



1 Croft Stairs
Newcastle upon Tyne
NE1 2HG

Ref: 260732.001.CA
29 September 2026

Bowmer and Kirkland
c/o Mr R Laybourne,
KPS,
KPS Huse,
Lumley Court,
Chester le Street
DH2 1AN

Dear Rob,

RE: Post Demolition Contamination Assessment – EFAB Building, St Marys Primary School, Shirley Avenue, Gomersal, BD19 4NA.

1. Background

REL received instruction from Key Property Solutions Ltd on behalf of Bowmer and Kirkland ("**the Client**") to undertake a Post Demolition Contamination Assessment ("**the Services**") at the EFAB Building, St. Mary's Primary School, Shirley Avenue, Gomersal, BD19 4NA ("**the Property**"). Part of the Services included the production of this document ("**the Report**").

2. Purpose of Report

It is understood that there is a planning application, with Kirklees Council (KC), ref: 2026-90937, for "*Redevelopment of school, including demolition of existing buildings; erection of single storey building; external works including provision of hard and soft PE and play spaces; sub-station; associated landscaping; installation of temporary building during construction.*"

REL have previously undertaken a number of phases of investigation across the subject site for differing project aims and outcomes. The following listed report identified the requirement for further works to address residual uncertainties.

- 251009: Letter Report – St Mary's Primary School, Shirley Avenue, Gomersal BD19 4NA.

To clarify, the above report identified that further geo-environmental investigation will be required post-demolition and once the site has been successfully grouted and stabilised. REL has previously identified evidence of suspected coal mine voiding beneath the site.

As such, additional soil sampling was recommended by REL in previously inaccessible locations, primarily beneath the footprint of the existing school building, as well as in and around the proposed development. This includes the EFAB Structure which REL understand is included in the

first phase of such works. This September 2026 REL report therefore, presents the findings of investigations undertaken beneath the EFAB structure ("The Site") following its demolition.

3. Limitations and Constraints

Investigation locations were distributed cognisant of the proposed development, within the areas of the recently demolished EFAB building. Please refer to **Enclosure 1** for an Indicative Investigation Location Plan. Please note: the findings of the DCP testing undertaken on site and as presented within the above-mentioned Indicative Investigation Location Plan, will be presented within a separate stand-alone report. As such, no further mention of the DCP testing has been included in this report.

4. Methodology

The intrusive investigation works undertaken at the site were completed on 24 August 2026 by an REL Engineer and comprised the following:

- 6 No. window sampler boreholes (WS01 – WS06) were progressed across the site to depths of up to 1.80 metres below current ground level (m bcgl);
- Soils encountered were logged to BS 5930:2015+A1:2020; AND
- A total of 6 No. representative soil samples were recovered from the site and placed in sample containers selected specifically for the determinands selected for analysis (See Section 5 for further details). Samples were then placed in cool boxes to aid preservation prior to delivery to the laboratory.

Upon completion of sampling, all boreholes were backfilled to ensure no trip hazard remained.

5. Investigation Findings

Geological Strata

The majority of the exploratory holes (WS01 – WS04 and WS06) were surfaced with Made Ground to depths of between 0.40 – 0.80m bcgl, generally comprising blackish grey sandy gravel, with gravel of angular to subangular engineered stone, plastic and felt membrane identified. WS05 was surface with topsoil comprising grass over silty sandy topsoil to a depth of 0.30m bcgl.

Immediately underlying the Made Ground and topsoil, superficial deposits were encountered generally comprising firm to stiff brown / brownish grey sandy gravelly clay, to depths of between 0.40 and 1.60m bcgl. Bands of coal were identified within WS03 at a depth of 1.60m to 1.80m bcgl, WS04 at a depth of 1.20m to 1.80m bcgl and WS05 at a depth of 0.40m to 1.00m bcgl. All boreholes were terminated upon refusal on suspected bedrock deposits at depth between 1.00m and 1.80m bcgl. A copy of the borehole logs is included within **Enclosure 2**.

Visual and Olfactory Evidence of Contamination

No visual or olfactory evidence of contamination was noted during the ground investigation. Representative samples of the materials encountered have been selected and have undergone appropriate contamination screening at the laboratory with the results discussed below.

Laboratory Testing

4 No. representative samples were collected and submitted to Chemtest Environmental Ltd, a UKAS accredited and MCERTS certified laboratory for a suite of chemical testing which included:

- 4 No. samples for Heavy Metals.
- 4 No. samples for Inorganics including pH and SO₄;
- 4 No. samples for USEPA 16 Polycyclic Aromatic Hydrocarbons (PAH's);
- 4 No. samples for Total Petroleum Hydrocarbons (TPH);
- 2 No. samples for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs); and
- 4 No. samples screened for Asbestos fibres.

In addition to the above, 2 No. soil samples were submitted for leachability testing so that a Controlled Waters risk assessment could be carried out. Analysis carried out was as below:

- 2 No. samples for Heavy Metals.
- 2 No. samples for Inorganics.
- 2 No. samples for USEPA 16 Polycyclic Aromatic Hydrocarbons (PAHs); and
- 2 No. samples for Total Petroleum Hydrocarbons (TPH) Banded.

The results of the laboratory testing undertaken on soil samples are included in **Enclosure 3** (Chemtest reference: 26-26474-1).

Furthermore, 2 No. samples were submitted for Waste Acceptance Criteria (WAC), which, along with data from the above soil testing has been used to complete a preliminary off-site disposal assessment to be undertaken.

Assessment Criteria

➤ Human Health

Following completion of laboratory analysis, the screening results were compared against available authoritative and commercially derived assessment criteria comprising:

- DEFRA Category 4 Screening Levels (2014),
- LQM / CIEH S4ULs (2015),
- Atkins ATRISK^{SOIL} SSVs (2011),
- EIC, AGS, CL: AIRE (Assessment Criteria 2010).

The results of laboratory analysis results have been used to carry out a Level 1: Quantitative Human Health Assessment for the proposed development.

Due to the nature of the proposed development i.e. a school, it is considered reasonable to adopt human health assessment criteria values developed for a Public Open Space (Parks) Land Use Scenario.

The results of soil laboratory analysis have also been used to provide a preliminary waste assessment using Hazwaste Online software. Please see Section 7 for further details.

➤ Controlled Waters

Leachate samples have been assessed against available authoritative assessment criteria including:

- Environmental Quality Standards (EQS).
- Drinking Water Standards (DWS) (2000).

Due to the lack of authoritative assessment criteria values, designed to assess the Controlled Water body subject to this assessment, the leachate samples have been compared against available DWS and EQS values. These assessment criteria were developed for more sensitive receptors, as such, it is the opinion of REL that any assessment of risk would be overly conservative and would likely overstate the actual risk.

The results of the soil and leachate contaminant screening when compared with the chosen threshold values are presented in the REL Chemical Assessment Sheet within **Enclosure 4**.

Laboratory Analysis Results – Soils

The results of the Soil Human Health Assessment are presented below. A copy of the results and REL soil Chemical Assessment Sheet with the chosen threshold values is included in **Enclosure 4**.

Metals

Following completion of laboratory analysis on the 4 No. soil samples recovered from the site **no exceedances** of the chosen human health assessment criteria values have been identified associated with Metals analytes.

Inorganics

Following completion of laboratory analysis on the 4 No. soil samples recovered from the site **no exceedances** of the chosen human health assessment criteria values have been identified associated with Inorganic analytes.

Organics

Following completion of laboratory analysis on the 4 No. soil samples recovered from the site, **no exceedances** of the chosen human health assessment criteria values have been identified associated with Organic analytes.

Asbestos

Following completion of laboratory analysis on the 4 No. soil samples recovered from the site **no Asbestos fibres** have been identified.

6. Laboratory Analysis Results – Leachate

The results of the Controlled Waters Leachate Assessment are presented below. A copy of the results and REL Chemical Assessment Sheet with the chosen assessment criteria values are included in **Enclosure 4**. Where the results are highlighted in blue this indicates that the value is below the limit of detection.

Metals

Following completion of laboratory analysis on the 2 No. leachate samples recovered from the site, **all results fell below the laboratory limit of detection or below the chosen Controlled Waters assessment criteria values**, associated with Metal analytes.

Inorganics

Following completion of laboratory analysis on the 2 No. leachate samples recovered from the site, **all results fell below the laboratory limit of detection or below the chosen Controlled Waters assessment criteria values**, associated with Inorganic analytes.

Organics

Following completion of laboratory analysis on the 2 No. leachate samples recovered from the site, **all results fell below the laboratory limit of detection or below the chosen Controlled Waters assessment criteria values**, associated with Organics analytes.

7. Preliminary Waste Assessment

A Waste Classification assessment has been carried out in accordance with Technical Guidance WM3: Waste Classification and has been assessed using HazWasteOnline™. Four samples were obtained from the site, which are considered to be representative of the Made Ground, and underlying natural deposits on site were subject to Waste Classification using HazWasteOnline Software.

Additionally, 1 No. sample of Made Ground (0.00 – 0.80m bcgl) obtained from WS03 and a sample of the underlying superficial materials from WS01 (0.40 – 1.20m bcgl) which are considered to provide a general representation of the strata present on site, were subjected to WAC testing to inform landfill disposal options.

Based on testing undertaken to date, these samples may be suitable for disposal to a Non-Hazardous landfill without requiring further Waste Acceptance Criteria (WAC) testing, although the specific landfill to which this material is sent may have special requirements.

Following a review of the WAC test certificates for the sample of Made Ground obtained, no exceedances were identified against the Inert Landfill waste acceptance criteria and as such it is considered that these materials may be accepted at an Inert Waste Landfill. For the sample of natural materials obtained, an exceedance of WAC Total C10-C40 was identified against the Inert Landfill waste acceptance criteria, as such this material may not be acceptable at an Inert Waste Landfill. Early consultation should be undertaken with the landfill operator, to confirm, or otherwise acceptance of this material.

Where off-site disposal takes place, additional analysis of waste materials arising during construction may be required to demonstrate that materials intended for disposal are adequately characterised under WM3. The minimum frequency of testing will need to be agreed with individual landfill operators and must meet the requirements of current UK legislation and guidance.

Care should be taken not to mix different soil types particularly where any visually impacted soils are observed. Any materials removed from site should be undertaken in accordance with the Duty of Care Regulations 1991. Copies of the Hazardous Waste Classification reports and WAC test certificates are presented within **Enclosure 5**.

8. Conceptual Model

A conceptual model has been developed taking into consideration information, obtained during site inspections and following completion of the intrusive ground investigation. This information has been used to aid with the identification and partial quantification of contamination sources within the site and to undertake an assessment of potential exposure patterns of current and future site users.

Specific Soil Contamination Sources

The review of current and historical site information as detailed in previous REL Reports indicates that previous site uses are unlikely to have resulted in significant contamination of the underlying strata.

During the investigation works, there was no significant contaminant sources identified with no visual or olfactory evidence of contamination was noted during the intrusive investigation.

The site investigation undertaken by REL has identified no contaminant exceedances when adopting assessment criteria developed for the Public Open Space (Parks) Land Use Scenario.

The leachability analysis recorded no contaminant exceedances when compared against the adopted Controlled Waters assessment criteria.

9. Receptors

The key receptors that have been identified for this site are.

- Current and future site users/trespassers.
- Current and future site properties and associated Services.
- Occupants/users of adjacent properties.
- Adjacent properties.
- Controlled Waters.

10. Pathways

Direct contact or inhalation/ingestion pathways could exist where soft landscaped areas and/or permeable surfacing is proposed at the site.

Mobile contaminants (if present) may have the potential to migrate vertically and laterally via permeable strata to underlying and adjacent Controlled Waters and nearby properties. Where present, contamination may impact foundations and services placed on site via direct contact.

11. Conceptual Model Evaluation

Human Health

The review of current and historical site information indicates that previous site uses are unlikely to have resulted in significant contamination of the underlying strata. However, the potential for residual contamination was highlighted due to historic site and surrounding land uses.

No visual or olfactory evidence of deleterious materials were noted during the intrusive investigation, and no Human Health contaminant exceedances were recorded.

Access to the site is restricted, as such exposure to site soils is currently limited. During future ground works, workers must be subject to a suitable and sufficient risk assessment and be provided with and make use of appropriate PPE.

Should evidence of significant unanticipated contamination be identified during groundworks, advice should be sought from a suitably qualified consultant.

It is understood that the site will be redeveloped and will be situated beneath the proposed school footprint, as part of the development of the wider site.

Taking the above into consideration, an unacceptable risk to Human Health has not been identified.

Controlled Waters

The nearest surface water feature is approximately noted 3m to the northwest of the site. There are no groundwater Source Protection Zones within 1 km of the site and the bedrock comprising the Pennine Lower Coal Measures is designated as a Secondary (A) Aquifer. Groundwater within the coal measures is typically of poorer quality and is unlikely to be abstracted as a potable water supply.

No visual or olfactory evidence of contamination was noted during the intrusive investigation. Based on soil leachate screening undertaken no contaminant exceedances were recorded with regard Controlled Waters assessment criteria

Therefore, based on the above and when considering the lack of sensitive Controlled Waters within a plausible migration distance from the site, there is not considered to be a significant potential risk to Controlled Waters.

Property (including adjacent properties and vegetation)

No significant concentrations of potentially leachable or phytotoxic contaminants have been recorded in soil samples submitted for analysis. No evidence of vegetation stress was noted during the site inspection or intrusive works on site or in adjacent areas. The results of laboratory analysis presented within this report can be used to support future concrete specification.

Reuse and of Soils

Care should be taken not to mix different soil types particularly where any visually impacted soils are observed. Any materials removed from site should be undertaken in accordance with the Duty of Care Regulations 1991.

The mechanism of which soils can be reused on the site was complying with UK waste law and a duty of care would need to be determined and implemented prior to the commencement of work. Possible options may include Waste Exemptions, Material Management Plans and for naturally derived site won materials an exclusion under the Waste Framework Directive.

12. Conclusions

The site is to be redeveloped for a school use and this report has been produced to allow for the suitability of shallow soils in areas of the site to be determined with greater confidence.

Based on the findings of this report, no significant and/or unacceptable levels of contaminants have been recorded in either soil or leachate samples subject to laboratory analysis.

The following risk rating and viability statement is considered appropriate.

Environmental Risk Rating

The results of the geo-environmental site investigation and risk assessment indicate that **a significant source – pathway – receptor pollutant linkage does not exist at this site** with respect to soil contamination.

It is concluded that the environmental risk arising from the ground conditions at the subject site will be **LOW**.

Development Viability Statement

We have not identified any material environmental risks that would affect the future occupation and redevelopment for the proposed use of the property. **As such, the site is considered suitable for its current and proposed usage as a school.**

We trust that these comments and attachments are to your satisfaction and if you require any further information or clarification, please do not hesitate to contact us.

Yours sincerely,

Author

Reviewer

Emily Broughton BSc (Hons) MSc MEnvSc M.I. Soil Sci.

**Associate Director and Technical Operations
For and on behalf of Roberts Environmental Ltd
Tel: 0191 230 4521**

Andrew Cuthbert BSc (Hons) MSc MIEMA CEnv

**Associate Director
For and on behalf of Roberts Environmental Ltd
Tel: 0191 230 4521**

Enclosures:

Enclosure 1 Indicative Borehole Location Plan.

Enclosure 2 Borehole Logs.

Enclosure 3 Chemical Testing Results

Enclosure 4 REL Chemical Assessment Sheet.

Enclosure 5 HazWasteOnline™ Summary Sheets.

Enclosure 1



Legend

- Site Boundary
- Borehole locations

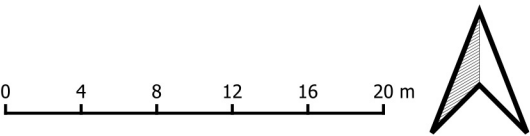
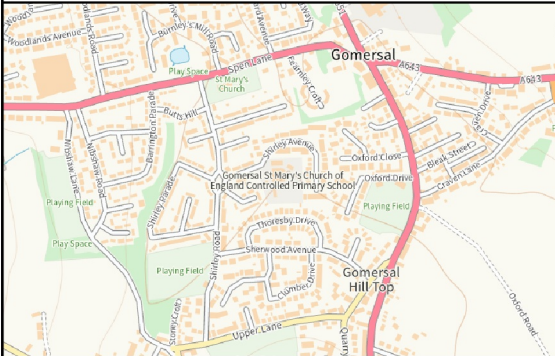


Figure Indicative Exploratory Location Plan		
Job Gomersal Post Demolition SI		
Client KPS		
Figure No. 1	Revision 1	Date 29 September 2026
Drawn by CD	Checked by EB	Scale 1:400
Job No. 260732		



DO NOT SCALE. NOT FOR CONSTRUCTION

Microsoft product screen shot reprinted with permission from Microsoft Corporation. Microsoft Bing logo © Microsoft Corporation 2026.



Enclosure 2

Key to exploratory hole symbols and abbreviations

SAMPLE TYPES

ACM - Asbestos sample
BLK - Block sample
D - Disturbed sample
G - Gas sample
TW - Pushed thin wall sample
W - Water sample

AMAL - Amalgamated sample
C - Core sample
ES - Environmental sample
J - Jar sample
U - Undisturbed sample
T - Tub sample

B - Bulk disturbed sample
CBR - CBR test sample
EW - Environmental water sample
L - Liner sample
UT - Undisturbed thin wall sample
JT - Jar and Tub sample

IN-SITU TESTS

HV - Hand shear vane
PP - Hand penetrometer

HV(r) - Hand shear vane residual
SPT - Standard penetration test

PID - Photo ionisation detector
SPT(C) - SPT using cone

GROUNDWATER



Groundwater strike



Groundwater rest level

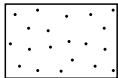
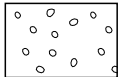
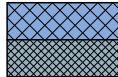
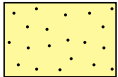
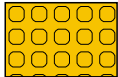
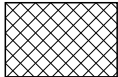
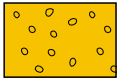
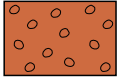
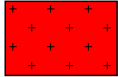
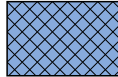
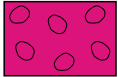
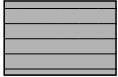
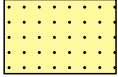
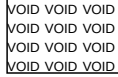
ROTARY CORE DETAILS

TCR - Total core recovery (%)
FI - Fracture index

SCR - Solid core recovery (%)
NI - Non-intact core

RQD - Rock quality designation (%)
AZCL - Assumed zone of core loss

LEGEND

	Topsoil		Clay		Chalk		Sand backfill
	Peat		Silt		Breccia		Gravel backfill
	Made ground [cohesive]		Sand		Conglomerate		Arising
	Concrete		Gravel		Metamorphic		Bentonite
	Wood		Cobbles		Igneous		Concrete
	Brick		Boulders				Grout
	Bituminous material		Mudstone				Plain pipe
	Gypsum		Siltstone				
	Coal		Sandstone				Slotted pipe
	Void		Limestone				



Dynamic (Windowless) Sampler

WS3
Sheet 1 of 1

Hole Type WLS	Easting 420787.00	Northing 425731.00	Ground Level (m)	Scale 1:10
Project Name Gomersal Post Demolition SI	Project No. 260732	Start Date 2026-08-24	End Date 2026-08-24	

Client KPS	Consultant C Dean	Contractor Boreworx
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.00-0.80	ES					MADE GROUND <i>Blackish grey sandy GRAVEL. Sand is fine to coarse. Gravel is angular to subangular of fine to coarse engineered stone, waste plastics and fragments of felt membrane. (0.00 - 0.80m)</i>
						(0.80)		
						0.80		Sandy CLAY <i>Stiff brown sandy CLAY. Sand is fine. (0.80 - 1.60m)</i>
		1.00	SPT(C)	N=9 (2,2/2,3,2,2) N60=10				
						(0.80)		
						1.60		COAL <i>Coal recovered as black GRAVEL. Gravel is angular to subangular of fine to coarse coal. (1.60 - 1.80m)</i>
		1.80	SPT(C)	N=50 for 190mm (12,13 for 65mm/18,19,13 for 40mm) N60=55				
						(0.20)		
						1.80		End of Borehole at 1.80m

Remarks 1. Logged in general accordance with BS5930:2015+A1:2020. 2. Borehole location utility cleared prior to excavation. 3. Borehole terminated due to refusal on suspected shallow bedrock. 4. Borehole backfilled with arisings.	Method, Plant, Stability, Dimensions 0.00 - 1.80m WLS	Logger CD
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Enclosure 3



Final Report

Report No.: 26-26474-1

Initial Date of Issue: 28-Sep-2026

Re-Issue Details:

Client *Roberts Environmental Limited*

Client Address: *1 Croft Stairs
Newcastle Upon Tyne
Tyne & Wear
NE1 2HG*

Contact(s): *Emily Broughton*

Project *260732 Gommersal St Marys Cofe
Primary School*

Quotation No.: Q26-41200

Date Received: 27-Aug-2026

Order No.:

Date Instructed: 27-Aug-2026

No. of Samples: 6

Turnaround (Wkdays): 19

Results Due: 23-Sep-2026

Date Approved: 25-Sep-2026

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: 260732 Gommersal St Marys Cofe Primary School

Client: Roberts Environmental Limited	Chemtest Job No.:					26-26474	26-26474
Quotation No.: Q26-41200	Chemtest Sample ID.:					2152542	2152545
	<i>Client Reference:</i>					WS2	WS4
	<i>Sample Type:</i>					SOIL	SOIL
	<i>Top Depth (m):</i>					0.0	0.0
	<i>Bottom Depth (m):</i>					0.5	0.4
	<i>Date Sampled:</i>					24-Aug-2026	24-Aug-2026
Determinand	Accred.	SOP	Type	Units	LOD		
pH at 20C	U	1010	10:1		4.0	6.7	6.3
Sulphate	U	1220	10:1	mg/l	1.0	7.9	11
Cyanide (Free)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1455	10:1	µg/l	0.20	0.25	0.38
Boron (Dissolved)	U	1455	10:1	µg/l	10.0	55	39
Cadmium (Dissolved)	U	1455	10:1	µg/l	0.11	< 0.11	< 0.11
Copper (Dissolved)	U	1455	10:1	µg/l	0.50	3.8	4.4
Mercury (Dissolved)	U	1455	10:1	µg/l	0.05	< 0.05	< 0.05
Nickel (Dissolved)	U	1455	10:1	µg/l	0.50	0.52	1.4
Lead (Dissolved)	U	1455	10:1	µg/l	0.50	5.9	2.0
Selenium (Dissolved)	U	1455	10:1	µg/l	0.50	< 0.50	< 0.50
Zinc (Dissolved)	U	1455	10:1	µg/l	2.5	5.1	6.9
Chromium (Total)	N	1455	10:1	µg/l	0.50	< 0.50	< 0.50
TPH >C10-C12	N	1670	10:1	µg/l	20.00	< 20	< 20
TPH >C12-C16	N	1670	10:1	µg/l	20.00	< 20	< 20
TPH >C16-C21	N	1670	10:1	µg/l	20.00	< 20	< 20
TPH >C21-C35	N	1670	10:1	µg/l	20.00	< 20	< 20
Total TPH >C10-C44	N	1670	10:1	µg/l	100	< 100	< 100
Naphthalene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Acenaphthylene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Acenaphthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Fluorene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Phenanthrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Anthracene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Fluoranthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Pyrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Chrysene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1800	10:1	µg/l	2.0	< 2.0	< 2.0

Results - Soil

Project: 260732 Gommersal St Marys Cofe Primary School

Client: Roberts Environmental Limited		Chemtest Job No.:					26-26474	26-26474	26-26474	26-26474	26-26474	26-26474
Quotation No.: Q26-41200		Chemtest Sample ID.:					2152540	2152541	2152542	2152543	2152544	2152545
		Client Reference:					WS1 WAC	WS1	WS2	WS3 WAC	WS3	WS4
		Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):					0.4	0.4	0.0	0.0	0.0	0.0
		Bottom Depth (m):					1.2	1.2	0.5	0.8	0.8	0.4
		Date Sampled:					24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026
		Asbestos Lab:						DURHAM	DURHAM		DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
Arsenic		M	2455	mg/kg	0.5			51	26		18	35
Cadmium		M	2455	mg/kg	0.10			0.40	0.28		0.33	0.47
Chromium		M	2455	mg/kg	0.5			28	20		23	26
Chromium (Trivalent)		N	2490	mg/kg	1.0			28	20		23	26
Chromium (Hexavalent)		N	2490	mg/kg	0.50			< 0.50	< 0.50		< 0.50	< 0.50
Copper		M	2455	mg/kg	0.50			75	37		34	61
Lead		M	2455	mg/kg	0.50			230	86		48	110
Mercury		M	2455	mg/kg	0.05			0.29	0.11		0.10	0.18
Nickel		M	2455	mg/kg	0.50			27	21		27	34
Selenium		M	2455	mg/kg	0.25			1.5	1.2		1.3	1.5
Zinc		M	2455	mg/kg	0.50			170	84		110	140
ACM Type		N	2192		N/A			-	-		-	-
Asbestos Identification		U	2192		N/A			No Asbestos Detected	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected
Moisture		M	2030	%	0.02	16		18	15	19	19	15
Soil Colour		M	2030		N/A			Brown			Brown	
Other Material		M	2030		N/A			Stones, Roots and concrete			Stones and Roots	
Soil Texture		M	2030		N/A			Clay			Clay	
Chromatogram SP		N			N/A			See Attached	See Attached		See Attached	See Attached
Chromatogram (TPH)	EH 2D Total #1	N			N/A			See Attached	See Attached		See Attached	See Attached
pH at 20C		M	2010		4.0			7.2	6.8		6.7	6.2
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010			0.068	0.036		0.12	0.11
Cyanide (Free)		M	2300	mg/kg	0.50			< 0.50	< 0.50		< 0.50	< 0.50
Organic Matter		M	2625	%	0.40			7.5	8.8		9.1	15
Total Organic Carbon		M	2625	%	0.20			4.3	5.1		5.3	8.4
Total TPH >C10-C40 NC	EH 1D Total	M	5001	mg/kg	10.0			740	200		72	26
Dichlorodifluoromethane		N	2760	µg/kg	1.0			< 1.0			< 1.0	
Chloromethane		M	2760	µg/kg	1.0			< 1.0			< 1.0	
Vinyl Chloride		M	2760	µg/kg	1.0			< 1.0			< 1.0	
Bromomethane		M	2760	µg/kg	20			< 20			< 20	
Chloroethane		U	2760	µg/kg	2.0			< 2.0			< 2.0	
Trichlorofluoromethane		N	2760	µg/kg	1.0			< 1.0			< 1.0	
1,1-Dichloroethene		M	2760	µg/kg	1.0			< 1.0			< 1.0	
Trans 1,2-Dichloroethene		M	2760	µg/kg	1.0			< 1.0			< 1.0	
1,1-Dichloroethane		M	2760	µg/kg	1.0			< 1.0			< 1.0	
cis 1,2-Dichloroethene		M	2760	µg/kg	1.0			< 1.0			< 1.0	
Bromochloromethane		U	2760	µg/kg	5.0			< 5.0			< 5.0	
Trichloromethane		M	2760	µg/kg	1.0			< 1.0			< 1.0	
1,1,1-Trichloroethane		M	2760	µg/kg	1.0			< 1.0			< 1.0	
Tetrachloromethane		M	2760	µg/kg	1.0			< 1.0			< 1.0	

Results - Soil

Project: 260732 Gommersal St Marys Cofe Primary School

Client: Roberts Environmental Limited		Chemtest Job No.:		26-26474	26-26474	26-26474	26-26474	26-26474	26-26474
Quotation No.: Q26-41200		Chemtest Sample ID.:		2152540	2152541	2152542	2152543	2152544	2152545
		Client Reference:		WS1 WAC	WS1	WS2	WS3 WAC	WS3	WS4
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.4	0.4	0.0	0.0	0.0	0.0
		Bottom Depth (m):		1.2	1.2	0.5	0.8	0.8	0.4
		Date Sampled:		24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026
		Asbestos Lab:			DURHAM	DURHAM		DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
1,1-Dichloropropene		U	2760	µg/kg	1.0		< 1.0		< 1.0
Benzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dichloroethane		M	2760	µg/kg	2.0		< 2.0		< 2.0
Trichloroethene		N	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dichloropropane		M	2760	µg/kg	1.0		< 1.0		< 1.0
Dibromomethane		M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromodichloromethane		M	2760	µg/kg	5.0		< 5.0		< 5.0
cis-1,3-Dichloropropene		N	2760	µg/kg	10		< 10		< 10
Toluene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Trans-1,3-Dichloropropene		N	2760	µg/kg	10		< 10		< 10
1,1,2-Trichloroethane		M	2760	µg/kg	10		< 10		< 10
Tetrachloroethene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,3-Dichloropropane		U	2760	µg/kg	2.0		< 2.0		< 2.0
Dibromochloromethane		U	2760	µg/kg	10		< 10		< 10
1,2-Dibromoethane		M	2760	µg/kg	5.0		< 5.0		< 5.0
Chlorobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,1,1,2-Tetrachloroethane		M	2760	µg/kg	2.0		< 2.0		< 2.0
Ethylbenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
m & p-Xylene		M	2760	µg/kg	1.0		< 1.0		< 1.0
o-Xylene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Styrene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Tribromomethane		U	2760	µg/kg	1.0		< 1.0		< 1.0
Isopropylbenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,3-Trichloropropane		N	2760	µg/kg	50		< 50		< 50
N-Propylbenzene		U	2760	µg/kg	1.0		< 1.0		< 1.0
2-Chlorotoluene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,3,5-Trimethylbenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
4-Chlorotoluene		U	2760	µg/kg	1.0		< 1.0		< 1.0
Tert-Butylbenzene		U	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,4-Trimethylbenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Sec-Butylbenzene		U	2760	µg/kg	1.0		< 1.0		< 1.0
1,3-Dichlorobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
4-Isopropyltoluene		U	2760	µg/kg	1.0		< 1.0		< 1.0
1,4-Dichlorobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
N-Butylbenzene		U	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dichlorobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dibromo-3-Chloropropane		N	2760	µg/kg	50		< 50		< 50
1,2,4-Trichlorobenzene		M	2760	µg/kg	1.0		< 1.0		< 1.0
Hexachlorobutadiene		N	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,3-Trichlorobenzene		U	2760	µg/kg	2.0		< 2.0		< 2.0

Results - Soil

Project: 260732 Gommersal St Marys Cofe Primary School

Client: Roberts Environmental Limited		Chemtest Job No.:					26-26474	26-26474	26-26474	26-26474	26-26474	26-26474
Quotation No.: Q26-41200		Chemtest Sample ID.:					2152540	2152541	2152542	2152543	2152544	2152545
		Client Reference:					WS1 WAC	WS1	WS2	WS3 WAC	WS3	WS4
		Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):					0.4	0.4	0.0	0.0	0.0	0.0
		Bottom Depth (m):					1.2	1.2	0.5	0.8	0.8	0.4
		Date Sampled:					24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026
		Asbestos Lab:						DURHAM	DURHAM		DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0			< 1.0			< 1.0	
N-Nitrosodimethylamine		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Phenol		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Chlorophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50			< 0.50			< 0.50	
1,3-Dichlorobenzene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
1,4-Dichlorobenzene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
1,2-Dichlorobenzene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Methylphenol		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Bis(2-Chloroisopropyl)Ether		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Hexachloroethane		N	2790	mg/kg	0.50			< 0.50			< 0.50	
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Methylphenol		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Nitrobenzene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Isophorone		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Nitrophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
2,4-Dimethylphenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2,4-Dichlorophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Naphthalene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Chloroaniline		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Hexachlorobutadiene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Methylnaphthalene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Nitrophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Chloronaphthalene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2-Nitroaniline		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Acenaphthylene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Dimethylphthalate		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2,6-Dinitrotoluene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Acenaphthene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
3-Nitroaniline		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Dibenzofuran		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Chlorophenylphenylether		M	2790	mg/kg	0.50			< 0.50			< 0.50	
2,4-Dinitrotoluene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Fluorene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Diethyl Phthalate		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Nitroaniline		N	2790	mg/kg	0.50			< 0.50			< 0.50	

Results - Soil

Project: 260732 Gommersal St Marys Cofe Primary School

Client: Roberts Environmental Limited		Chemtest Job No.:					26-26474	26-26474	26-26474	26-26474	26-26474	26-26474
Quotation No.: Q26-41200		Chemtest Sample ID.:					2152540	2152541	2152542	2152543	2152544	2152545
		Client Reference:					WS1 WAC	WS1	WS2	WS3 WAC	WS3	WS4
		Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):					0.4	0.4	0.0	0.0	0.0	0.0
		Bottom Depth (m):					1.2	1.2	0.5	0.8	0.8	0.4
		Date Sampled:					24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026
		Asbestos Lab:						DURHAM	DURHAM		DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD							
Azobenzene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Hexachlorobenzene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Phenanthrene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Anthracene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Carbazole		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50			2.9			< 0.50	
Fluoranthene		M	2790	mg/kg	0.50			0.64			< 0.50	
Pyrene		M	2790	mg/kg	0.50			0.61			< 0.50	
Butylbenzyl Phthalate		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Benzo[a]anthracene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Chrysene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50			0.99			< 0.50	
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Benzo[b]fluoranthene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Benzo[k]fluoranthene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Benzo[a]pyrene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50			< 0.50			< 0.50	
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50			< 0.50			< 0.50	
Naphthalene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Acenaphthylene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Acenaphthene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Fluorene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Phenanthrene		M	5003	mg/kg	0.05			0.07	< 0.05		0.09	0.22
Anthracene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Fluoranthene		M	5003	mg/kg	0.05			0.16	< 0.05		0.15	0.48
Pyrene		M	5003	mg/kg	0.05			0.13	< 0.05		0.12	0.40
Benzo[a]anthracene		M	5003	mg/kg	0.05			0.07	< 0.05		0.07	0.20
Chrysene		M	5003	mg/kg	0.05			0.10	< 0.05		0.09	0.27
Benzo[b]fluoranthene		M	5003	mg/kg	0.05			0.12	< 0.05		0.11	0.33
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	0.11
Benzo[a]pyrene		M	5003	mg/kg	0.05			0.07	< 0.05		0.06	0.19
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	0.14
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	< 0.05
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05			< 0.05	< 0.05		< 0.05	0.12
Total Of 16 PAH's		M	5003	mg/kg	0.05			0.74	< 0.05		0.69	2.5
SVOC TIC		N	2790	mg/kg	N/A			See Below			None Detected	
(SVOC TIC) Perylene		N	2790	mg/kg	N/A			0.72				
VOC TIC		N	2760	µg/kg	N/A			None Detected			None Detected	

TPH Chromatogram on Soil Sample: 2152541

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TPH Chromatogram on Soil Sample: 2152542

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TPH Chromatogram on Soil Sample: 2152544

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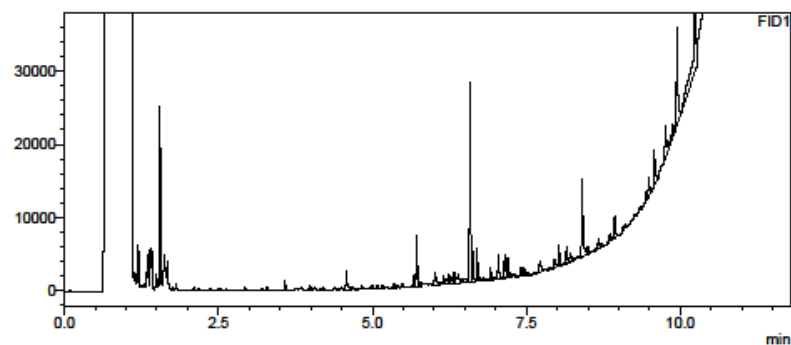


Analysis Report

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TPH Chromatogram on Soil Sample: 2152545

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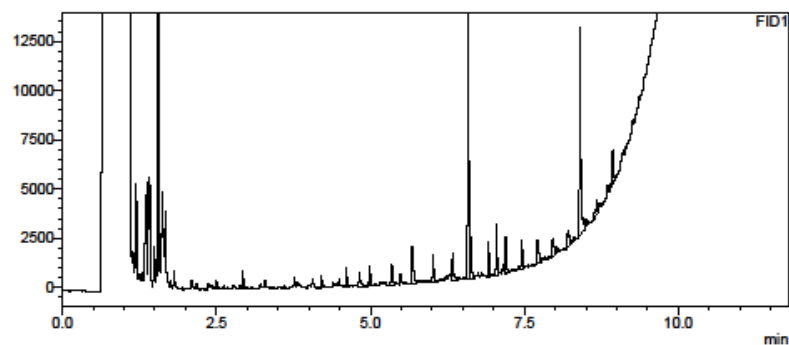


Analysis Report

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Results - 2 Stage WAC

Project: 260732 Gommersal St Marys Cofe Primary School

Chemtest Job No: 26-26474							Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 2152540							Limits			
Sample Ref:							Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Sample ID:										
Client Reference: WS1 WAC										
Top Depth(m): 0.4										
Bottom Depth(m): 1.2										
Sampling Date: 24-Aug-2026										
Determinand	SOP	Accred.	Units							
Total Organic Carbon	2625	M	%				2.2	3	5	6
Loss On Ignition	2610	M	%				9.8	--	--	10
Total BTEX	2760	M	mg/kg				< 0.010	6	--	--
Total PCBs (7 Congeners)	5004	M	mg/kg				< 0.05	1	--	--
WAC Total C10-C40	5001	N	mg/kg				770	500	--	--
Total (Of 17) PAH's	5003	N	mg/kg				0.6	100	--	--
pH at 20C	2010	M					6.0	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	< 0.0020	--	To evaluate	To evaluate			
Eluate Analysis			2:1 mg/l	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg			
Arsenic	1455	U	< 0.0002	0.0019	< 0.0002	0.018	0.5	2	25	
Barium	1455	U	0.017	0.012	0.033	0.12	20	100	300	
Cadmium	1455	U	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.04	1	5	
Chromium	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.5	10	70	
Copper	1455	U	0.0009	0.0005	0.0018	0.0006	2	50	100	
Mercury	1455	U	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.01	0.2	2	
Molybdenum	1455	U	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.5	10	30	
Nickel	1455	U	0.0030	0.0012	0.0059	0.014	0.4	10	40	
Lead	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.5	10	50	
Antimony	1455	N	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.06	0.7	5	
Selenium	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.1	0.5	7	
Zinc	1455	U	0.016	0.007	0.031	0.078	4	50	200	
Chloride		SN	< 1.0	3.2	< 10	< 10	800	15000	25000	
Fluoride	1220	U	0.089	0.083	< 1.0	< 1.0	10	150	500	
Sulphate	1220	U	30	15	59	160	1000	20000	50000	
Total Dissolved Solids (Calc. from EC)	1020	N	75	34	150	370	4000	60000	100000	
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-	
Dissolved Organic Carbon	1610	U	6.4	3.8	< 50	< 50	500	800	1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	18
WAC Sample Weight	2110

Leachate Test Information	
Leachant volume 1st extract/l	0.312
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.120

Waste Acceptance Criteria

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

Results - 2 Stage WAC

Project: 260732 Gommersal St Marys Cofe Primary School

Chemtest Job No: 26-26474							Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 2152543							Limits			
Sample Ref:							Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Sample ID:										
Client Reference: WS3 WAC										
Top Depth(m): 0.0										
Bottom Depth(m): 0.8										
Sampling Date: 24-Aug-2026										
Determinand	SOP	Accred.	Units							
Total Organic Carbon	2625	M	%				6.0	3	5	6
Loss On Ignition	2610	M	%				16	--	--	10
Total BTEX	2760	M	mg/kg				< 0.010	6	--	--
Total PCBs (7 Congeners)	5004	M	mg/kg				< 0.05	1	--	--
WAC Total C10-C40	5001	N	mg/kg				32	500	--	--
Total (Of 17) PAH's	5003	N	mg/kg				< 0.1	100	--	--
pH at 20C	2010	M					6.7	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0030	--	To evaluate	To evaluate			
Eluate Analysis			2:1 mg/l	8:1 mg/l	2:1 mg/kg	Cumulative mg/kg 10:1	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg			
Arsenic	1455	U	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.5	2	25	
Barium	1455	U	< 0.005	< 0.005	< 0.0005	< 0.0005	20	100	300	
Cadmium	1455	U	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.04	1	5	
Chromium	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.5	10	70	
Copper	1455	U	0.0009	0.0021	0.0018	5.4	2	50	100	
Mercury	1455	U	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.01	0.2	2	
Molybdenum	1455	U	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.5	10	30	
Nickel	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.4	10	40	
Lead	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.5	10	50	
Antimony	1455	N	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.06	0.7	5	
Selenium	1455	U	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.1	0.5	7	
Zinc	1455	U	< 0.003	0.004	< 0.003	< 0.003	4	50	200	
Chloride		SN	< 1.0	< 1.0	< 10	< 10	800	15000	25000	
Fluoride	1220	U	0.087	0.13	< 1.0	< 1.0	10	150	500	
Sulphate	1220	U	7.2	5.1	14	12000	1000	20000	50000	
Total Dissolved Solids (Calc. from EC)	1020	N	17	11	33	37000	4000	60000	100000	
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-	
Dissolved Organic Carbon	1610	U	5.2	3.9	< 50	8000	500	800	1000	

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	18
WAC Sample Weight	2426

Leachate Test Information	
Leachant volume 1st extract/l	0.311
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	1011.0

Waste Acceptance Criteria

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

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	RE PW TE TS PL DW GW
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	TE LE SW GW
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	PL SW GW
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	SOP 1670, Title: Total Petroleum Hydrocarbons (TPH) in in Waters by GC-FID, Parameters Included: TPH (C10-40), 5-band DRO and 2 band DRO, Method Summary: Pentane extraction / GC-FID detection, Water Accred: Prepared Leachate and Ground Water.	Pentane extraction / GC FID detection	
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection	PL GW SW
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2015	Acid Neutralisation Capacity	Acid Reserve	Titration	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2192	Asbestos Quantification in Soils Sediments Ballast & Aggregate Crushed Concrete & Demolition Rubble	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS	
5001	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C10-C40); optional carbon banding, e.g. 4-band DRO >C10-12, >C12-16, >C16-21 and >C21-35	Hexane/Acetone extraction / GC-FID	
5003	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Hexane / Acetone extraction GC-MS	
5004	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	
650	Characterisation of Waste (Leaching C2,C8,C10,WAC)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

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

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Where analysis is performed on a dried and crushed sample, it has been prepared by crushing all of the sample. If material has been removed prior to crushing, or by request of the client, this will be stated on the report.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL

DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

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

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

Report Information

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

DW - Drinking Water (Non-Regulatory)
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
cs@etuki.eurofins.com

Enclosure 4

	Job No:	260732					Below Assessment Criteria			
	Site Name:	EFAB Building St. Mary's Primary School, Gomersal					Same as Assessment Criteria			
	Client:	KPS					Above Assessment Criteria			
						Below Limit of Detection				
	Land Use Scenario:		Public Open Space - Park			LQM S4ULs Suitable 4 Use Levels				
Sample Reference:	WS1	WS2	WS3	WS4	ATRISKSOIL Atkins - Soil Screening Values					
Top Depth:	0.4	0	0	0	EIC/AGS/CLAIRE Generic Assessment Criteria					
Bottom Depth:	1.2	0.5	0.8	0.4	CLAIRE interim C4SLs Category 4 Screening Levels					
Date:	24-Aug-2026	24-Aug-2026	24-Aug-2026	24-Aug-2026	Units	Maximum Concentration	Assessment Criteria			Source
Deposit Type	Natural	Made Ground	Made Ground	Made Ground			1% SOM	2.5% SOM	6% SOM	
Standard Analytes - Inorganics										
pH	7.2	6.8	6.7	6.2	-	7.2	N/A	N/A	N/A	N/A
Sulphate (2:1 Water Soluble) as SO4	0.068	0.036	0.12	0.11	g/L	0.12	N/A	N/A	N/A	N/A
Cyanide (Free)	< 0.50	< 0.50	< 0.50	< 0.50	mg/kg	0	34	34	34	ATRISKSOIL
Organic Matter	7.5	8.8	9.1	15	%	15	N/A	N/A	N/A	N/A
Total Organic Carbon	4.3	5.1	5.3	8.4	%	8.4	N/A	N/A	N/A	N/A
Actual SOM Calculation (TOC /0.58)	7.413793103	8.793103448	9.137931034	14.48275862	%	14.48275862	N/A	N/A	N/A	N/A
SELECT SOM (%)	6	6	6	6			N/A	N/A	N/A	N/A
Standard Analytes - Metals										
Arsenic	51	26	18	35	mg/kg	51	168	168	168	LQM S4ULs
Cadmium	0.4	0.28	0.33	0.47	mg/kg	0.47	532	532	532	LQM S4ULs
Chromium (Total)	28	20	23	26	mg/kg	28	N/A	N/A	N/A	N/A
Chromium III	28	20	23	26	mg/kg	28	33000	33000	33000	LQM S4ULs
Chromium VI	< 0.50	< 0.50	< 0.50	< 0.50	mg/kg	0	220	220	220	LQM S4ULs
Copper	75	37	34	61	mg/kg	75	44000	44000	44000	LQM S4ULs
Lead	230	86	48	110	mg/kg	230	310	310	310	LQM S4ULs
Mercury (Elemental Hg)	0.29	0.11	0.1	0.18	mg/kg	0.29	68	68	68	LQM S4ULs
Nickel	27	21	27	34	mg/kg	34	3400	3400	3400	LQM S4ULs
Selenium	1.5	1.2	1.3	1.5	mg/kg	1.5	1800	1800	1800	LQM S4ULs
Zinc	170	84	110	140	mg/kg	170	170000	170000	170000	LQM S4ULs
Standard Analytes - PAHs										
Acenaphthene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	29000	30000	30000	LQM S4ULs
Acenaphthylene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	29000	30000	30000	LQM S4ULs
Anthracene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	150000	150000	150000	LQM S4ULs
Benzo[a]anthracene	0.07	< 0.05	0.07	0.2	mg/kg	0.2	49	56	62	LQM S4ULs
Benzo[a]pyrene	0.07	< 0.05	0.06	0.19	mg/kg	0.19	11	12	13	LQM S4ULs
Benzo[b]fluoranthene	0.12	< 0.05	0.11	0.33	mg/kg	0.33	13	15	16	LQM S4ULs
Benzo[ghi]perylene	< 0.05	< 0.05	< 0.05	0.12	mg/kg	0.12	1400	1500	1600	LQM S4ULs
Benzo[k]fluoranthene	< 0.05	< 0.05	< 0.05	0.11	mg/kg	0.11	370	410	440	LQM S4ULs
Chrysene	0.1	< 0.05	0.09	0.27	mg/kg	0.27	93	110	120	LQM S4ULs
Dibenz[ah]anthracene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	1.1	1.3	1.4	LQM S4ULs
Fluoranthene	0.16	< 0.05	0.15	0.48	mg/kg	0.48	6300	6300	6400	LQM S4ULs
Fluorene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	20000	20000	20000	LQM S4ULs
Indeno[123-cd]pyrene	< 0.05	< 0.05	< 0.05	0.14	mg/kg	0.14	150	170	180	LQM S4ULs
Naphthalene	< 0.05	< 0.05	< 0.05	< 0.05	mg/kg	0	1200	1900	3000	LQM S4ULs
Phenanthrene	0.07	< 0.05	0.09	0.22	mg/kg	0.22	6200	6200	6300	LQM S4ULs
Pyrene	0.13	< 0.05	0.12	0.4	mg/kg	0.4	15000	15000	15000	LQM S4ULs
Standard Analytes - TPH Total Only										
TPH Total >C6-C40	740	200	72	26	mg/kg	740	7200	7700	7800	Lowest of LQM S4ULs
Standard Analytes - Asbestos										
Asbestos	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	-		N/A	N/A	N/A	N/A

	Job No:	260732			Below Assessment Criteria	
	Site Name:	EFAB Building St. Mary's Primary School, Gomersal				
	Client:	KPS			Same as Assessment Criteria	
	Most Sensitive Receptor:	General Controlled Waters			Above Assessment Criteria	
Sample Reference:	WS2	WS4			Below Limit of Detection	
Top Depth:	0	0				
Bottom Depth:	0.5	0.4				
Date:	24-Aug-2026	24-Aug-2026				
Deposit Type:	Made Ground	Made Ground	Units	Maximum Concentration	Assessment Criteria	Source
Standard Analyses - Inorganics and pH						
pH	6.7	6.3	Unitless	6.7	6 to 9	EA EQS
Sulphate	7.9	11	mg/l	11	400	EA EQS
Cyanide (Free)	< 0.050	< 0.050	mg/l	44	0.5	WHO GDWQ
Arsenic	0.25	0.38	µg/l	0.38	50	EA EQS
Boron	55	39	µg/l	55	7000	EA EQS
Cadmium	< 0.11	< 0.11	µg/l	0	3	WHO GDWQ
Copper	3.8	4.4	µg/l	4.4	2000	WHO GDWQ
Mercury	< 0.05	< 0.05	µg/l	0	6	WHO GDWQ
Nickel	0.52	1.4	µg/l	1.4	70	WHO GDWQ
Lead	5.9	2.0	µg/l	5.9	10	WHO GDWQ
Selenium	< 0.50	< 0.50	µg/l	0	71	USEPA WQC
Zinc	5.1	6.9	µg/l	6.9	3000	WHO GDWQ
Chromium (Total)	< 0.50	< 0.50	µg/l	0	50	WHO GDWQ
Standard Analyses - TPH Banded						
TPH >C10-C12	< 20	< 20	µg/l	0	90	WHO 2008
TPH >C12-C16	< 20	< 20	µg/l	0	90	WHO 2008
TPH >C16-C21	< 20	< 20	µg/l	0	90	WHO 2008
TPH >C21-C35	< 20	< 20	µg/l	0	90	WHO 2008
Standard Analyses - PAHs						
Naphthalene	< 0.10	< 0.10	µg/l	0	700	USEPA DWEL
Acenaphthylene	< 0.10	< 0.10	µg/l	0	420	USEPA NHGWS
Acenaphthene	< 0.10	< 0.10	µg/l	0	2000	USEPA DWEL
Fluorene	< 0.10	< 0.10	µg/l	0	1000	USEPA DWEL
Phenanthrene	< 0.10	< 0.10	µg/l	0	6.3	USEPA WQC
Anthracene	< 0.10	< 0.10	µg/l	0	10000	USEPA DWEL
Fluoranthene	< 0.10	< 0.10	µg/l	0	4	WHO GDWQ
Pyrene	< 0.10	< 0.10	µg/l	0	210	USEPA NHGWS
Benzo[a]anthracene	< 0.10	< 0.10	µg/l	0	0.05	USEPA NHGWS
Chrysene	< 0.10	< 0.10	µg/l	0	5	USEPA NHGWS
Benzo[b]fluoranthene	< 0.10	< 0.10	µg/l	0	0.017	EA EQS
Benzo[k]fluoranthene	< 0.10	< 0.10	µg/l	0	0.017	EA EQS
Benzo[a]pyrene	< 0.10	< 0.10	µg/l	0	0.7	WHO GDWQ
Indeno[1,2,3-c,d]Pyrene	< 0.10	< 0.10	µg/l	0	0.00017	EA EQS
Dibenz[a,h]Anthracene	< 0.10	< 0.10	µg/l	0	0.005	USEPA NHGWS
Benzo[g,h,i]perylene	< 0.10	< 0.10	µg/l	0	0.0082	EA EQS
Sum of PAHs	< 2.0	< 2.0	µg/l	0	300	USEPA WQC

Enclosure 5

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)



1NMU4-6XZDV-BRRHA

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

 This Waste Classification Report contains  user defined substances. See [Appendix A](#) for details.

Report is invalid if pages are removed.

Job name

EFAB Building St. Mary's Primary School, Gomersal

Description/Comments

Project

260732

Site

EFAB Building St. Mary's Primary School, Gomersal

Classified by

Name: **Andrew Cuthbert**
Date: **29 Sep 2026 14:25 GMT**
Telephone: **0191 230 4521**
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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

EFAB Building St. Mary's Primary School, Gomersal

Post Code BD19 4NA

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment.

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

Waste created from excavations.

Description of the waste

Made Ground and natural deposits.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1	0.4 - 1.2	Non Hazardous		3
2	WS2	0.0 - 0.5	Non Hazardous		6
3	WS3	0.0 - 0.8	Non Hazardous		9
4	WS4	0.0 - 0.4	Non Hazardous		12

Related documents

#	Name	Description
1	Roberts Environmental 2022	waste stream template used to create this Job

Report

Created by: Andrew Cuthbert

Created date: 29 Sep 2026 14:25 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	15
Appendix B: Rationale for selection of metal species	17
Appendix C: Version	17

Classification of sample: WS1

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

Sample details

Sample name:	LoW Code:
WS1	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.4 - 1.2 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18%	
(no correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				51 mg/kg		51 mg/kg	0.0051 %		
	033-001-00-X	231-148-6	7440-38-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	0.4 mg/kg		0.4 mg/kg	0.00004 %		
	048-001-00-5									
3	Chromium Total				28 mg/kg		28 mg/kg	0.0028 %		
4	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				28 mg/kg	1.462	40.924 mg/kg	0.00409 %		
		215-160-9	1308-38-9							
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				75 mg/kg	1.126	84.442 mg/kg	0.00844 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	230 mg/kg	1.56	358.757 mg/kg	0.023 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.29 mg/kg	1.353	0.393 mg/kg	0.0000393 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.5 mg/kg	1.405	2.108 mg/kg	0.000211 %		
	034-002-00-8									
11	zinc { zinc chromate }				170 mg/kg	2.774	471.605 mg/kg	0.0472 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.2 pH		7.2 pH	7.2 pH		
13	Sulphate (2:1 water soluble)				0.068 mg/kg		0.068 mg/kg	0.0000068 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	cyanides {  salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
15	 acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
16	 acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
17	 anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
18	benzo[a]anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-033-00-9	200-280-6	56-55-3							
19	benzo[a]pyrene; benzo[def]chrysene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-032-00-3	200-028-5	50-32-8							
20	benzo[b]fluoranthene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
	601-034-00-4	205-911-9	205-99-2							
21	 benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
22	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
23	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
24	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
25	 fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		205-912-4	206-44-0							
26	 fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	 indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
28	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
29	 phenanthrene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		201-581-5	85-01-8							
30	 pyrene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-927-3	129-00-0							
31	 TPH (C6 to C40) petroleum group				740 mg/kg		740 mg/kg	0.074 %		
			TPH							
32	 confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
Total:								0.173 %		

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)
	Determinand defined by classifier (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: 750 mg/kg (0.075%) because: Sample is not a liquid.



Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.074%)

Classification of sample: WS2

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

Sample details

Sample name:	LoW Code:
WS2	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.0 - 0.5 m	
Moisture content:	
15%	
(no correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic {  arsenic }	033-001-00-X	231-148-6	7440-38-2	26 mg/kg		26 mg/kg	0.0026 %		
2	cadmium {  cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			0.28 mg/kg		0.28 mg/kg	0.000028 %		
3	Chromium Total				20 mg/kg		20 mg/kg	0.002 %		
4	chromium in Cr(III) compounds {  chromium(III) oxide (worst case) }	215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
5	chromium in Cr(VI) compounds {  chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
6	copper {  dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
7	lead {  lead chromate }	082-004-00-2	231-846-0	7758-97-6	86 mg/kg	1.56	134.144 mg/kg	0.0086 %		
8	mercury {  mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.11 mg/kg	1.353	0.149 mg/kg	0.0000149 %		
9	nickel {  nickel chromate }	028-035-00-7	238-766-5	14721-18-7	21 mg/kg	2.976	62.502 mg/kg	0.00625 %		
10	selenium {  selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			1.2 mg/kg	1.405	1.686 mg/kg	0.000169 %		
11	zinc {  zinc chromate }	024-007-00-3	236-878-9	13530-65-9	84 mg/kg	2.774	233.028 mg/kg	0.0233 %		
12	pH		PH		6.8 pH		6.8 pH	6.8 pH		
13	Sulphate (2:1 water soluble)				0.036 mg/kg		0.036 mg/kg	0.0000036 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
15	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
16	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
17	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
18	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
19	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
20	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
21	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
22	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
23	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
24	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
25	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
28	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
29	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	TPH (C6 to C40) petroleum group				200 mg/kg		200 mg/kg	0.02 %		
			TPH							
32	confirm TPH has NOT arisen from diesel or petrol				☒					
			TPH_CONFIRM							
Total:								0.0701 %		

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)
	Determinand defined by classifier (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: 750 mg/kg (0.075%) because: Sample is not a liquid.



Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.02%)

Classification of sample: WS3

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

Sample details

Sample name:	LoW Code:
WS3	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.0 - 0.8 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
19%	
(no correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				18 mg/kg		18 mg/kg	0.0018 %		
	033-001-00-X	231-148-6	7440-38-2							
2	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	0.33 mg/kg		0.33 mg/kg	0.000033 %		
	048-001-00-5									
3	Chromium Total				23 mg/kg		23 mg/kg	0.0023 %		
4	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
		215-160-9	1308-38-9							
5	chromium in Cr(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				34 mg/kg	1.126	38.28 mg/kg	0.00383 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	48 mg/kg	1.56	74.871 mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.135 mg/kg	0.0000135 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.3 mg/kg	1.405	1.827 mg/kg	0.000183 %		
	034-002-00-8									
11	zinc { zinc chromate }				110 mg/kg	2.774	305.156 mg/kg	0.0305 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
13	Sulphate (2:1 water soluble)				0.12 mg/kg		0.12 mg/kg	0.000012 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
14	cyanides {  salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
15	 acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
16	 acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
17	 anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
18	benzo[a]anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %			
	601-033-00-9	200-280-6	56-55-3								
19	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %			
	601-032-00-3	200-028-5	50-32-8								
20	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %			
	601-034-00-4	205-911-9	205-99-2								
21	 benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
22	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
23	chrysene				0.09 mg/kg		0.09 mg/kg	0.000009 %			
	601-048-00-0	205-923-4	218-01-9								
24	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
25	 fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %			
		205-912-4	206-44-0								
26	 fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	 indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
28	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
29	 phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %			
		201-581-5	85-01-8								
30	 pyrene				0.12 mg/kg		0.12 mg/kg	0.000012 %			
		204-927-3	129-00-0								
31	 TPH (C6 to C40) petroleum group				72 mg/kg		72 mg/kg	0.0072 %			
			TPH								
32	 confirm TPH has NOT arisen from diesel or petrol				☒						
			TPH_CONFIRM								
Total:									0.0622 %		

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)
	Determinand defined by classifier (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: 750 mg/kg (0.075%) because: Sample is not a liquid.



Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0072%)

Classification of sample: WS4

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

Sample details

Sample name:	LoW Code:
WS4	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.0 - 0.4 m	
Moisture content:	
15%	
(no correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic {  arsenic }	033-001-00-X	231-148-6	7440-38-2	35 mg/kg		35 mg/kg	0.0035 %		
2	cadmium {  cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			0.47 mg/kg		0.47 mg/kg	0.000047 %		
3	Chromium Total				26 mg/kg		26 mg/kg	0.0026 %		
4	chromium in Cr(III) compounds {  chromium(III) oxide (worst case) }	215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
5	chromium in Cr(VI) compounds {  chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
6	copper {  dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	61 mg/kg	1.126	68.679 mg/kg	0.00687 %		
7	lead {  lead chromate }	082-004-00-2	231-846-0	7758-97-6	110 mg/kg	1.56	171.58 mg/kg	0.011 %		
8	mercury {  mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.18 mg/kg	1.353	0.244 mg/kg	0.0000244 %		
9	nickel {  nickel chromate }	028-035-00-7	238-766-5	14721-18-7	34 mg/kg	2.976	101.193 mg/kg	0.0101 %		
10	selenium {  selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			1.5 mg/kg	1.405	2.108 mg/kg	0.000211 %		
11	zinc {  zinc chromate }	024-007-00-3	236-878-9	13530-65-9	140 mg/kg	2.774	388.381 mg/kg	0.0388 %		
12	pH		PH		6.2 pH		6.2 pH	6.2 pH		
13	Sulphate (2:1 water soluble)				0.11 mg/kg		0.11 mg/kg	0.000011 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
14	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %			<LOD
	006-007-00-5										
15	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
16	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
17	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
18	benzo[a]anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %			
	601-033-00-9	200-280-6	56-55-3								
19	benzo[a]pyrene; benzo[def]chrysene				0.19 mg/kg		0.19 mg/kg	0.000019 %			
	601-032-00-3	200-028-5	50-32-8								
20	benzo[b]fluoranthene				0.33 mg/kg		0.33 mg/kg	0.000033 %			
	601-034-00-4	205-911-9	205-99-2								
21	benzo[ghi]perylene				0.12 mg/kg		0.12 mg/kg	0.000012 %			
		205-883-8	191-24-2								
22	benzo[k]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %			
	601-036-00-5	205-916-6	207-08-9								
23	chrysene				0.27 mg/kg		0.27 mg/kg	0.000027 %			
	601-048-00-0	205-923-4	218-01-9								
24	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
25	fluoranthene				0.48 mg/kg		0.48 mg/kg	0.000048 %			
		205-912-4	206-44-0								
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	indeno[123-cd]pyrene				0.14 mg/kg		0.14 mg/kg	0.000014 %			
		205-893-2	193-39-5								
28	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
29	phenanthrene				0.22 mg/kg		0.22 mg/kg	0.000022 %			
		201-581-5	85-01-8								
30	pyrene				0.4 mg/kg		0.4 mg/kg	0.00004 %			
		204-927-3	129-00-0								
31	TPH (C6 to C40) petroleum group				26 mg/kg		26 mg/kg	0.0026 %			
			TPH								
32	confirm TPH has NOT arisen from diesel or petrol				☒						
			TPH_CONFIRM								
Total:									0.0799 %		

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)
	Determinand defined by classifier (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: 750 mg/kg (0.075%) because: Sample is not a liquid.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0026%)

Appendix A: Classifier defined and non GB MCL determinands

■ **arsenic** (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X

Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from:: IARC Group 1 (23, Sup 7, 100C) 2012

■ **cadmium compounds, with the exception of cadmium sulposelenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex**

GB MCL index number: 048-001-00-5

Description/Comments: Worst Case: IARC considers cadmium compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from:: IARC Group 1 (23, Sup 7, 100C) 2012

🧑 **Chromium Total**

Description/Comments:

Data source: N/A

Data source date: 25 Sep 2018

Hazard Statements: None.

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

Description/Comments: Data from ECHACHEM; notifications <1% & outliers (H360, H413) ignored

Data source: <https://chem.echa.europa.eu/100.013.783/overview>

Data source date: 16 Mar 2026

Hazard Statements: Acute Tox. 4; H302, Skin Sens. 1; H317, Eye Irrit. 2; H319, Resp. Sens. 1; H334

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 version 1.1.NI and 1.2.GB 2021

Data source date: 30 Jan 2021

Hazard Statements: None.

🧑 **Sulphate (2:1 water soluble)**

Description/Comments:

Data source: N/A

Data source date: 25 Sep 2018

Hazard Statements: None.

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

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from:: WM3, Table C12.2

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

Description/Comments: Data from ECHACHEM; CLP submissions;

SDS Sigma Aldrich v6.8 dated 12/12/2025

Data source: <https://chem.echa.europa.eu/100.001.336/industry/113817?searchText=83-32-9>

<https://www.sigmaaldrich.com/GB/en/sds/aldrich/215376>

Data source date: 02 Mar 2026

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

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

Description/Comments: Data from ECHACHEM; CLP submissions;

SDS Sigma Aldrich v6.7 dated 25/12/2025

Data source: <https://chem.echa.europa.eu/100.005.380/overview>

<https://www.sigmaaldrich.com/GB/en/sds/aldrich/416703>

Data source date: 02 Mar 2026

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic}

Arsenic TOTAL

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide ($x\text{CdS.yCdSe}$), reaction mass of cadmium sulphide with zinc sulphide ($x\text{CdS.yZnS}$), reaction mass of cadmium sulphide with mercury sulphide ($x\text{CdS.yHgS}$), and those specified elsewhere in this Annex}

Cadmium TOTAL

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

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

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

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

lead {lead chromate}

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

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

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

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc chromate}

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

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

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

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2026.261.7371.00a268d (19 Sep 2026)

HazWasteOnline Database: 2026.261.7371.00a268d (19 Sep 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