

PHASE 2 REPORT ON A SITE INVESTIGATION

Site

**ELMS BARN,
BLACKSTONE LANE, BLACKSTONE
HENFIELD, BN5 9TA**

Client

TRUSSLERS HILL FARM LTD

Report Ref

26/13263/A/GO

Issued

January 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



DOCUMENT CONTROL				
Report Title	Phase 2 Report on a Site Investigation			
Contract	Blackstone Lane, Henfield			
Client	Trusslers Hill Farm			
Report Reference	26/13263/A/GO			
Prepared by	G C D Owens BSc MSc FGS MEnvSc Director			
Approved by	K J Clark BSc Hons Director			
DOCUMENT HISTORY				
Revision	Status	Date	Issued by	Revision Detail
0	Final	29/01/2026		

Albury S.I. Limited has prepared this Report with reasonable skill and care for the sole use of the Client in accordance with the terms and conditions of the contract under which our services were provided. No duty of care and no contractual obligation (whether expressed or implied) is owed to any third party. Should any third party rely on this Report then they do so at their own risk and Albury S.I. Limited shall have no liability whether in contract or in tort, in negligence, for breach of statutory duty or otherwise to any such party. No warranty, expressed or implied, is made as to the professional advice included in this Report or any services provided by Albury S.I. Limited.

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.

This Report is prepared for the specific purpose stated and in relation to the development proposals or usage indicated to Albury S.I. Limited at the time of preparation. The recommendations should not be used for adjacent schemes and may not be appropriate for alternative proposals.

This Report is the Copyright of Albury S.I. Limited with whom the master copy resides. Further electronic copies can be obtained subject to the clients permission.

REPORT REF: 26/13263/A/GO
CONTRACT: BLACKSTONE LANE, HENFIELD

TABLE OF CONTENTS

DOCUMENT CONTROL
FOREWORD

EXECUTIVE SUMMARY..... 1

1 INTRODUCTION..... 1

2 FIELDWORKS..... 1

3 GROUND CONDITIONS 2

4 LABORATORY TESTING 3

5 GROUND CONTAMINATION 3

REFERENCES
LIST OF ABBREVIATIONS

FIGURES

- 1 Site Plan
- 2 Proposed Layout

APPENDICES

- 1 Exploratory Records
- 2 Laboratory Test Results
- 3 Waste

EXECUTIVE SUMMARY

This investigation has demonstrated that made ground overlies cohesive soils thought to be associated with the Gault Formation of Cretaceous age, which in turn conceals granular soils typical of the Folkestone Formation of a similar age. The results of the geochemical analysis have not recorded any elevated levels of contamination and specific remedial measures are not necessary as part of the proposed change of use.

1 INTRODUCTION

1.1 Scope

The client proposes to convert the existing agricultural barn for residential use at Elms Barn, Blackstone Lane, Henfield ("the site"). A Phase 1 Desk Study was undertaken by Albury S.I. Ltd in November 2025 and due to historical agricultural use, it was recommended that an intrusive investigation be undertaken to assess the active pollutant linkages. This report should be read in conjunction with this earlier assessment.

Accordingly, an exploratory investigation into ground conditions has been made to assess the impact from potentially contaminative usage and to obtain data to inform a risk assessment. The scope of this investigation comprised the construction of five boreholes using hand-held window sampling techniques. During this work in situ screening of samples for volatile organic compounds (VOC) was performed and samples obtained for 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.

2 FIELDWORKS

The boreholes were constructed on 15th January 2026 at locations as shown on the site plan, drawing no. 26/13263/A/1, which is presented as Figure 1. The proposed layout is presented as Figure 2. Boreholes 1, 2 and 3 were located within the footprint of the existing barn, with boreholes 4 and 5 targeting the proposed rear gardens.

The depths and descriptions of the strata encountered in the boreholes are given on the records which comprise Appendix 1 to this report. These records note the depths at which samples were taken, the results of in situ screening and the groundwater observations noted at the time of the fieldworks.

3 GROUND CONDITIONS

3.1 Geology

Reference to the earlier Desk Study indicates the site to be underlain by the Folkestone Formation of Cretaceous age and typically this comprises sand or sandstone. The Gault Formation of a similar age outcrops immediately to the south of the site and locally to the west are superficial outcrops of Head of recent or Quaternary age.

3.2 Stratigraphy

Consideration of the exploratory records indicates that within the existing barn the made ground present at surface comprises brown silty sand over white gravel of chalk, extending to depths of 0.15m and 0.20m. Further probable disturbed or made ground in the form of mid brown very sandy clay with rare flint gravel was noted to 0.45m within borehole 3. Externally disturbed and made ground extends to 0.40m, consisting of brown sandy clay with occasional roots and variable amounts of gravel of flint, brick and chalk fragments.

Cohesive soils varying from brown sandy to very sandy clay/clayey sand or orangish brown mottled grey, slightly sandy (fine) silty clay, was exposed beneath the made ground. These cohesive soils are thought to represent the Gault Formation and were proved to depths of between 1.20m and 2.70m.

Granular soils varying from brown to greenish brown mottled orangish brown silty sand, were revealed beneath the cohesive strata described above in boreholes 1, 2 and 3 which is indicative of the Folkestone Formation. Greyish brown very sandy clay/clayey sand was revealed below 2.70m and 1.70m within boreholes 4 and 5, which may indicate the transition from the Gault Formation to the underlying Folkestone Formation. Each of the boreholes were concluded at 3.10m.

3.3 Groundwater

During the construction of the exploratory positions groundwater strikes were recorded at between 0.60m and 1.20m depths. Short-term standing water levels of between 0.88m and 2.05m were observed upon completion of boreholes 2 to 5. No groundwater strikes were encountered during the construction of borehole 1 which remained dry throughout.

3.4 In Situ Testing

During the sampling measurement of soil vapours [VOC] was carried out on the samples of the soils taken using a PhoCheck Tiger XTL PID meter with 10.6 eV Krypton PID lamp. The composite sample is placed within a sealed plastic bag with a limited air space (headspace) which allows vapours to enter following agitation of the sample bag. The headspace is then measured using the PID meter and the results recorded in ppm as an indicative total VOC. The levels of TVOC recorded during this work were 0.2ppm and no obvious visual or olfactory evidence of contamination was apparent during the sampling.

4 LABORATORY TESTING

Samples at 0.10m depth in boreholes 1 to 5 were submitted for geochemical testing at the UKAS accredited laboratories operated by i2 Analytical Ltd and the results are presented as Appendix 2 to this report.

The testing was based upon the CSM formulated as part of the earlier Desk Study and comprises a suite of typical inorganic and organic priority contaminants including metals, PAH, TPH CWG and an asbestos screen. The testing also includes BTEX analysis as indicator parameters for the presence of VOC, as no measurable VOC was recorded during in situ screening.

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 is presented in tabular form below for reference.

Table 1 - Preliminary Conceptual Site Model

Source(s)	Potential Pathway(s)	Receptor(s)	Risk Level
Probable ACM profile roof sheets and cladding of existing structure - <i>Asbestos (Chrysotile)</i>	Inhalation of dust	Site workers and neighbours, trespassers	Low to moderate
Historical use for agriculture (on-site) & Made ground - <i>Heavy metals</i> - <i>PAH</i> - <i>Petroleum hydrocarbons (potential fuel storage in small containers- Diesel Range)</i> - <i>alkaline pH</i>	Dermal contact, inhalation and ingestion	Site workers and end users. Trespassers	Moderate
	Leaching	Potable water supply pipes Groundwater (Principal Aquifer)	Moderate
Infilled ponds noted on historical OS mapping within 250m - <i>ground gas generation (CO₂ and CH₄)</i>	Lateral soil migration	Proposed structure	Negligible

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 home-grown produce) at 1% SOM and are presented as a summary table in Appendix 2.

A study of the data does not reveal any exceedances of the GAC and specific remedial measures are not necessary. Moreover, no measurable concentrations of volatile hydrocarbons were recorded and protective measures in respect of ground gases are not necessary.

5.2 Groundwater

The site is underlain by a Principal aquifer which is not at risk from the proposed redevelopment.

5.3 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.

5.4 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 arising 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.

5.5 Potable Water Supply Pipes

Based upon the results of the geochemical testing specialist precautions with respect to buried water pipes are not thought to be necessary. Nevertheless, the advice of the water supply company should be sought to determine any specific requirements they may have with regard to the specification for incoming potable water supply pipes.

REFERENCES

- British Standards (2016). Methods of test for soils for civil engineering purposes, BS 1377-1:2016. *British Standard Institution, London.*
- British Standards (2011). Investigation of potentially contaminated sites. Code of Practice. BS 10175+A2:2017. *British Standard Institution, London.*
- British Standards (2013). Guidance on investigations for ground gas. Permanent gases and Volatile Organic Compounds (VOCs). BS 8576. *British Standard Institution, London.*
- British Standards (2015). Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. BS 8485+A1:2019. *British Standard Institution, London.*
- British Standards (2015). Code of practice for ground investigations, BS 5930:2015. *British Standard Institution, London.*
- Building Research Establishment [BRE] (2004). *Cover systems for land regeneration: Thickness of cover systems for contaminated land (BR 465).* BRE Watford, UK.
- Building Research Establishment [BRE] (2005). *Concrete in aggressive ground: Special Digest 1* (3rd Ed.). BRE Watford, UK.
- Building Research Establishment [BRE] (2015). *Guidance on protective measures for new buildings. (BR 212).* BRE Watford, UK.
- Contaminated land: Applications in Real Environments. (2013). *SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Final Project Report.*
- Chartered Institute of Environmental Health and Contaminated Land: Applications in Real Environments (2008). *The Guidance on Comparing Soil Contamination Data with Critical Concentration.* London, UK.
- Environment Agency (2004). *Model Procedures for the Management of Contaminated Land.* Contaminated Land Report (CLR) 11, SC02000028, Environment Agency, Bristol, UK.
- Environment Agency (2015). Interpretation of the definition and classification of hazardous waste. 1st edition. Technical Guidance WM3. *Environment Agency, UK.*
- Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C. and Nathanail, J.F. (2015). *The LQM/CIEH S4ULs for Human Health Risk Assessment.* Land Quality Press, Nottingham. Publication Number S4UL3073.
- Stroud, M. A. (1974). The standard penetration test in insensitive clays and soft rocks. *Proceedings of the European Symposium on Penetration Testing, Stockholm, 2, 367-375.*

LIST OF ABBREVIATIONS

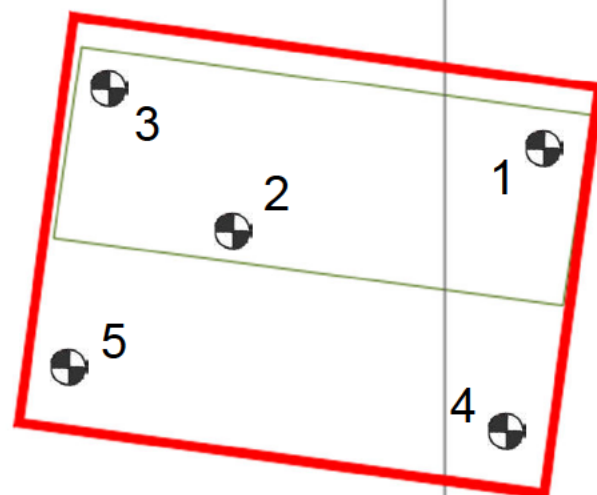
AOD	-	Above Ordnance Datum
ACM	-	Asbestos-containing Material
AST	-	Above-ground Storage Tank
BGS	-	British Geological Survey
BH	-	Borehole
BRE	-	Building Research Establishment
BSI	-	British Standards Institution
BS	-	British Standard
C4SL	-	Category Four Screening Level
CIRIA	-	Construction Industry 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

SITE PLAN

Legend:

-  Borehole Location
-  Site Boundary



BLACKSTONE LANE

32.8m

Title:	Site Plan
Dwg No:	26/13263/A/1
Drawn by:	GO
Client:	Trusslers Hill Farm Ltd
Contract:	Blackstone Road, Henfield
Job Ref:	26/13263/A/GO
Scale:	NTS
Revision:	0
Issue Date:	29/01/2026



ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 2

PROPOSED LAYOUT



Serial number: 312079
© Crown copyright and database right 2025
Ordnance Survey licence AC0000848283
Reproduction in whole or in part is prohibited
without the prior permission of Ordnance Survey.



Location Plan
1:1250 EXISTING



Block Plan
1:200 PROPOSED

Footprint: 255.46m²
Allowable Curtilage: 510.92m²
Proposed Curtilage: 506 m²

This drawing is the copyright of
Manorwood Construction Ltd but may
be used for planning purposes by the
Local Authority without breach of
copyright.

Do not scale from this drawing unless
for Local Authority planning purposes.

All dimensions must be checked on
site prior to commencement of works.

Construction (Design and
Management) Regulations 2015

This drawing is intended for Planning
purposes only and as such does not
highlight residual design related health
and safety risks.

This information can be provided on
request; however, it is anticipated that
the full extent of residual risks will be
identified during the detailed Building
Regulations or construction design
Status and prior to construction works
commencing on site.

All responsibilities and duties of
Principal Designer as stated within the
above regulations now revert to the
client unless Manorwood are appointed
to undertake Building Regulations or
construction drawings.



Suite 114
26 The Hornet
Chichester
West Sussex
PO19 7BB

tel: 01243 201 102
email: enquiries@manorwood.co.uk
web: www.manorwood.co.uk

Address
Blackstone Farm, Blackstone
Road, Blackstone, Henfield, BN5
9TA

Submission Planning

Scale @ A3 1:1250

Job No. 2506BL

Drawn By MD

Checked By BK

Drawn On 21.07.2025

Issued On 21.07.2025

Status Existing

Drawing Location Plan

Drawing No. 2506BL_000

Revision 000

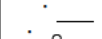
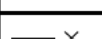
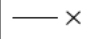
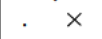
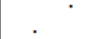
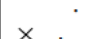
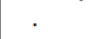
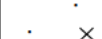
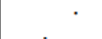
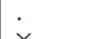
Application Area: 506 m²

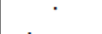
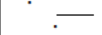
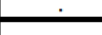
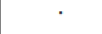
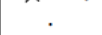
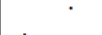
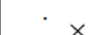


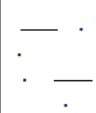
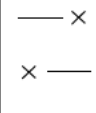
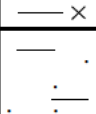
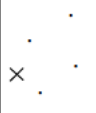
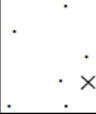
Indicative: 0.0°
1m @ 1:
50
100
200
500
1250

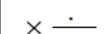
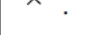
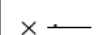
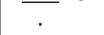
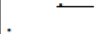
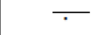
APPENDIX 1

EXPLORATORY RECORDS

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE		1			
CONTRACT		Blackstone Lane, Henfield				Report Ref		26/13263/A/GO	
Client		Trusslers Hill Farm Ltd				Date		15/01/2026	
Site Address		Elms Barns, Blackstone Lane, Blackstone, Henfield West Sussex BN5 9TA				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Drive-in Window Sampler		Very easy:		Difficult:		GL-1.40	
2.		60mm to 50mm diameter		Moderate:		Very hard:		1.40-3.10	
Water level observed upon completion (m):				dry		Technician: DH			
Remarks No obvious visual or olfactory evidence of contamination. PID TVOC (ppm) readings: 0.10m = 0.1, 0.30m = 0.1, 0.50m = 0.2, 1.00m = 0									
Samples or tests			Shear Strength (kPa)	Depth		Legend	Strata Description		
Type	Depth (m)								
D	0.10	120	0.15			MADE GROUND (brown silty SAND over white GRAVEL of chalk)			
D	0.30					Brown sandy CLAY with rare flint gravel and traces of roots [GAULT FORMATION]			
D	0.50								
				0.75					
D	1.00					Stiff brown mottled grey silty CLAY			
						[GAULT FORMATION]			
				1.40					
D	1.50						Brown to greenish brown silty SAND		
							[FOLKESTONE FORMATION]		
									
D	2.00								
									
D	2.50								
									
D	3.00			3.10					
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE		2				
CONTRACT		Blackstone Lane, Henfield				Report Ref		26/13263/A/GO		
Client		Trusslers Hill Farm Ltd				Date		15/01/2026		
Site Address		Elms Barns, Blackstone Lane, Blackstone, Henfield West Sussex, BN5 9TA				Ground Level				
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)						
1. 1.20		Drive-in Window Sampler		Very easy:		Difficult: GL-3.10				
2.		60mm to 50mm diameter		Moderate:		Very hard:				
Water level observed upon completion (m):				1.70		Technician: DH				
Remarks No obvious visual or olfactory evidence of contamination. PID TVOC (ppm) readings: 0.10m = 0.1, 0.30m = 0.1, 0.50m = 0.1, 1.00m = 0										
Samples or tests		Shear Strength (kPa)	Depth		Legend	Strata Description				
Type	Depth (m)									
D	0.10	140	0.20			MADE GROUND (brown silty SAND over white GRAVEL of chalk)				
D	0.30									
D	0.50		0.60			Brown becoming orangish brown sandy CLAY [GAULT FORMATION]				
						Stiff brown mottled grey sandy CLAY				
D	1.00		1.20			[GAULT FORMATION]				
						Brown slightly clayey silty SAND, becoming greenish mottled orangish brown at depth				
D	1.50		3.10				[FOLKESTONE FORMATION]			
										
D	2.00									
										
D	2.50									
										
										
D	3.00			3.10			END OF BOREHOLE			
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE	3	
CONTRACT		Blackstone Lane, Henfield		Report Ref	26/13263/A/GO	
Client		Trusslers Hill Farm Ltd		Date	15/01/2026	
Site Address		Elms Barns, Blackstone Lane, Blackstone, Henfield West Sussex BN5 9TA		Ground Level		
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)		
1. 0.80		Drive-in Window Sampler		Very easy: Difficult: GL-3.10		
2.		60mm to 50mm diameter		Moderate: Very hard:		
Water level observed upon completion (m):		2.05		Technician: DH		
Remarks No obvious visual or olfactory evidence of contamination. PID TVOC (ppm) readings: 0.10m = 0.2, 0.30m = 0.1, 0.50m = 0.1, 1.00m = 0						
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description	
Type	Depth (m)					
D	0.10	75	0.20		MADE GROUND (brown silty SAND over off-white silty GRAVEL of chalk)	
D	0.30				Mid brown very sandy CLAY with rare flint gravel (probable disturbed/MADE GROUND)	
D	0.50		0.45		Brown sandy CLAY becoming stiff orangish brown mottled grey silty CLAY by 1.00m [GAULT FORMATION]	
D	1.00					
D	1.50		1.45		Greenish brown mottled orangish brown very sandy CLAY/clayey SAND [FOLKESTONE FORMATION]	
D	2.00		1.80		Greenish brown silty SAND [FOLKESTONE FORMATION]	
D	2.50					
D	3.00		3.10		END OF BOREHOLE	

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		www.alburysi.co.uk		BOREHOLE	5
CONTRACT		Blackstone Lane, Henfield		Report Ref	26/13263/A/GO
Client		Trusslers Hill Farm Ltd		Date	15/01/2026
Site Address		Elms Barns, Blackstone Lane, Blackstone, Henfield West Sussex BN5 9TA		Ground Level	
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)	
1. 1.00		Drive-in Window Sampler		Very easy: Difficult: 1.70-3.10	
2.		60mm to 50mm diameter		Moderate: GL-1.70 Very hard:	
Water level observed upon completion (m):		1.84		Technician: HF	
Remarks No obvious visual or olfactory evidence of contamination. PID TVOC (ppm) readings: 0.10m = 0.1, 0.30m = 0.1, 0.50m = 0, 1.00m = 0					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10	160	0.40		Vegetation over MADE GROUND (brown slightly gravelly sandy CLAY. Gravel of occasional brick and chalk fragments)
D	0.30				
D	0.50				
		140	1.70	     	Stiff/very stiff orangish brown mottled grey slightly sandy (fine) silty CLAY [GAULT FORMATION]
D	1.00				
D	1.50				
				        	Dark greyish-brown clayey SAND/very sandy CLAY [FOLKESTONE FORMATION?]
D	2.00				
D	2.50				
			3.10	            	END OF BOREHOLE
D	3.00				

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:
e: george.owens@alburysl.co.uk
keith.clark@alburysl.co.uk
lab@alburysl.co.uk

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

Analytical Report Number : 26-001973

Project / Site name:	Blackstone Lane, Henfield	Samples received on:	16/01/2026
Your job number:	26 13263 A GO	Samples instructed on/ Analysis started on:	16/01/2026
Your order number:	15886	Analysis completed by:	27/01/2026
Report Issue Number:	1	Report issued on:	27/01/2026
Samples Analysed:	5 soil samples		

Signed: _____

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
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: 26-001973
Project / Site name: Blackstone Lane, Henfield
Your Order No: 15886

Lab Sample Number	802403	802404	802405	802406	802407
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	15/01/2026	15/01/2026	15/01/2026	15/01/2026	15/01/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.7	16	12	18	17
Total mass of sample received	kg	0.1	NONE	1	0.6	0.9	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	SPU	SPU	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	21/01/2026	21/01/2026	21/01/2026	21/01/2026	21/01/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.3	7.9	8.2	6.9	7.8
Total Sulphate as SO ₄	mg/kg	50	MCERTS	560	610	1100	740	530
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	56	130	250	250	17
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	27.9	67.3	125	127	8.29
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.5	1.3	1.1	1.7	1.6

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	0.22	0.37	0.14	0.12	0.08
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.1	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.35	1.1	0.28	0.33	0.27
Pyrene	mg/kg	0.05	MCERTS	0.33	1.1	0.25	0.31	0.25
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.12	0.61	0.11	0.17	0.12
Chrysene	mg/kg	0.05	MCERTS	0.19	0.65	0.12	0.21	0.14
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.25	0.84	0.11	0.27	0.22
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.1	0.3	0.06	0.1	0.09
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.18	0.75	0.1	0.22	0.16
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.1	0.39	< 0.05	0.13	0.11
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.11	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.12	0.43	0.06	0.12	0.11

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.95	6.79	1.22	1.98	1.55
-----------------------------	-------	-----	-----------	------	------	------	------	------

Analytical Report Number: 26-001973
Project / Site name: Blackstone Lane, Henfield
Your Order No: 15886

Lab Sample Number	802403				802404	802405	802406	802407
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	15/01/2026				15/01/2026	15/01/2026	15/01/2026	15/01/2026
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	3.1	12	2.5	11	13
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.22	0.71	0.17	0.66	0.73
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.7	0.5	0.4	0.4
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	7.5	27	4.7	26	30
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7.5	27	4.7	26	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	27	8.1	18	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.2	34	5	18	22
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	5.1	12	3.8	9.9	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	9.8	45	7.4	49	54
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	38	65	25	44	63

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	12
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	17
--	-------	----	------	------	------	------	------	----

Petroleum Range Organics (EC6 - EC10) _{HS_1D_TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	17

Analytical Report Number: 26-001973
 Project / Site name: Blackstone Lane, Henfield
 Your Order No: 15886

Lab Sample Number	802403	802404	802405	802406	802407
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	15/01/2026	15/01/2026	15/01/2026	15/01/2026	15/01/2026
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 : 26-001973

Project / Site name: Blackstone Lane, Henfield

* 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 *
802403	1	None Supplied	0.1	Beige clay and sand with vegetation and chalk
802404	2	None Supplied	0.1	Brown clay and loam with chalk and vegetation
802405	3	None Supplied	0.1	Beige sandy loam with gravel and chalk
802406	4	None Supplied	0.1	Brown loam and clay with gravel and vegetation
802407	5	None Supplied	0.1	Brown loam and clay with gravel and vegetation

Analytical Report Number : 26-001973

Project / Site name: Blackstone Lane, Henfield

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 SO ₄ 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
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

Analytical Report Number : 26-001973

Project / Site name: Blackstone Lane, Henfield

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
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 30oC.

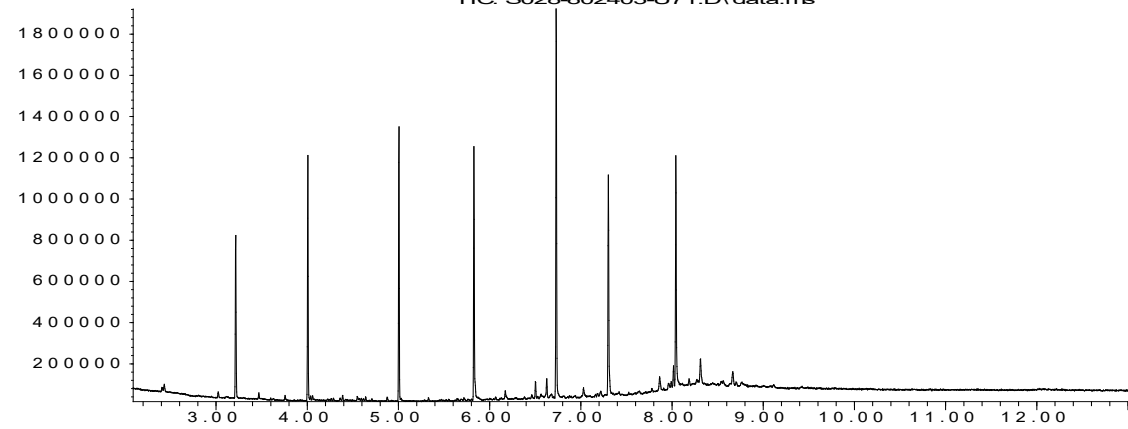
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

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

The result for sum should be interpreted with caution

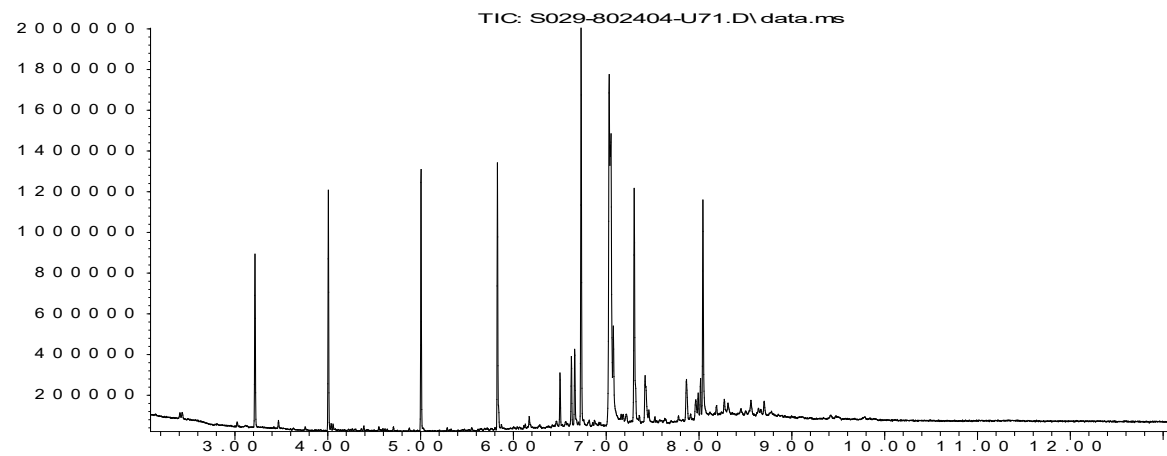
Abundance

TIC: S028-802403-U71.D\data.ms



Time-->

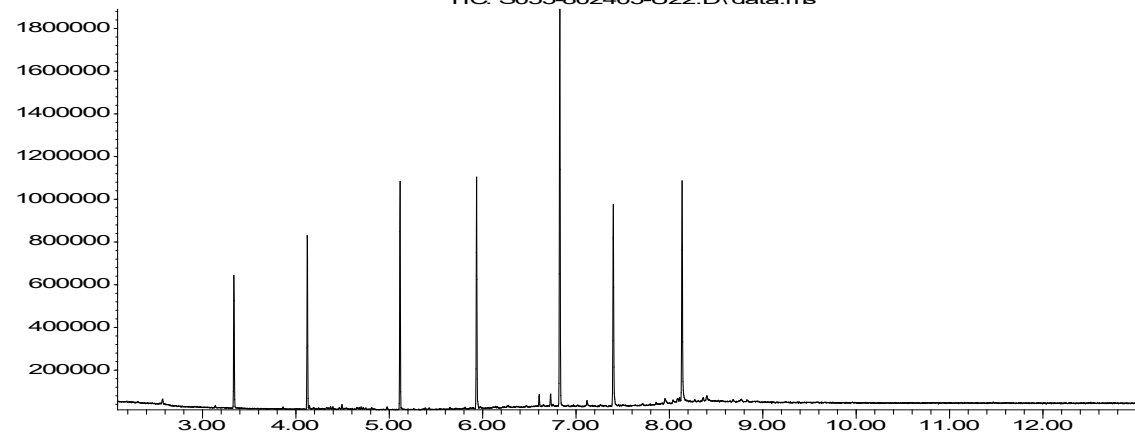
Abundance



Time -->

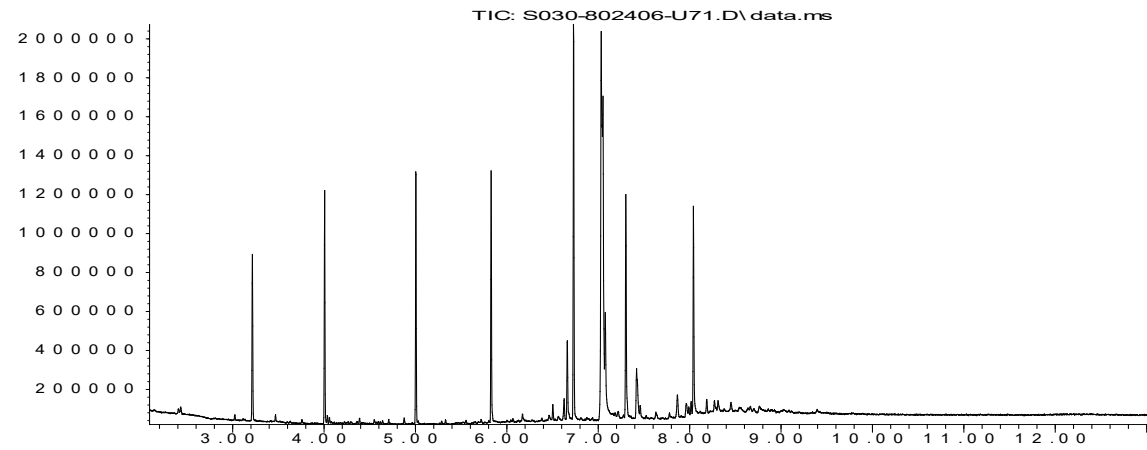
Abundance

TIC: S055-802405-U22.D\data.ms



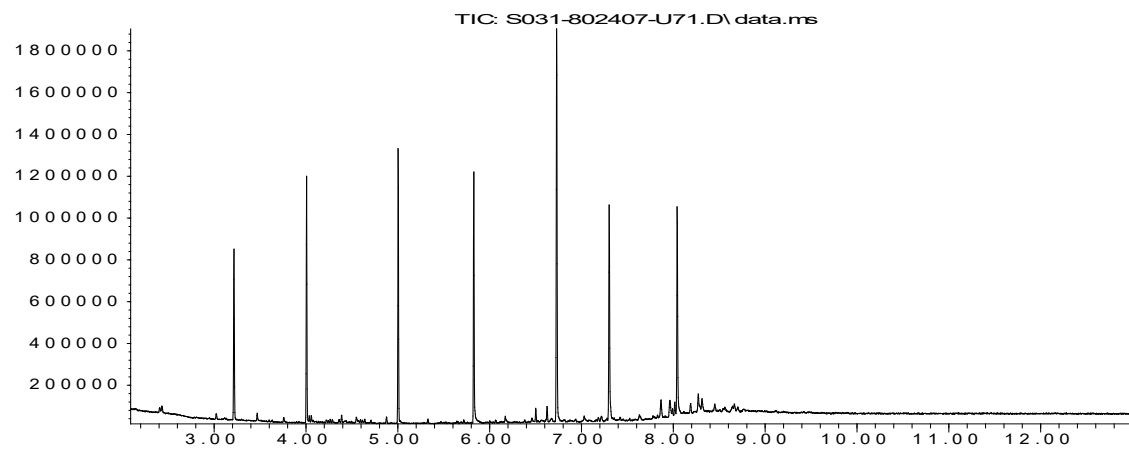
Time-->

Abundance



Time-->

Abundance



Time-->

SUMMARY TABLE OF RESULTS



Sample Reference			1	2	3	4	5	S4UL/C4SUL GAC Residential with home-grown produce (1% SOM)
Depth (m)			0.10	0.10	0.10	0.10	0.10	
Date Sampled			15/01/2026	15/01/2026	15/01/2026	15/01/2026	15/01/2026	
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection						
Asbestos in Soil Detected/Not Detected	Type	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	
pH	pH Units	N/A	8.3	7.9	8.2	6.9	7.8	
Total Organic Carbon (TOC)	%	0.1	0.5	1.3	1.1	1.7	1.6	

Speciated PAHs

Naphthalene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.3
Acenaphthylene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	210
Acenaphthene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	170
Fluorene	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	170
Phenanthrene	mg/kg	0.05	0.22	0.37	0.14	0.12	0.08	95
Anthracene	mg/kg	0.05	< 0.05	0.1	< 0.05	< 0.05	< 0.05	2400
Fluoranthene	mg/kg	0.05	0.35	1.1	0.28	0.33	0.27	280
Pyrene	mg/kg	0.05	0.33	1.1	0.25	0.31	0.25	620
Benzo(a)anthracene	mg/kg	0.05	0.12	0.61	0.11	0.17	0.12	7.2
Chrysene	mg/kg	0.05	0.19	0.65	0.12	0.21	0.14	15
Benzo(b)fluoranthene	mg/kg	0.05	0.25	0.84	0.11	0.27	0.22	2.6
Benzo(k)fluoranthene	mg/kg	0.05	0.1	0.3	0.06	0.1	0.09	77
Benzo(a)pyrene	mg/kg	0.05	0.18	0.75	0.1	0.22	0.16	2.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	0.1	0.39	< 0.05	0.13	0.11	27
Dibenz(a,h)anthracene	mg/kg	0.05	< 0.05	0.11	< 0.05	< 0.05	< 0.05	0.24
Benzo(ghi)perylene	mg/kg	0.05	0.12	0.43	0.06	0.12	0.11	320
Speciated Total EPA-16 PAHs	mg/kg	0.8	1.95	6.79	1.22	1.98	1.55	-

Heavy Metals / Metalloids

Arsenic	mg/kg	1	3.1	12	2.5	11	13	37
Beryllium	mg/kg	0.06	0.22	0.71	0.17	0.66	0.73	1.7
Boron (water soluble)	mg/kg	0.2	0.4	0.7	0.5	0.4	0.4	290
Cadmium	mg/kg	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	6
Chromium	mg/kg	1	7.5	27	4.7	26	30	910
Copper	mg/kg	1	15	27	8.1	18	27	2400
Lead	mg/kg	1	6.2	34	5	18	22	200
Mercury	mg/kg	0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	11
Nickel	mg/kg	1	5.1	12	3.8	9.9	12	130
Selenium	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	250
Vanadium	mg/kg	1	9.8	45	7.4	49	54	410
Zinc	mg/kg	1	38	65	25	44	63	3700

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	42
TPHCWG - Aliphatic >EC6 - EC8	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	100
TPHCWG - Aliphatic >EC8 - EC10 _{HS, 1D, AL}	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	27
TPHCWG - Aliphatic >EC10 - EC12 _{EH, CU, 1D, AL}	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	130(48)
TPHCWG - Aliphatic >EC12 - EC16 _{EH, CU, 1D, AL}	mg/kg	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1100 (24)
TPHCWG - Aliphatic >EC16 - EC21 _{EH, CU, 1D, AL}	mg/kg	8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	65000
TPHCWG - Aliphatic >EC21 - EC35 _{EH, CU, 1D, AL}	mg/kg	8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	65000
TPHCWG - Aliphatic >EC35 - EC44 _{EH, CU, 1D, AL}	mg/kg	8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	65000
TPHCWG - Aromatic >EC5 - EC7	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	70
TPHCWG - Aromatic >EC7 - EC8	mg/kg	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	130
TPHCWG - Aromatic >EC8 - EC10	mg/kg	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	34
TPHCWG - Aromatic >EC10 - EC12	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	74
TPHCWG - Aromatic >EC12 - EC16	mg/kg	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	140
TPHCWG - Aromatic >EC16 - EC21	mg/kg	10	< 10	< 10	< 10	< 10	< 10	260
TPHCWG - Aromatic >EC21 - EC35	mg/kg	10	< 10	< 10	< 10	< 10	< 10	1100
TPHCWG - Aromatic >EC35 - EC44	mg/kg	8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	1100

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Benzene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Toluene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Ethylbenzene	µg/kg	5	< 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	
o-Xylene	µg/kg	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	

*Copyright LQM Limited reproduced with permission; Publication Number S4UL3073. All rights reserved" 2014

* 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)



MO1VD-0E6YA-YY56

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

Report is invalid if pages are removed.

Job name

26-001973_HWOL

Description/Comments

Project

26/13263/A/GO

Site

Blackstone Road, Henfield

Classified by

Name: **George Owens**
 Date: **28 Jan 2026 13:52 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
 Hazardous Waste Classification

Date

Purpose of classification

2 - Material Characterisation

Address of the waste

Elms Barn, Blackstone, Henfield

Post Code bn5 9ta

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Conversion of existing barn

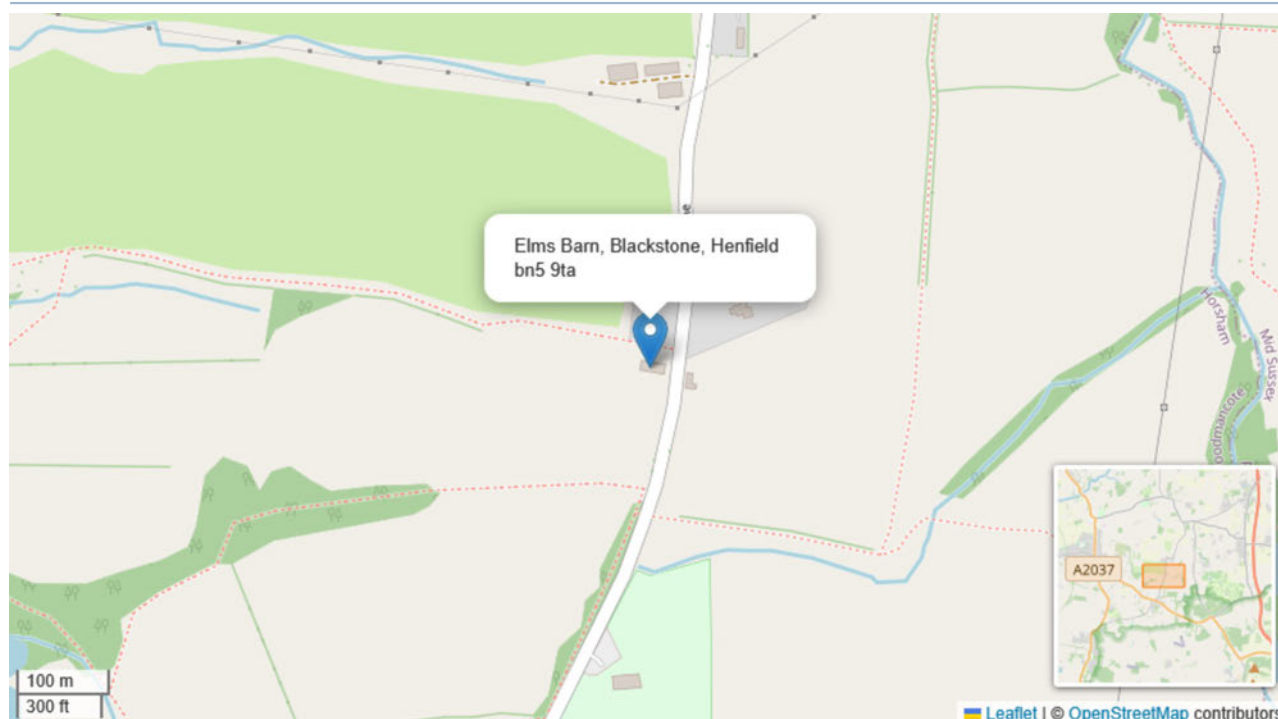
Description of the specific process, sub-process and/or activity that created the waste

waste created during excavation of floor slab

Description of the waste

made ground, sandy clay

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	1--15012026-0.10		Non Hazardous		3
2	2--15012026-0.10		Non Hazardous		5
3	3--15012026-0.10		Non Hazardous		7
4	4--15012026-0.10		Non Hazardous		9
5	5--15012026-0.10		Non Hazardous		11

Related documents

#	Name	Description
1	26-001973_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: 28 Jan 2026 13:52 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	14
Appendix B: Rationale for selection of metal species	15
Appendix C: Version	16

Classification of sample: 1--15012026-0.10

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

Sample details

Sample name:	LoW Code:
1--15012026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
5.7%	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: 5.7% 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	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				3.1	mg/kg	1.895	5.538	mg/kg	0.000554 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.22	mg/kg	8.868	1.84	mg/kg	0.000184 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.4	mg/kg	5.719	2.157	mg/kg	0.000216 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	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									
5	chromium in Cr(III) compounds { chromium(III) oxide }				7.5	mg/kg	1.462	10.337	mg/kg	0.00103 %	✓	
		215-160-9	1308-38-9									
6	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											
7	copper { copper sulphate pentahydrate }				15	mg/kg	3.929	55.576	mg/kg	0.00556 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
8	lead { lead chromate }			1	6.2	mg/kg	1.56	9.12	mg/kg	0.000585 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	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									
10	nickel { nickel dibromate }				5.1	mg/kg	5.358	25.77	mg/kg	0.00258 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				9.8	mg/kg	1.785	16.498	mg/kg	0.00165 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				38	mg/kg	2.774	99.409	mg/kg	0.00994 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				☒							
			TPH_CONFIRM									

#	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								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	pH PH				8.3 pH		8.3 pH	8.3 pH			
22	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	phenanthrene 201-581-5	85-01-8			0.22 mg/kg		0.207 mg/kg	0.0000207 %	✓		
27	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	fluoranthene 205-912-4	206-44-0			0.35 mg/kg		0.33 mg/kg	0.000033 %	✓		
29	pyrene 204-927-3	129-00-0			0.33 mg/kg		0.311 mg/kg	0.0000311 %	✓		
30	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.12 mg/kg		0.113 mg/kg	0.0000113 %	✓		
31	chrysene 601-048-00-0	205-923-4	218-01-9		0.19 mg/kg		0.179 mg/kg	0.0000179 %	✓		
32	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.25 mg/kg		0.236 mg/kg	0.0000236 %	✓		
33	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.1 mg/kg		0.0943 mg/kg	0.00000943 %	✓		
34	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.18 mg/kg		0.17 mg/kg	0.000017 %	✓		
35	indeno[123-cd]pyrene 205-893-2	193-39-5			0.1 mg/kg		0.0943 mg/kg	0.00000943 %	✓		
36	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	benzo[ghi]perylene 205-883-8	191-24-2			0.12 mg/kg		0.113 mg/kg	0.0000113 %	✓		
Total:									0.0225 %		

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: 2--15012026-0.10

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

Sample details

Sample name:	LoW Code:
2--15012026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
16%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				12	mg/kg	1.895	19.097	mg/kg	0.00191 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.71	mg/kg	8.868	5.289	mg/kg	0.000529 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.7	mg/kg	5.719	3.363	mg/kg	0.000336 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	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									
5	chromium in Cr(III) compounds { chromium(III) oxide }				27	mg/kg	1.462	33.148	mg/kg	0.00331 %	✓	
		215-160-9	1308-38-9									
6	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											
7	copper { copper sulphate pentahydrate }				27	mg/kg	3.929	89.111	mg/kg	0.00891 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
8	lead { lead chromate }			1	34	mg/kg	1.56	44.548	mg/kg	0.00286 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	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									
10	nickel { nickel dibromate }				12	mg/kg	5.358	54.012	mg/kg	0.0054 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				45	mg/kg	1.785	67.48	mg/kg	0.00675 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				65	mg/kg	2.774	151.468	mg/kg	0.0151 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				☒							
			TPH_CONFIRM									

#	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								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	pH PH				7.9 pH		7.9 pH	7.9 pH			
22	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	phenanthrene 201-581-5	85-01-8			0.37 mg/kg		0.311 mg/kg	0.0000311 %	✓		
27	anthracene 204-371-1	120-12-7			0.1 mg/kg		0.084 mg/kg	0.0000084 %	✓		
28	fluoranthene 205-912-4	206-44-0			1.1 mg/kg		0.924 mg/kg	0.0000924 %	✓		
29	pyrene 204-927-3	129-00-0			1.1 mg/kg		0.924 mg/kg	0.0000924 %	✓		
30	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.61 mg/kg		0.512 mg/kg	0.0000512 %	✓		
31	chrysene 601-048-00-0	205-923-4	218-01-9		0.65 mg/kg		0.546 mg/kg	0.0000546 %	✓		
32	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.84 mg/kg		0.706 mg/kg	0.0000706 %	✓		
33	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.3 mg/kg		0.252 mg/kg	0.0000252 %	✓		
34	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.75 mg/kg		0.63 mg/kg	0.000063 %	✓		
35	indeno[123-cd]pyrene 205-893-2	193-39-5			0.39 mg/kg		0.328 mg/kg	0.0000328 %	✓		
36	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.11 mg/kg		0.0924 mg/kg	0.00000924 %	✓		
37	benzo[ghi]perylene 205-883-8	191-24-2			0.43 mg/kg		0.361 mg/kg	0.0000361 %	✓		
Total:									0.0457 %		

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--15012026-0.10

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

Sample details

Sample name:	LoW Code:
3--15012026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
12%	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: 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	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				2.5	mg/kg	1.895	4.168	mg/kg	0.000417 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.17	mg/kg	8.868	1.327	mg/kg	0.000133 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.5	mg/kg	5.719	2.516	mg/kg	0.000252 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	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									
5	chromium in Cr(III) compounds { chromium(III) oxide }				4.7	mg/kg	1.462	6.045	mg/kg	0.000604 %	✓	
		215-160-9	1308-38-9									
6	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											
7	copper { copper sulphate pentahydrate }				8.1	mg/kg	3.929	28.006	mg/kg	0.0028 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
8	lead { lead chromate }			1	5	mg/kg	1.56	6.863	mg/kg	0.00044 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	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									
10	nickel { nickel dibromate }				3.8	mg/kg	5.358	17.918	mg/kg	0.00179 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				7.4	mg/kg	1.785	11.625	mg/kg	0.00116 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				25	mg/kg	2.774	61.031	mg/kg	0.0061 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				☒							
			TPH_CONFIRM									

#	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							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	pH		PH		8.2 pH		8.2 pH	8.2 pH		
22	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	phenanthrene 201-581-5	85-01-8			0.14 mg/kg		0.123 mg/kg	0.0000123 %	✓	
27	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	fluoranthene 205-912-4	206-44-0			0.28 mg/kg		0.246 mg/kg	0.0000246 %	✓	
29	pyrene 204-927-3	129-00-0			0.25 mg/kg		0.22 mg/kg	0.000022 %	✓	
30	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.11 mg/kg		0.0968 mg/kg	0.00000968 %	✓	
31	chrysene 601-048-00-0	205-923-4	218-01-9		0.12 mg/kg		0.106 mg/kg	0.0000106 %	✓	
32	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.11 mg/kg		0.0968 mg/kg	0.00000968 %	✓	
33	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.06 mg/kg		0.0528 mg/kg	0.00000528 %	✓	
34	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.1 mg/kg		0.088 mg/kg	0.0000088 %	✓	
35	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
36	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
37	benzo[ghi]perylene 205-883-8	191-24-2			0.06 mg/kg		0.0528 mg/kg	0.00000528 %	✓	
Total:								0.0138 %		

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--15012026-0.10

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

Sample details

Sample name:	LoW Code:
4--15012026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
18%	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: 18% 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	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				11	mg/kg	1.895	17.089	mg/kg	0.00171 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.66	mg/kg	8.868	4.799	mg/kg	0.00048 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.4	mg/kg	5.719	1.876	mg/kg	0.000188 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	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									
5	chromium in Cr(III) compounds { chromium(III) oxide }				26	mg/kg	1.462	31.16	mg/kg	0.00312 %	✓	
		215-160-9	1308-38-9									
6	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											
7	copper { copper sulphate pentahydrate }				18	mg/kg	3.929	57.993	mg/kg	0.0058 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
8	lead { lead chromate }			1	18	mg/kg	1.56	23.023	mg/kg	0.00148 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	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									
10	nickel { nickel dibromate }				9.9	mg/kg	5.358	43.499	mg/kg	0.00435 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				49	mg/kg	1.785	71.729	mg/kg	0.00717 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				44	mg/kg	2.774	100.091	mg/kg	0.01 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				☒							
			TPH_CONFIRM									

#	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							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	pH PH				6.9 pH		6.9 pH	6.9 pH		
22	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	phenanthrene 201-581-5	85-01-8			0.12 mg/kg		0.0984 mg/kg	0.00000984 %	✓	
27	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	fluoranthene 205-912-4	206-44-0			0.33 mg/kg		0.271 mg/kg	0.0000271 %	✓	
29	pyrene 204-927-3	129-00-0			0.31 mg/kg		0.254 mg/kg	0.0000254 %	✓	
30	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.17 mg/kg		0.139 mg/kg	0.0000139 %	✓	
31	chrysene 601-048-00-0	205-923-4	218-01-9		0.21 mg/kg		0.172 mg/kg	0.0000172 %	✓	
32	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.27 mg/kg		0.221 mg/kg	0.0000221 %	✓	
33	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.1 mg/kg		0.082 mg/kg	0.0000082 %	✓	
34	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.22 mg/kg		0.18 mg/kg	0.000018 %	✓	
35	indeno[123-cd]pyrene 205-893-2	193-39-5			0.13 mg/kg		0.107 mg/kg	0.0000107 %	✓	
36	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
37	benzo[ghi]perylene 205-883-8	191-24-2			0.12 mg/kg		0.0984 mg/kg	0.00000984 %	✓	
Total:								0.0345 %		

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--15012026-0.10

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

Sample details

Sample name:	LoW Code:
5--15012026-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
17%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				13	mg/kg	1.895	20.442	mg/kg	0.00204 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.73	mg/kg	8.868	5.373	mg/kg	0.000537 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.4	mg/kg	5.719	1.899	mg/kg	0.00019 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	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									
5	chromium in Cr(III) compounds { chromium(III) oxide }				30	mg/kg	1.462	36.393	mg/kg	0.00364 %	✓	
		215-160-9	1308-38-9									
6	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											
7	copper { copper sulphate pentahydrate }				27	mg/kg	3.929	88.05	mg/kg	0.00881 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
8	lead { lead chromate }			1	22	mg/kg	1.56	28.482	mg/kg	0.00183 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	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									
10	nickel { nickel dibromate }				12	mg/kg	5.358	53.369	mg/kg	0.00534 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				54	mg/kg	1.785	80.012	mg/kg	0.008 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				63	mg/kg	2.774	145.06	mg/kg	0.0145 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group				17	mg/kg		14.11	mg/kg	0.00141 %	✓	
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				☒							
			TPH_CONFIRM									

#	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							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	pH PH				7.8 pH		7.8 pH	7.8 pH		
22	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	phenanthrene 201-581-5	85-01-8			0.08 mg/kg		0.0664 mg/kg	0.00000664 %	✓	
27	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	fluoranthene 205-912-4	206-44-0			0.27 mg/kg		0.224 mg/kg	0.0000224 %	✓	
29	pyrene 204-927-3	129-00-0			0.25 mg/kg		0.208 mg/kg	0.0000208 %	✓	
30	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.12 mg/kg		0.0996 mg/kg	0.00000996 %	✓	
31	chrysene 601-048-00-0	205-923-4	218-01-9		0.14 mg/kg		0.116 mg/kg	0.0000116 %	✓	
32	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.22 mg/kg		0.183 mg/kg	0.0000183 %	✓	
33	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.09 mg/kg		0.0747 mg/kg	0.00000747 %	✓	
34	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.16 mg/kg		0.133 mg/kg	0.0000133 %	✓	
35	indeno[123-cd]pyrene 205-893-2	193-39-5			0.11 mg/kg		0.0913 mg/kg	0.00000913 %	✓	
36	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
37	benzo[ghi]perylene 205-883-8	191-24-2			0.11 mg/kg		0.0913 mg/kg	0.00000913 %	✓	
Total:								0.0464 %		

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- too low concentration to be flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00141%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from ECHA's C&L inventory database

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

Data source date: 30 Apr 2020

Hazard Statements: Acute Tox. 4; H302, Skin Sens. 1; H317, Eye Irrit. 2; H319

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

• **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 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

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

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

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

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

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

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

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

Appendix B: Rationale for selection of metal species

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

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

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 works on site

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: 2026.26.6955.12551 (26 Jan 2026)
HazWasteOnline Database: 2026.27.6959.12557 (27 Jan 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