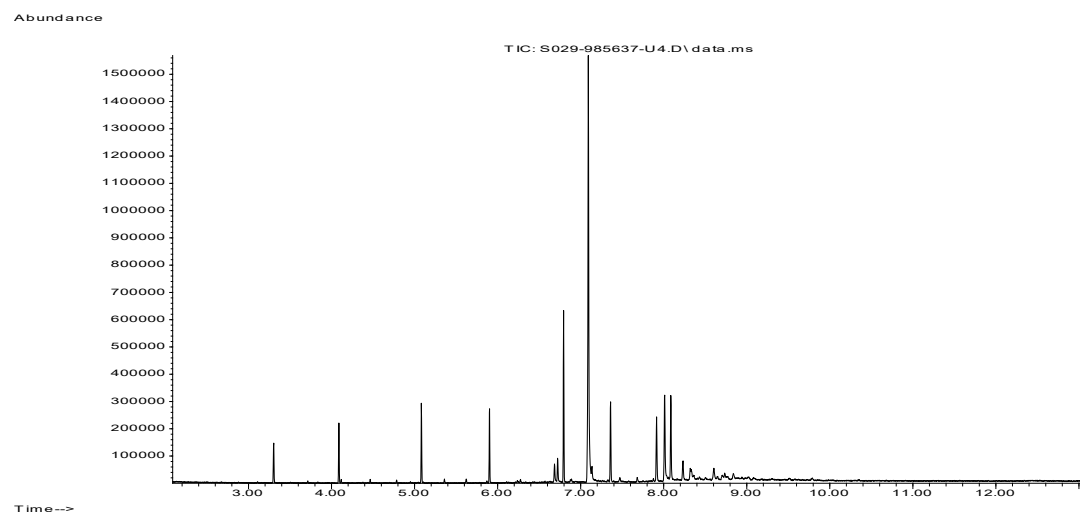


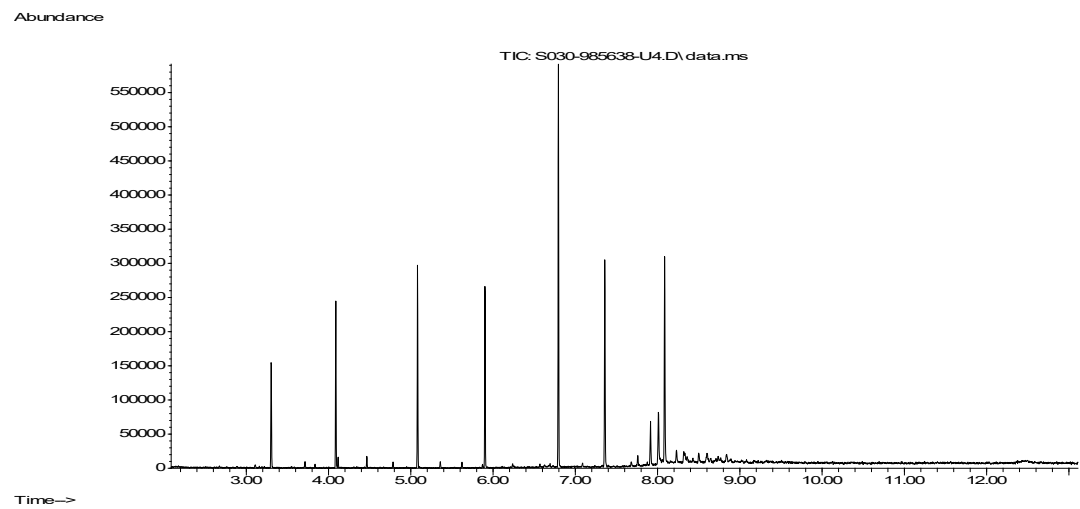


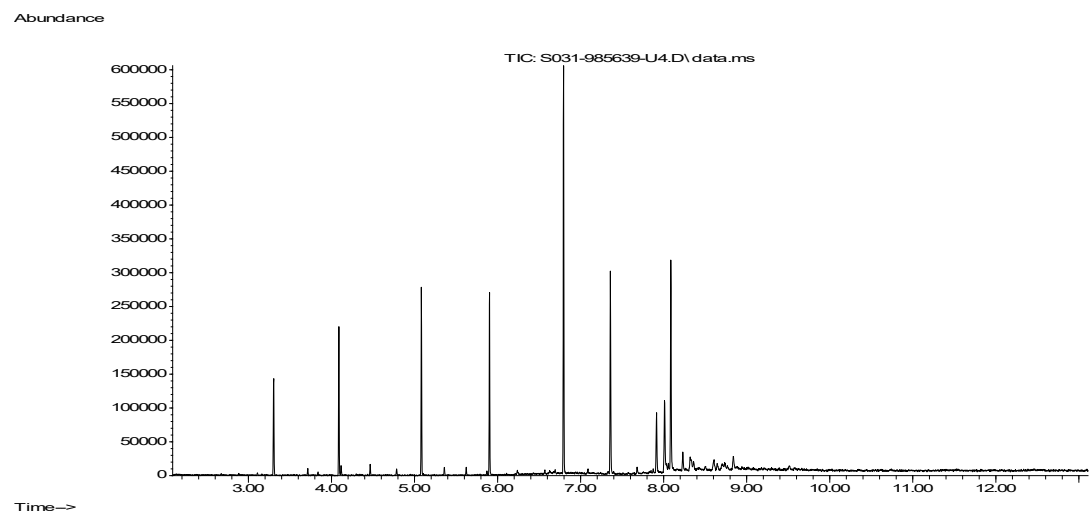












SUMMARY TABLE OF RESULTS



Sample Reference			1	2	3	4	5	6	7	8	S4UL / C4SL GAC
Depth (m)			0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Date Sampled			16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026	16/07/2026	
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection									Residential with home-grown produce (2.5% SOM)
Asbestos in Soil Detected/Not Detected	Type	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Non-detect
pH	pH Units	N/A	6.8	7	6.5	6.3	5.9	6.4	7	7.1	
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	1020	872	128	56.8	12.2	15.1	12.3	31.1	
Total Organic Carbon (TOC) - Automated	%	0.1	3.1	2.1	2.4	2.2	2.7	3.7	2.6	3.3	
Speciated PAHs											
Naphthalene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	5.6
Acenaphthylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	420
Acenaphthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	510
Fluorene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	400
Phenanthrene	mg/kg	0.05	0.27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	220
Anthracene	mg/kg	0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	5400
Fluoranthene	mg/kg	0.05	0.66	0.06	0.07	0.08	0.07	0.07	0.07	0.1	560
Pyrene	mg/kg	0.05	0.59	0.06	< 0.05	< 0.05	0.06	< 0.05	0.06	0.08	1200
Benzo(a)anthracene	mg/kg	0.05	0.34	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	11
Chrysene	mg/kg	0.05	0.31	< 0.05	< 0.05	0.06	< 0.05	< 0.05	< 0.05	< 0.05	22
Benzo(b)fluoranthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.3
Benzo(k)fluoranthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	93
Benzo(a)pyrene	mg/kg	0.05	0.36	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	36
Dibenz(a,h)anthracene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.28
Benzo(ghi)perylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	340
Speciated Total EPA-16 PAHs	mg/kg	0.8	2.8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	
Heavy Metals / Metalloids											
Arsenic	mg/kg	1	15	23	20	17	15	14	16	14	37
Beryllium	mg/kg	0.06	1	1.2	1.1	0.94	0.82	0.97	1.1	0.95	1.7
Boron (water soluble)	mg/kg	0.2	3.1	1.5	2.2	1.4	1.1	1.4	1.8	1.4	290
Cadmium	mg/kg	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	11
Chromium (hexavalent) Low Level	mg/kg	1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	6
Chromium (III)	mg/kg	1	36	37	41	34	34	36	37	37	910
Copper	mg/kg	1	22	28	21	16	16	18	19	19	2400
Lead	mg/kg	1	43	30	29	28	29	28	26	29	200
Mercury	mg/kg	0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	11
Nickel	mg/kg	1	18	20	17	14	14	16	19	17	130
Selenium	mg/kg	1	1.1	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	250
Vanadium	mg/kg	1	54	50	62	51	50	52	52	53	410
Zinc	mg/kg	1	88	69	64	60	59	66	65	61	3700
Petroleum Hydrocarbons											
TPHCWG - Aliphatic >EC5 - EC6 _{HS,1D,AL}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< Limit of detection
TPHCWG - Aliphatic >EC6 - EC8 _{HS,1D,AL}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	
TPHCWG - Aliphatic >EC8 - EC10 _{HS,1D,AL}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	
TPHCWG - Aliphatic >EC10 - EC12 _{EH,CU,1D,AL}	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPHCWG - Aliphatic >EC12 - EC16 _{EH,CU,1D,AL}	mg/kg	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
TPHCWG - Aliphatic >EC16 - EC21 _{EH,CU,1D,AL}	mg/kg	8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
TPHCWG - Aliphatic >EC21 - EC35 _{EH,CU,1D,AL}	mg/kg	8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< Limit of detection
TPHCWG - Aliphatic >EC35 - EC44 _{EH,CU,1D,AL}	mg/kg	8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	
TPHCWG - Aromatic >EC5 - EC7 _{HS,1D,AR}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	
TPHCWG - Aromatic >EC7 - EC8 _{HS,1D,AR}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	
TPHCWG - Aromatic >EC8 - EC10 _{HS,1D,AR}	mg/kg	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	
TPHCWG - Aromatic >EC10 - EC12 _{EH,CU,1D,AR}	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
TPHCWG - Aromatic >EC12 - EC16 _{EH,CU,1D,AR}	mg/kg	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1500
TPHCWG - Aromatic >EC16 - EC21 _{EH,CU,1D,AR}	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
TPHCWG - Aromatic >EC21 - EC35 _{EH,CU,1D,AR}	mg/kg	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
TPHCWG - Aromatic >EC35 - EC44 _{EH,CU,1D,AR}	mg/kg	8.4	16	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	
TPH Total >EC6 - EC40 _{EH,CU,HS,1D,TOTAL}	mg/kg	10	11	< 10	< 10	< 10	< 10	< 10	< 10	12	
VOCs											
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< Limit of detection
Benzene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Toluene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Ethylbenzene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
p & m-Xylene	µg/kg	8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
o-Xylene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	

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*EIC/AGS/CL:AIRE GAC (2010)

APPENDIX 3

WASTE

WASTE CLASSIFICATION

The European Waste Framework Directive is implemented in the UK by the 2002 Landfill Regulations, together with a number of other acts and regulations. A key part of this process is to establish the hazardous properties of potential waste. The classification and definition of hazardous waste is interpreted within the Environment Agency guidance WM3 and all wastes require classifying in accordance with the European Waste Catalogue [EWC]. The EWC is a detailed list of typical industry waste types and each has a 6 digit code. Typically the appropriate EWC codes for excavated soil being disposed off site are:

- 17 05 03* soil and stones containing dangerous substances, or
- 17 05 04 soil and stones other than those mentioned in 17 05 03

If excavated soils are to be discarded or exported from site then they would be considered controlled waste and require classification. However, if soils can be re-used on site then they are not considered to be controlled waste. A Desk Study, soil descriptions, laboratory chemical analysis and risk assessment can all contribute to basic waste characterisation. Depending upon the chemical composition or levels of contaminants in the waste (e.g. metals, TPH, asbestos), soil and stones can either be hazardous or non-hazardous. Waste Acceptance Criteria [WAC] test results are used to determine the suitability of the waste intended for disposal against the acceptance criteria for a particular class of landfill site. WAC tests are not used for the classification of waste soils and are only required for inert or hazardous excavated material which is destined for landfill.

Wastes containing asbestos with a concentration of >0.10% weight/weight (w/w) are generally considered to be hazardous. While waste with <0.10% w/w of asbestos are considered non-hazardous. Where free fibres or fibrous asbestos is present at concentrations of >0.001% then these are considered to pose a risk to human health and are deemed hazardous waste. These waste materials also require a suitably licensed company to handle them.

Waste Treatment

It is a requirement of the 2002 Landfill Regulations that all wastes must undergo some form of pre-treatment prior to disposal at an appropriately licensed landfill. Treatment is defined using a 'three-point test' and can include physical, chemical, biological or thermal processes, which must change the characteristics of the waste in order to:

- reduce its volume, or
- reduce its hazardous nature, or
- facilitate its handling, or
- enhance its recovery.

The exceptions to this are:

- inert waste for which treatment is not technically feasible.
- it is waste other than inert waste and treatment would not reduce its quantity or its hazards to human health or the environment.

The waste producer should either treat their own waste or ensure that the waste will be treated by a subsequent handler. The waste producer should record the type and amount of pre-treatment undertaken prior to disposal.

Examples of treatment include mechanical segregation or sorting, composting, soil treatment hubs and incineration. This can include physical sorting of waste soil types into separate stockpiles at the producer site, e.g. topsoil, made ground and natural clay, sand or gravels.

Waste Classification Report

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

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

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



QUU3I-HPYRZ-EA6P3

Report is invalid if pages are removed.

Job name

26-038588_HWOL

Description/Comments

Project

26/13366/A/GO

Site

Valewood Lane, Barns Green

Classified by

Name: **George Owens**
 Date: **06 Aug 2026 10:32 GMT**
 Telephone: **01428 684 836**
 Company: **Albury SI Ltd**
Miltons Yard, Petworth Rd, Witley
Godalming
GU8 5LH

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

HazWasteOnline™ Certification:

Course	Date
Hazardous Waste Classification	-

Purpose of classification

2 - Material Characterisation

Address of the waste

Greenfield Farm, Valewood Lane, Barns Green

Post Code RH13 0QJ

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Residential redevelopment

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

Waste created during excavation of slab bases

Description of the waste

made ground and clay

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	1--16072026-0.10		Non Hazardous		3
2	2--16072026-0.10		Non Hazardous		6
3	3--16072026-0.10		Non Hazardous		8
4	4--16072026-0.10		Non Hazardous		10
5	5--16072026-0.10		Non Hazardous		12
6	6--16072026-0.10		Non Hazardous		14
7	7--16072026-0.10		Non Hazardous		16
8	8--16072026-0.10		Non Hazardous		18

Related documents

#	Name	Description
1	26-038588_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

Report

Created by: George Owens

Created date: 06 Aug 2026 10:32 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	21
Appendix B: Rationale for selection of metal species	22
Appendix C: Version	23

Classification of sample: 1--16072026-0.10

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

Sample details

Sample name:	LoW Code:
1--16072026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
14%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		asbestos fibres detected (Yes/No)				No						
		ACM_FIBRES										
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				15	mg/kg	1.895	24.439	mg/kg	0.00244 %	✓
		033-005-00-1										
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1	mg/kg	8.868	7.626	mg/kg	0.000763 %	✓
		004-002-00-2										
4		boron { boric acid; [1] boric acid; [2] }				3.1	mg/kg	5.719	15.247	mg/kg	0.00152 %	✓
		005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]								
5		cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %	<LOD
		048-009-00-9	233-331-6	10124-36-4								
6		chromium in Cr(III) compounds { chromium(III) oxide }				36	mg/kg	1.462	45.25	mg/kg	0.00452 %	✓
		215-160-9		1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %	<LOD
		024-017-00-8										
8		copper { copper sulphate pentahydrate }				22	mg/kg	3.929	74.338	mg/kg	0.00743 %	✓
		029-023-00-4	231-847-6	7758-99-8								
9		lead { lead chromate }			1	43	mg/kg	1.56	57.682	mg/kg	0.0037 %	✓
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %	<LOD
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel dibromate }				18	mg/kg	5.358	82.947	mg/kg	0.00829 %	✓
		028-053-00-5	238-596-1	14550-87-9								
12		selenium { nickel selenate }				1.1	mg/kg	2.554	2.416	mg/kg	0.000242 %	✓
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				54	mg/kg	1.785	82.904	mg/kg	0.00829 %	✓
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				88	mg/kg	2.774	209.947	mg/kg	0.021 %	✓
		024-007-00-3	236-878-9	13530-65-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				11 mg/kg		9.46 mg/kg	0.000946 %	✓	
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				6.8 pH		6.8 pH	6.8 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				0.27 mg/kg		0.232 mg/kg	0.0000232 %	✓	
		201-581-5	85-01-8							
28	anthracene				0.05 mg/kg		0.043 mg/kg	0.0000043 %	✓	
		204-371-1	120-12-7							
29	fluoranthene				0.66 mg/kg		0.568 mg/kg	0.0000568 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.59 mg/kg		0.507 mg/kg	0.0000507 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				0.34 mg/kg		0.292 mg/kg	0.0000292 %	✓	
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				0.31 mg/kg		0.267 mg/kg	0.0000267 %	✓	
	601-034-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				0.36 mg/kg		0.31 mg/kg	0.000031 %	✓	
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				0.22 mg/kg		0.189 mg/kg	0.0000189 %	✓	
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0594 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%)
because: no liquid phase: results too low to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00094%)

Classification of sample: 2--16072026-0.10

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

Sample details

Sample name:	LoW Code:
2--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)				No							
			ACM_FIBRES										
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				23 mg/kg		1.895	37.474 mg/kg		0.00375 %	✓	
		033-005-00-1											
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1.2 mg/kg		8.868	9.152 mg/kg		0.000915 %	✓	
		004-002-00-2											
4		boron { boric acid; [1] boric acid; [2] }				1.5 mg/kg		5.719	7.378 mg/kg		0.000738 %	✓	
		005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
5		cadmium { cadmium sulfate }				<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
		048-009-00-9	233-331-6	10124-36-4									
6		chromium in Cr(III) compounds {  chromium(III) oxide }				37 mg/kg		1.462	46.507 mg/kg		0.00465 %	✓	
			215-160-9	1308-38-9									
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
		024-017-00-8											
8		copper { copper sulphate pentahydrate }				28 mg/kg		3.929	94.612 mg/kg		0.00946 %	✓	
		029-023-00-4	231-847-6	7758-99-8									
9		lead { lead chromate }			1	30 mg/kg		1.56	40.243 mg/kg		0.00258 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
10		mercury { mercury dichloride }				<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
11		nickel { nickel dibromate }				20 mg/kg		5.358	92.163 mg/kg		0.00922 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
12		selenium { nickel selenate }				2 mg/kg		2.554	4.393 mg/kg		0.000439 %	✓	
		028-031-00-5	239-125-2	15060-62-5									
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				50 mg/kg		1.785	76.763 mg/kg		0.00768 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
14		zinc { zinc chromate }				69 mg/kg		2.774	164.618 mg/kg		0.0165 %	✓	
		024-007-00-3	236-878-9	13530-65-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				7 pH		7 pH	7pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.06 mg/kg		0.0516 mg/kg	0.00000516 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.06 mg/kg		0.0516 mg/kg	0.00000516 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0559 %		

Key

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

Classification of sample: 3--16072026-0.10

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

Sample details

Sample name:	LoW Code:
3--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)			ACM_FIBRES	No							
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }			033-005-00-1	20 mg/kg		1.895	29.933 mg/kg		0.00299 %	✓	
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }			004-002-00-2	1.1 mg/kg		8.868	7.706 mg/kg		0.000771 %	✓	
4		boron { boric acid; [1] boric acid; [2] }			005-007-00-2	2.2 mg/kg		5.719	9.94 mg/kg		0.000994 %	✓	
		233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]										
5		cadmium { cadmium sulfate }			048-009-00-9	<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
		233-331-6	10124-36-4										
6		chromium in Cr(III) compounds { chromium(III) oxide }			215-160-9	41 mg/kg		1.462	47.34 mg/kg		0.00473 %	✓	
		1308-38-9											
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }			024-017-00-8	<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
8		copper { copper sulphate pentahydrate }			029-023-00-4	21 mg/kg		3.929	65.183 mg/kg		0.00652 %	✓	
		231-847-6	7758-99-8										
9		lead { lead chromate }			082-004-00-2	29 mg/kg		1.56	35.735 mg/kg		0.00229 %	✓	
		231-846-0	7758-97-6										
10		mercury { mercury dichloride }			080-010-00-X	<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
		231-299-8	7487-94-7										
11		nickel { nickel dibromate }			028-053-00-5	17 mg/kg		5.358	71.962 mg/kg		0.0072 %	✓	
		238-596-1	14550-87-9										
12		selenium { nickel selenate }			028-031-00-5	<1 mg/kg		2.554	<2.554 mg/kg		<0.000255 %		<LOD
		239-125-2	15060-62-5										
13		vanadium { divanadium pentaoxide; vanadium pentoxide }			023-001-00-8	62 mg/kg		1.785	87.438 mg/kg		0.00874 %	✓	
		215-239-8	1314-62-1										
14		zinc { zinc chromate }			024-007-00-3	64 mg/kg		2.774	140.261 mg/kg		0.014 %	✓	
		236-878-9	13530-65-9										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				6.5 pH		6.5 pH	6.5 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.07 mg/kg		0.0553 mg/kg	0.00000553 %	✓	
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				0.05 mg/kg		0.0395 mg/kg	0.00000395 %	✓	
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0483 %		

Key

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

Classification of sample: 4--16072026-0.10

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

Sample details

Sample name:	LoW Code:
4--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)			ACM_FIBRES	No							
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }			033-005-00-1	17 mg/kg		1.895	28.02 mg/kg		0.0028 %	✓	
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }			004-002-00-2	0.94 mg/kg		8.868	7.252 mg/kg		0.000725 %	✓	
4		boron { boric acid; [1] boric acid; [2] }			005-007-00-2	1.4 mg/kg		5.719	6.966 mg/kg		0.000697 %	✓	
		233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]										
5		cadmium { cadmium sulfate }			048-009-00-9	<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
		233-331-6	10124-36-4										
6		chromium in Cr(III) compounds { chromium(III) oxide }			215-160-9	34 mg/kg		1.462	43.233 mg/kg		0.00432 %	✓	
		1308-38-9											
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }			024-017-00-8	<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
8		copper { copper sulphate pentahydrate }			029-023-00-4	16 mg/kg		3.929	54.692 mg/kg		0.00547 %	✓	
		231-847-6	7758-99-8										
9		lead { lead chromate }			082-004-00-2	28 mg/kg		1.56	37.997 mg/kg		0.00244 %	✓	
		231-846-0	7758-97-6										
10		mercury { mercury dichloride }			080-010-00-X	<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
		231-299-8	7487-94-7										
11		nickel { nickel dibromate }			028-053-00-5	14 mg/kg		5.358	65.264 mg/kg		0.00653 %	✓	
		238-596-1	14550-87-9										
12		selenium { nickel selenate }			028-031-00-5	<1 mg/kg		2.554	<2.554 mg/kg		<0.000255 %		<LOD
		239-125-2	15060-62-5										
13		vanadium { divanadium pentaoxide; vanadium pentoxide }			023-001-00-8	51 mg/kg		1.785	79.209 mg/kg		0.00792 %	✓	
		215-239-8	1314-62-1										
14		zinc { zinc chromate }			024-007-00-3	60 mg/kg		2.774	144.81 mg/kg		0.0145 %	✓	
		236-878-9	13530-65-9										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				6.3 pH		6.3 pH	6.3 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.08 mg/kg		0.0696 mg/kg	0.00000696 %	✓	
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				0.06 mg/kg		0.0522 mg/kg	0.00000522 %	✓	
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0454 %		

Key

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

Classification of sample: 5--16072026-0.10

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

Sample details

Sample name:	LoW Code:
5--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)				No							
			ACM_FIBRES										
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				15 mg/kg		1.895	25.292 mg/kg		0.00253 %	✓	
		033-005-00-1											
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.82 mg/kg		8.868	6.472 mg/kg		0.000647 %	✓	
		004-002-00-2											
4		boron { boric acid; [1] boric acid; [2] }				1.1 mg/kg		5.719	5.599 mg/kg		0.00056 %	✓	
		005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
5		cadmium { cadmium sulfate }				<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4										
6		chromium in Cr(III) compounds { chromium(III) oxide }				34 mg/kg		1.462	44.227 mg/kg		0.00442 %	✓	
			215-160-9	1308-38-9									
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
		024-017-00-8											
8		copper { copper sulphate pentahydrate }				16 mg/kg		3.929	55.95 mg/kg		0.00559 %	✓	
		029-023-00-4	231-847-6	7758-99-8									
9		lead { lead chromate }			1	29 mg/kg		1.56	40.259 mg/kg		0.00258 %	✓	
	082-004-00-2	231-846-0	7758-97-6										
10		mercury { mercury dichloride }				<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7										
11		nickel { nickel dibromate }				14 mg/kg		5.358	66.765 mg/kg		0.00668 %	✓	
	028-053-00-5	238-596-1	14550-87-9										
12		selenium { nickel selenate }				<1 mg/kg		2.554	<2.554 mg/kg		<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5										
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				50 mg/kg		1.785	79.441 mg/kg		0.00794 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
14		zinc { zinc chromate }				59 mg/kg		2.774	145.67 mg/kg		0.0146 %	✓	
	024-007-00-3	236-878-9	13530-65-9										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				5.9 pH		5.9 pH	5.9 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.07 mg/kg		0.0623 mg/kg	0.00000623 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.06 mg/kg		0.0534 mg/kg	0.00000534 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0455 %		

Key

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

Classification of sample: 6--16072026-0.10

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

Sample details

Sample name:	LoW Code:
6--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	asbestos fibres detected (Yes/No)				No						
			ACM_FIBRES								
2	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				14 mg/kg	1.895	23.075 mg/kg	0.00231 %	✓		
	033-005-00-1										
3	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.97 mg/kg	8.868	7.484 mg/kg	0.000748 %	✓		
	004-002-00-2										
4	boron { boric acid; [1] boric acid; [2] }				1.4 mg/kg	5.719	6.966 mg/kg	0.000697 %	✓		
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]								
5	cadmium { cadmium sulfate }				<0.2 mg/kg	1.855	<0.371 mg/kg	<0.0000371 %			<LOD
	048-009-00-9	233-331-6	10124-36-4								
6	chromium in Cr(III) compounds { chromium(III) oxide }				36 mg/kg	1.462	45.776 mg/kg	0.00458 %	✓		
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2 mg/kg	2.27	<2.724 mg/kg	<0.000272 %			<LOD
	024-017-00-8										
8	copper { copper sulphate pentahydrate }				18 mg/kg	3.929	61.529 mg/kg	0.00615 %	✓		
	029-023-00-4	231-847-6	7758-99-8								
9	lead { lead chromate }			1	28 mg/kg	1.56	37.997 mg/kg	0.00244 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel dibromate }				16 mg/kg	5.358	74.588 mg/kg	0.00746 %	✓		
	028-053-00-5	238-596-1	14550-87-9								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				52 mg/kg	1.785	80.762 mg/kg	0.00808 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				66 mg/kg	2.774	159.291 mg/kg	0.0159 %	✓		
	024-007-00-3	236-878-9	13530-65-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				6.4 pH		6.4 pH	6.4 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.07 mg/kg		0.0609 mg/kg	0.00000609 %	✓	
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0484 %		

Key

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

Classification of sample: 7--16072026-0.10

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

Sample details

Sample name:	LoW Code:
7--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				16 mg/kg		1.895	26.069 mg/kg		0.00261 %	✓	
		033-005-00-1											
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1.1 mg/kg		8.868	8.389 mg/kg		0.000839 %	✓	
		004-002-00-2											
4		boron { boric acid; [1] boric acid; [2] }				1.8 mg/kg		5.719	8.853 mg/kg		0.000885 %	✓	
		005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
5		cadmium { cadmium sulfate }				<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
		048-009-00-9	233-331-6	10124-36-4									
6		chromium in Cr(III) compounds { chromium(III) oxide }				37 mg/kg		1.462	46.507 mg/kg		0.00465 %	✓	
			215-160-9	1308-38-9									
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
		024-017-00-8											
8		copper { copper sulphate pentahydrate }				19 mg/kg		3.929	64.201 mg/kg		0.00642 %	✓	
		029-023-00-4	231-847-6	7758-99-8									
9		lead { lead chromate }			1	26 mg/kg		1.56	34.877 mg/kg		0.00224 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
10		mercury { mercury dichloride }				<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
11		nickel { nickel dibromate }				19 mg/kg		5.358	87.555 mg/kg		0.00876 %	✓	
		028-053-00-5	238-596-1	14550-87-9									
12		selenium { nickel selenate }				<1 mg/kg		2.554	<2.554 mg/kg		<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				52 mg/kg		1.785	79.833 mg/kg		0.00798 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
14		zinc { zinc chromate }				65 mg/kg		2.774	155.075 mg/kg		0.0155 %	✓	
		024-007-00-3	236-878-9	13530-65-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				7 pH		7 pH	7pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.07 mg/kg		0.0602 mg/kg	0.00000602 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.06 mg/kg		0.0516 mg/kg	0.00000516 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.0499 %		

Key

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

Classification of sample: 8--16072026-0.10

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

Sample details

Sample name:	LoW Code:
8--16072026-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12% (wet weight correction)	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		asbestos fibres detected (Yes/No)			ACM_FIBRES	No							
2		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }			033-005-00-1	14 mg/kg		1.895	23.341 mg/kg		0.00233 %	✓	
3		beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }			004-002-00-2	0.95 mg/kg		8.868	7.414 mg/kg		0.000741 %	✓	
4		boron { boric acid; [1] boric acid; [2] }			005-007-00-2	1.4 mg/kg		5.719	7.046 mg/kg		0.000705 %	✓	
		233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]										
5		cadmium { cadmium sulfate }			048-009-00-9	<0.2 mg/kg		1.855	<0.371 mg/kg		<0.0000371 %		<LOD
		233-331-6	10124-36-4										
6		chromium in Cr(III) compounds { chromium(III) oxide }			215-160-9	37 mg/kg		1.462	47.588 mg/kg		0.00476 %	✓	
		1308-38-9											
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }			024-017-00-8	<1.2 mg/kg		2.27	<2.724 mg/kg		<0.000272 %		<LOD
8		copper { copper sulphate pentahydrate }			029-023-00-4	19 mg/kg		3.929	65.694 mg/kg		0.00657 %	✓	
		231-847-6	7758-99-8										
9		lead { lead chromate }			082-004-00-2	29 mg/kg		1.56	39.806 mg/kg		0.00255 %	✓	
		231-846-0	7758-97-6										
10		mercury { mercury dichloride }			080-010-00-X	<0.3 mg/kg		1.353	<0.406 mg/kg		<0.0000406 %		<LOD
		231-299-8	7487-94-7										
11		nickel { nickel dibromate }			028-053-00-5	17 mg/kg		5.358	80.16 mg/kg		0.00802 %	✓	
		238-596-1	14550-87-9										
12		selenium { nickel selenate }			028-031-00-5	<1 mg/kg		2.554	<2.554 mg/kg		<0.000255 %		<LOD
		239-125-2	15060-62-5										
13		vanadium { divanadium pentaoxide; vanadium pentoxide }			023-001-00-8	53 mg/kg		1.785	83.261 mg/kg		0.00833 %	✓	
		215-239-8	1314-62-1										
14		zinc { zinc chromate }			024-007-00-3	61 mg/kg		2.774	148.916 mg/kg		0.0149 %	✓	
		236-878-9	13530-65-9										

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	TPH (C6 to C40) petroleum group				12 mg/kg		10.56 mg/kg	0.00106 %	✓	
			TPH							
16	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
18	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
19	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
20	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
21	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
22	pH				7.1 pH		7.1 pH	7.1 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.1 mg/kg		0.088 mg/kg	0.0000088 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.08 mg/kg		0.0704 mg/kg	0.00000704 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	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							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.05 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%)
because: no liquid phase: results too low to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00106%)

Appendix A: Classifier defined and non GB MCL determinands

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

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

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

Description/Comments: Data from ECHACHEM; REACH submission: Not classified;
Sigma Aldrich SDS v6.7 dated 25/12/2025: Not classified
Data source: <https://chem.echa.europa.eu/100.013.783/overview>
<https://www.sigmaaldrich.com/GB/en/sds/sigald/393703>
Data source date: 12 May 2026
Hazard Statements: None.

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

Description/Comments: Unknown Oil
Hazard statements taken from WM3 version 1.1.NI and 1.2.GB 2021
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• **confirm TPH has NOT arisen from diesel or petrol** (CAS Number: TPH_CONFIRM)

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

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

GB MCL index number: 601-023-00-4
Description/Comments: IARC considers ethylbenzene Group 2B; Possibly carcinogenic to humans;
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2026 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

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

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.7 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.005.380/overview>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/416703>
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 1; H330 , STOT SE 3; H335

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

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.8 dated 12/12/2025
Data source: <https://chem.echa.europa.eu/100.001.336/industry/113817?searchText=83-32-9>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/215376>
Data source date: 02 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.6 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.001.541/overview>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/128333>
Data source date: 02 Mar 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.001.437/overview>
<https://www.sigmaaldrich.com/GB/en/sds/supelco/48569>
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , EUH441

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

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v9.3 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.003.974/overview>
<https://www.sigmaaldrich.com/GB/en/sds/supelco/48567>
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440

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

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.005.376/overview>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/f807>
Data source date: 03 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

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

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.004.481/overview>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/185515>
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

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

Description/Comments: Data from ECHACHEM database; CLP submissions
SDS Sigma Aldrich v6.8 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.005.359/overview>
<https://www.sigmaaldrich.com/GB/en/sds/supelco/48499>
Data source date: 03 Mar 2026
Hazard Statements: Carc. 2; H351 , 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 ECHACHEM; CLP submissions; Sigma Aldrich SDS v7.1 dated 25/12/2025
Data source: <https://chem.echa.europa.eu/100.005.350/overview>
<https://www.sigmaaldrich.com/GB/en/sds/aldrich/b9009>
Data source date: 18 May 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , vPvB; EUH441 , PBT; EUH440

Appendix B: Rationale for selection of metal species

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

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

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

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

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

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

cadmium {cadmium sulfate}

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

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

no historic process or works

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

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

copper {copper sulphate pentahydrate}

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

lead {lead chromate}

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

mercury {mercury dichloride}

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

nickel {nickel dibromate}

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

selenium {nickel selenate}

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

vanadium {divanadium pentaoxide; vanadium pentoxide}

worst case

zinc {zinc chromate}

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021

HazWasteOnline Classification Engine Version: 2026.205.7280.3a0cb92 (25 Jul 2026)

HazWasteOnline Database: 2026.205.7280.3a0cb92 (25 Jul 2026)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025