

18th August 2026

Our ref: GE24016/LR/TG01/260818

Mark Iveson,
Devine Homes PLC,
St Michael's House,
111 Bell Street,
Reigate,
RH2 7LF.



By Email Only

Dear Mark,

RE: Additional Sampling and Testing at Station Road, Cowfold.

Introduction

Geo-Environmental Services Ltd was appointed by Devine Homes PLC to excavate 7No. hand pits to 0.5m bgl (I.Ds TP1-TP7) at the land off Station Road, Cowfold, RH13 8DA. The hand pits were excavated across areas proposed for public open space and allotments with the wider site proposed as residential housing and associated infrastructure.

The hand pits were advanced to obtain a selection of Topsoil and subsoil samples for chemical analysis and to log encountered ground conditions, providing a general overview of the background chemical quality of the near surface soils.

Geo-Environmental previously undertook a desk study coupled with intrusive geotechnical and geo-environmental ground investigation with laboratory testing to inform geotechnical and geo-environmental assessments for the proposed development. A Ground Appraisal Report (Report Reference: GE19071-GAR-JUN21) was issued on 30.06.2021 and should be read in conjunction with this Letter Report.

We are pleased to present this letter outlining our findings. Appended are copies of the Site Investigation Plan, chemical analysis and stratigraphic logs.

The validation visit was made on 05/08/2026.

Site Description

At the time of the investigation the site comprised two fields, interconnected by a vehicular track, accessed via Station Road. The southern most field was surrounded on all sides by mature trees. The northern field was bound to the north by Station Road and to the east by a detached residential property. The western and southern boundaries comprised mature trees and hedgerows. The site had a gentle sloped from north to south and was covered with long grass at the time of the investigation. Reptile fencing was installed across several sections of the site.

Ground Conditions

On 05/08/2026 an engineer from Geo-Environmental attended site to excavate 7No hand pits to 0.5m bgl. The encountered ground conditions are summarised within Table 1.

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Top (m bgl)	Bottom (m bgl)	Description	Location
0.00	0.25-0.36	TOPSOIL: Light brown to brown sandy CLAY. Sand is fine to medium. Rootlets throughout. / Brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine sub angular chert.	All
0.25-0.36	0.50+	WEALD CLAY FORMATION: Hard* light brown orangish brown mottled sandy CLAY. Sand is fine. Occasional rootlets. / Hard* greyish brown orangish brown mottled slightly sandy CLAY. Sand is fine to medium.	All

*Hand penetrometer readings recorded the Weald Clay Formation as 'Hard', however this is a reflection of the hot dry weather causing desiccation en masse of these soils and may overestimate soil strength and excavation stability in the soils encountered.

Table 1: Summary of Encountered Conditions TP1-TP7.

No visual or olfactory signs of contamination were observed.

Rare anthropogenic inclusions observed comprised brick fragments and a single glass fragment. The strata which contained man-made inclusions was not logged as Made Ground due to the limited quantity of anthropogenic material encountered. Table 3 provides a summary.

Location	Depth (m bgl)	Inclusion
TP2	0.25	One Brick Fragment
TP3	0.00-0.36	Rare Brick Fragments (<5)
TP4	0.00-0.32	Rare Brick Fragments (<5)
TP4	0.20	One Glass Fragment

Table 2: Summary of Anthropogenetic Inclusions Encountered.

Soil Sampling and Chemical Analysis

Representative samples of Topsoil and subsoil were obtained from all hand pits. Table 3 provides a summary of the samples scheduled for chemical testing. Soil samples were submitted to a UKAS accredited laboratory. All scheduled soil samples were analysed for a suite of commonly occurring brownfield contaminants including asbestos screening with the exception of TP1 at 0.10m bgl, which was scheduled for a metal's suite only.

The resulting chemical analysis is enclosed within this report (Report No: 26-043142).

The presence of a possible contaminant does not necessarily imply that a site or area is contaminated or that there is any unacceptable risk to human health. A Preliminary Quantitative Risk Assessment has been undertaken in accordance with LCRM, in order to evaluate any unacceptable risks posed to human health with respect to the proposed development. It should be noted that this assessment is protective of the chronic long-term effects of contaminants, which is also likely to be protective of any possible immediate acute effects.

A quantitative risk assessment has been undertaken by comparing the results of the laboratory chemical testing of shallow soils against Soil Screening Values (SSV) generated using the Contaminated Land Exposure Assessment (CLEA) model v1.07 published by Atkins, or against the Category 4 Screening Levels (C4SLs) published by DEFRA. Although the C4SLs were released for Part 2A use, the associated policy companion document for the C4SLs indicated that they may also be used for planning. Although the C4SLs represent a

marginally higher risk level than the SSACs (low risk rather than minimal risk) it is considered that the risk levels remain very low. Therefore, the final C4SLs are considered to be suitable to assess soils under the planning regime. Where the screening values have been exceeded, further statistical assessments have been undertaken on the datasets. Benzo(a)pyrene has been used in the assessment as a surrogate marker for Polycyclic aromatic hydrocarbons (PAH) contamination.

The laboratory results were compared individually against both the thresholds for a Public Open Space (Residential) and Allotments End Use (1% SOM).

Location	Material	Sample Depth (m bgl)
TP1	Topsoil	0.10
TP2	Topsoil	0.10
TP3	Topsoil	0.10
TP4	Topsoil	0.10
TP5	Topsoil	0.10
TP5	Weald Clay Formation	0.40
TP6	Topsoil	0.10
TP7	Topsoil	0.10
TP7	Weald Clay Formation	0.40

Table 3: Summary of Soil Samples.

Soil samples were placed into plastic containers for general inorganic analysis and into amber jars for organic analysis. Samples were stored in temperature-controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with the laboratory's protocols.

All samples submitted for asbestos screens were returned with no asbestos fibres identified.

No exceedances were identified against Public Open Space (Residential) threshold concentrations.

Hand pit locations TP2, TP3 and TP7 were excavated over proposed Allotments. The results of the sample analysis were compared to Allotments End Use (1% SOM) screening criteria, samples which exceeded the criteria are summarised in Table 4.

Determinand	Allotments End Use (1% SOM) Criteria (mg/kg)	Location	Depth (m bgl)	Recorded Concentration (mg/kg)	Geology
Barium	18.1	TP2	0.10	160	Topsoil
		TP3	0.10	350*	Topsoil
		TP7	0.10	150	Topsoil
		TP7	0.40	74	Weald Clay Formation
Lead	79.1	TP2	0.10	200	Topsoil
		TP3	0.10	320	Topsoil
		TP7	0.10	270	Topsoil
Benzo(a)pyrene	5.72	TP2	0.10	7.8	Topsoil

NOTE: *UKSO UK Soil Observatory background for Barium (269.84mg/kg) exceeded.

Table 4: Chemical Exceedances Summary (Allotments End Use (1% SOM))

The exceedance for Barium recorded within TP3 at 0.10 and the exceedance for Benzo(a)pyrene within TP2 at 0.10 were identified by the Grubb's Test as an outliers. However, the description of the soil at the TP2 and TP3

were similar to that found in the other positions for the Topsoil on-site and as such there was no justification for removing the samples from the datasets and treating the locations as 'hot-spots'.

Statistical analysis of the data set has been undertaken in accordance with guidance contained in the CIEH/CL:AIRE report 'Comparing Soil Contamination Data with a Critical Concentration' (May 2008). If the contamination status of the soils is considered in a planning context, the null hypothesis tested by the analysis is whether the true mean concentration is equal to or greater than the critical concentration for a given determinand, with the critical concentration being the relevant SSAC or GAC (the soil screening value) for that determinand in the context of the intended end use of the site. If the analysis shows that the true mean concentration is less than the critical concentration the null hypothesis can be rejected. The guidance recommends that for the null hypothesis to be rejected the analysis should show that there is a 95% (or higher) likelihood that the true mean concentration is below the critical concentration. Where this is the case the site is considered to be acceptable for the planned end use without the requirement for remediation.

A statistical assessment has been undertaken for Barium, Lead and Benzo(a)pyrene. Table 5 summarises the findings of the statistical assessment.

Determinand	Sample Mean (mg/kg)	Allotments End Use (1% SOM) Screening Value (mg/kg)	Upper Confidence Limit (mg/kg)	Evidence Level (%)
Barium	129.44	18.1	258.29	0
Lead	118.22	79.1	284.87	0
Benzo(a)pyrene	1.76	5.72	6.15	94

Table 5: Summary of Statistical Analysis (Allotments End Use (1% SOM))

The statistical assessment has shown that there is a 0% likelihood that the true mean concentration of Barium and Lead are below the soil screening values for an Allotment end use.

The statistical assessment has shown that there is a 94% likelihood that the true mean concentration of Benzo(a)pyrene is below the soil screening values for an Allotment end use.

As part of the assessment of reported barium concentrations, the UK Soil Observatory natural background map was reviewed, and this indicated natural background concentrations of barium within the subject site to be 269.84mg/kg. Given the reported concentrations of barium in the Topsoil and underlying natural soils (Weald Clay Formation) were in the range 74-360mg/kg, it is considered that the concentrations detected are not indicative of gross contamination which represent a specific risk of harm to end users or would warrant remedial intervention in regards to Barium.

Determinand	Sample Mean (mg/kg)	UK Soil Observatory Background Value (mg/kg)	Upper Confidence Limit (mg/kg)	Evidence Level (%)
Barium	129.44	239.84	258.29	96

Table 6: Summary of Statistical Analysis - UK Soil Observatory (Allotments End Use (1% SOM))

However, based on the Topsoil test results, remedial measures are considered necessary over the area of proposed Allotments for the protection of end-users human health in regard to Lead and Benzo(a)pyrene.

It is recommended that the Topsoil over the area of proposed allotments should be removed and replaced with certified clean growing media. Following replacement the area of proposed allotments shall be subject to an inspection pit to record construction makeup and obtain a Topsoil sample. Note should be made that the removed Topsoil would be suitable for re-use on site within areas of Public Open Space (residential).

The analysis for imported Topsoil should be screened against the threshold values in Table 7 below.

Determinad	Allotments End Use (1% SOM) Criteria (mg/kg)
Arsenic	49
Barium	18.1
Beryllium	17.8
Cadmium	3.9
Chromium	12600
Copper	1450
Lead	79.1
Mercury	94.1
Nickel	67.3
Selenium	143
Vanadium	33.2
Zinc	5230
Benzo(a)pyrene	5.72
TPH aromatic C5-C7 (Benzene)	0.176
TPH aromatic C7-C8 (Toluene)	146
TPH aromatic C8-C10	73.9
TPH aromatic C10-C12	95.9
TPH aromatic C12-C16	176
TPH aromatic C16-C21	321
TPH aromatic C21-C35	1570
TPH aliphatic C5-C6	6110
TPH aliphatic C6-C8	18300
TPH aliphatic C8-C10	2390
TPH aliphatic C10-C12	8960
TPH aliphatic C12-C16	16300
TPH aliphatic C16-C35	477000
Benzene	0.176
Toluene	146
Ethylbenzene	106
Asbestos	Absent

Table 7: Allotments End Use (1% SOM) Screening Criteria (mg/kg) for replaced Topsoil

Soil Contamination vs. Soft Landscaping

British Standard BS3882:2015 Specification for topsoil and requirements for use provides assessment criteria for a number of potentially phytotoxic contaminants in terms of new planting.

The results of the chemical analysis for determinants known to pose a potential phytotoxic risk to plant growth are summarised in Table 4, together with the respective adopted Generic Assessment Criteria (GAC) for plant

growth. The compliance criteria set out in BS3882:2015 are pH dependent and thus the GAC used relate to the pH range measured on samples recovered from the site.

Determinand	Phytotoxicity GAC (mg/kg)			GAC Exceedances
	pH <6.0	pH 6.0-7.0	pH >7.0	
Zinc	200	200	300	Yes
Copper	100	135	200	No
Nickel	60	75	110	No

Table 8: Summary of Plant Phytotoxicity Assessment.

Samples exceeding the criteria are summarised in Table 9.

Determinand	Allotments End Use (1% SOM) Criteria (mg/kg)	Location	Depth (m bgl)	Recorded Concentration (mg/kg)	Geology
Zinc	300	TP3	0.10	350	Topsoil

Table 9: Location of Plant Phytotoxicity Exceedance.

The phytotoxicity assessment identified one exceedance of the relevant zinc threshold within TP3. Remedial measures to protect proposed soft landscaping from soils over TP3 would be considered necessary. However, the proposed replacement with certified clean growing media in this location would effectively protect soft landscaping, as such no further remedial measures would be necessary.

Waste

Where waste soil is being disposed to landfill it must first be classified as either Hazardous or Non-Hazardous. The classification is carried out in accordance with the Environment Agency's publication WM3 'Waste Classification- Guidance on the classification and assessment of waste'. Waste that is classified as Non-Hazardous in accordance with WM3 may be disposed without further testing to a Non-Hazardous landfill. Alternatively, once the waste soils have been identified, Waste Acceptance Criteria (WAC) testing can be undertaken to establish whether the material can be disposed to an Inert landfill, a subgroup of Non-Hazardous landfill. It should be noted that inert wastes are typically from a consistent source that meet a number of qualifying criteria, and thus Made Ground commonly will not meet the requirements to be disposed as Inert.

Samples of Topsoil and Weald Clay were submitted for testing for a suite of commonly occurring contaminants with the principal aim of human health risk assessment. However, the results have also been assessed for waste classification to provide an early indication of likely classifications of potential waste soils.

The results for the samples were assessed using HazWasteOnline™.

The assessment indicated that all samples would be classified as non-hazardous waste and assigned the List of Waste (LoW) Code 17 05 04. The results are summarised in Table 10.

ID & Depth (m bgl)	Soil Description	Waste Classification (LoW Code)
TP1 0.10	Topsoil	Non Hazardous (17 05 04)
TP2 0.10	Topsoil	Non Hazardous (17 05 04)
TP3 0.10	Topsoil	Non Hazardous (17 05 04)
TP4 0.10	Topsoil	Non Hazardous (17 05 04)

ID & Depth (m bgl)	Soil Description	Waste Classification (LoW Code)
TP5 0.10	Topsoil	Non Hazardous (17 05 04)
TP5 0.40	Weald Clay Formation	Non Hazardous (17 05 04)
TP6 0.10	Topsoil	Non Hazardous (17 05 04)
TP7 0.10	Topsoil	Non Hazardous (17 05 04)
TP7 0.40	Weald Clay Formation	Non Hazardous (17 05 04)

Table 10: Waste Soils Assessment Summary

Waste Acceptance Criteria (WAC) testing may be required to confirm if the material could be disposed of as inert waste.

It must be noted that the waste classification assessment is based on samples of in situ soils and is preliminary only as the number of samples tested may not be representative of the total volume of waste soils. Once soils for disposal have been identified, further testing of these specific soils must be undertaken in order to confirm the above assessment.

Conclusions

In accordance with the Client's instruction, Geo-Environmental undertook a site investigation comprising 7 No hand pits to 0.5m bgl. Exceedances were identified against Allotment End Use threshold criteria for the protection of human health in regard to Barium, Lead and Benzo(a)pyrene. A statistical assessment was undertaken, and the replacement of Topsoil with certified clean growing media deemed necessary over the area of proposed Allotments to protect human health against Lead and Benzo(a)pyrene.

Whilst an intrusive investigation has been undertaken on the site, it remains possible that unexpected ground and/or groundwater conditions may be encountered during the process of construction. A Discovery strategy should be in place throughout works on-site.

We trust that the above satisfies your requirements. However, should you have any queries, please do not hesitate to contact the undersigned.

Yours sincerely
For and on Behalf of GESL

TOM GRACE BSc (Hons) MSc
SENIOR CONSULTING ENGINEER

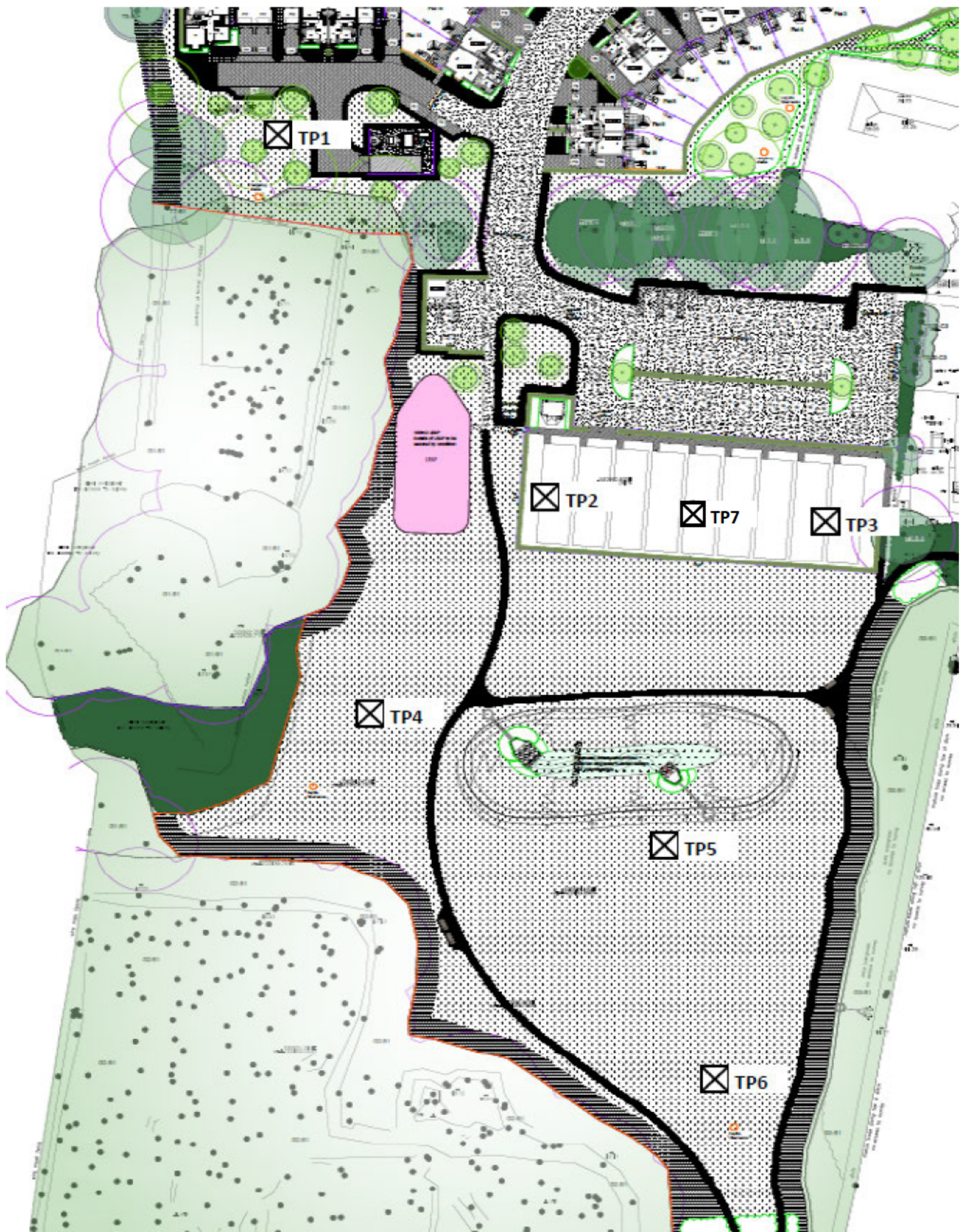
Encs.

- Figure 2 – Site Investigation Plan
- Stratigraphic Logs
- Chemical Analysis (Report No: 26-043142)
- HazWasteOnline Report

Appendix A

Figures





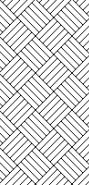
Project:		Station Road, Cowfold		Title	Hand-Pit Location Plan	
Client:		Devine Homes Limited		Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net		 Geo-Environme
Ref No:	GE24016	Revision:	1			
Drawn:	TG	Date:	05.08.2026			
Figure:	1	Scale:	nts			



Appendix B

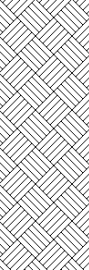
Stratagraphic Logs



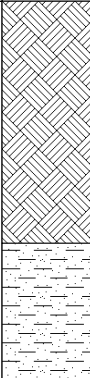
Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP1 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 520963.00 E - 122633.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m):		0.30 0.30		Scale 1:10
Client: Devine Homes Limited				Depth 0.50		0.30		Logged TG
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	PP=4 kPa	0.25			Light brown sandy CLAY. Sand is fine to medium. Rootlets throughout. TOPSOIL	
	0.40	ES					Hard light brown orangish brown mottled sandy CLAY. Sand is fine. Root at 0.3m bgl. Occasional rootlets. WEALD CLAY	
	0.50	PP		0.50			End of Pit at 0.500m	
Water Strikes		Remarks ///grew.outline.brimmed						
Depth Strikes		Stability Sides stable						

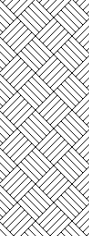


Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP2 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 521004.00 E - 122565.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m): Depth 0.50			0.30 	Scale 1:10 Logged TG
Client: Devine Homes Limited								
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES					Brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine sub angular chert. Brick fragment at 0.25m bgl. TOPSOIL	
	0.40	ES		0.33			Hard light brown orangish brown mottled sandy CLAY. Sand is fine. Occasional rootlets. WEALD CLAY	
	0.50	PP	PP=4 kPa	0.50			End of Pit at 0.500m	
Depth Strike		Water Strike		Remarks ///user.unhappily.dote				
				Stability Sides stable				
								

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP3 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 521034.00 E - 122556.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m): 0.30 0.30			Scale 1:10	
Client: Devine Homes Limited				Depth 0.50			Logged TG	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	PP=4 kPa	0.36 0.50		 	Brown sandy CLAY. Rare fine sub angular flint gravel. Rare brick fragments. Rootlets throughout. TOPSOIL	
	0.40	ES					Hard greyish brown orangish brown mottled slightly sandy CLAY. Sand is fine to medium. WEALD CLAY	
	0.50	PP					End of Pit at 0.500m	
Depth Strike		Water Strikes		Remarks ///debating.direct.daydreams				
				Stability Sides stable				



Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log				TrialPit No TP4 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 520954.00 E - 122521.00 N Level:		Date 05/08/2026	
Location : RH13 8DA						Dimensions (m): 0.30		Scale 1:10	
Client: Devine Homes Limited						Depth 0.50		Logged TG	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.10	ES	PP=5 kPa	0.32	0.50		Light brown sandy CLAY. Sand is fine to medium. Rootlets throughout. Rare brick fragments. Glass fragment at 0.2m bgl. TOPSOIL		
	0.40	ES					Hard light greyish brown sandy CLAY. Sand is fine WEALD CLAY		
	0.50	PP					End of Pit at 0.500m		
Water Struck		Remarks ///maybe.courtyard.pacifist							
Depth Strike		Stability Sides stable							

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP5 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 521011.00 E - 122502.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m): 0.30 0.30			Scale 1:10	
Client: Devine Homes Limited				Depth 0.50			Logged TG	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	PP=5 kPa	0.32			Light brown sandy CLAY. Sand is fine to medium. Rootlets throughout. TOPSOIL	
	0.40	ES					Hard light greyish brown orangish brown mottled slightly sandy CLAY. Sand is fine. WEALD CLAY	
	0.50	PP		0.50			End of Pit at 0.500m	
								1
								2
Depth Strike		Remarks		///eradicate.harps.palace				
Stability		Sides stable						
								

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP6 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 521016.00 E - 122433.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m): Depth 0.50			0.30 	Scale 1:10 Logged TG
Client: Devine Homes Limited								
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	PP=4 kPa	0.31			Light brown sandy CLAY. Sand is fine to medium. Rootlets throughout. TOPSOIL	
	0.40	ES					Hard light greyish brown orangish brown mottled slightly sandy CLAY. Sand is fine. WEALD CLAY	
	0.50	PP		0.50		End of Pit at 0.500m		
1								
2								
Water Strikes		Remarks ///remember.link.endlessly						
Depth Strikes		Stability Sides stable						

Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Trial Pit Log			TrialPit No TP7 Sheet 1 of 1	
Project Name: Station Road, Cowfold				Project No. GE24016		Co-ords: 521019.00 E - 122550.00 N Level:		Date 05/08/2026
Location : RH13 8DA				Dimensions (m): Depth 0.50		0.30		Scale 1:10
Client: Devine Homes Limited						0.30		Logged TG
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES					Brown sandy CLAY. Sand is fine to medium. Rootlets throughout. Rare fine sub angular chert gravel. TOPSOIL	
	0.40	ES		0.36			Hard light brown orangish brown mottled slightly sandy CLAY. Sand is fine. WEALD CLAY	
	0.50	PP	PP=5 kPa	0.50			End of Pit at 0.500m	
Water Strike		Remarks ///cabbies.speeded.putts						
Depth Strike		Stability Sides stable						



Appendix C

Chemical Analysis



Geo-Environmental Services Ltd
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Hurstpierpoint
West Sussex
BN6 9GL

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

t: [REDACTED]

t: 01923 225404

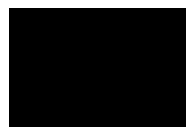
e: [REDACTED]

f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-043142

Project / Site name:	Station Road, Cowfold	Samples received on:	07/08/2026
Your job number:	GE24016	Samples instructed on/ Analysis started on:	07/08/2026
Your order number:	PO-10166	Analysis completed by:	17/08/2026
Report Issue Number:	1	Report issued on:	17/08/2026
Samples Analysed:	9 soil samples		



Signed:

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

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

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

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

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

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

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

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

Analytical Report Number: 26-043142
Project / Site name: Station Road, Cowfold
Your Order No: PO-10166

Lab Sample Number	1008868	1008869	1008870	1008871	1008872
Sample Reference	TP1	TP2	TP3	TP4	TP5
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10	0.10
Date Sampled	05/08/2026	05/08/2026	05/08/2026	05/08/2026	05/08/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	9.7	8	6.9	13
Total mass of sample received	kg	0.1	NONE	1.3	1	1	1	1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	KWB	KWB	KWB	KWB
Analysis completed	N/A	N/A	N/A	-	13/08/2026	13/08/2026	13/08/2026	13/08/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	-	8	7	6.9	6.9
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	700	570	450	390
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	29	35	29	27
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	14.4	17.6	14.3	13.3
Sulphide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	-	2.6	5.2	6.4	4.9
Elemental Sulphur	mg/kg	5	MCERTS	-	15	< 5.0	< 5.0	< 5.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	3.2	2.8	1.7	1.3

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	0.11	0.09	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	0.58	0.44	0.09	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	0.15	0.1	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	0.21	0.14	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	4.6	2.6	0.34	0.05
Anthracene	mg/kg	0.05	MCERTS	-	1.2	0.71	0.08	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	13	7.3	1.3	0.11
Pyrene	mg/kg	0.05	MCERTS	-	12	6.6	1.2	0.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	6.5	3.8	0.66	0.06
Chrysene	mg/kg	0.05	MCERTS	-	6.9	4	0.79	0.07
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	9.5	5.1	1.2	0.09
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	3.3	2.5	0.35	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	7.8	4.4	0.83	0.07
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	3.7	2.4	0.61	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.84	0.55	0.14	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	4.2	2.7	0.71	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	75.3	43.4	8.24	< 0.80
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Analytical Report Number: 26-043142
Project / Site name: Station Road, Cowfold
Your Order No: PO-10166

Lab Sample Number	1008868	1008869	1008870	1008871	1008872
Sample Reference	TP1	TP2	TP3	TP4	TP5
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10	0.10
Date Sampled	05/08/2026	05/08/2026	05/08/2026	05/08/2026	05/08/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	15	20	9.9	11
Barium (aqua regia extractable)	mg/kg	1	MCERTS	100	160	350	92	89
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.3	1.6	2	0.92	1
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	0.7	2.8	1.5	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	0.5	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	U/S ^{U/S} g	U/S ^{U/S} g	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	< 1.80	< 1.80	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37	34	32	22	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25	45	52	28	20
Lead (aqua regia extractable)	mg/kg	1	MCERTS	51	200	320	93	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	21	24	15	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.7	1.3	< 1.0	< 1.0	1.8
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	58	51	53	33	41
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	80	210	350	140	75

Petroleum Hydrocarbons

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

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	-	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	22	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	62	32	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_ID_AR}	mg/kg	8.4	NONE	-	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	83	32	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	83	32	< 10	< 10

VOCs

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

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

Analytical Report Number: 26-043142
Project / Site name: Station Road, Cowfold
Your Order No: PO-10166

Lab Sample Number	1008873	1008874	1008875	1008876
Sample Reference	TP5	TP6	TP7	TP7
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.40	0.10	0.10	0.40
Date Sampled	05/08/2026	05/08/2026	05/08/2026	05/08/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	6.5	8.2	10
Total mass of sample received	kg	0.1	NONE	0.8	1	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KWB	KWB	KWB	KWB
Analysis completed	N/A	N/A	N/A	13/08/2026	13/08/2026	13/08/2026	13/08/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7	7.1	7.5	7.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	200	460	540	220
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	5.4	22	31	14
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	2.72	10.9	15.4	6.88
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	7.2	3.9	7	4.5
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.4	1.5	2.5	0.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.47	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.07	1.6	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.06	1.5	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.84	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.93	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.07	1.2	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.46	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.88	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.41	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.55	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	9.03	< 0.80
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Analytical Report Number: 26-043142
Project / Site name: Station Road, Cowfold
Your Order No: PO-10166

Lab Sample Number	1008873	1008874	1008875	1008876
Sample Reference	TP5	TP6	TP7	TP7
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.40	0.10	0.10	0.40
Date Sampled	05/08/2026	05/08/2026	05/08/2026	05/08/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.7	12	15	7.4
Barium (aqua regia extractable)	mg/kg	1	MCERTS	76	74	150	74
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.1	0.92	1.8	1.1
Boron (water soluble)	mg/kg	0.2	MCERTS	1.1	1.1	2	1.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37	24	30	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	18	62	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	40	270	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	15	22	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.4	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	53	39	50	52
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	62	61	160	71

Petroleum Hydrocarbons

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

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

VOCs

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

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

Analytical Report Number : 26-043142

Project / Site name: Station Road, Cowfold

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1008868	TP1	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
1008869	TP2	None Supplied	0.1	Brown sandy loam with gravel and vegetation
1008870	TP3	None Supplied	0.1	Brown sandy loam with gravel and vegetation
1008871	TP4	None Supplied	0.1	Light brown sand with gravel and vegetation
1008872	TP5	None Supplied	0.1	Light brown sand with gravel and vegetation
1008873	TP5	None Supplied	0.4	Brown clay and sand with gravel
1008874	TP6	None Supplied	0.1	Light brown sand with gravel and vegetation
1008875	TP7	None Supplied	0.1	Brown sandy loam with gravel and vegetation
1008876	TP7	None Supplied	0.4	Brown clay and sand with gravel

Analytical Report Number : 26-043142

Project / Site name: Station Road, Cowfold

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Total sulphate (as SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS

Analytical Report Number : 26-043142

Project / Site name: Station Road, Cowfold

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

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

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

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

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

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

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

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

The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

Analytical Report Number : 26-043142

Project / Site name: Station Road, Cowfold

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP3	N/A	S	1008870	b	BTEX and/or Volatile organic compounds in soil	L073B	b
TP3	N/A	S	1008870	b	Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	L088-PL	b
TP6	N/A	S	1008874	b	BTEX and/or Volatile organic compounds in soil	L073B	b
TP6	N/A	S	1008874	b	Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	L088-PL	b

Appendix D

HazWasteOnline Report



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)



LVEMC-HWZDH-TWEKT

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

Report is invalid if pages are removed.

Job name

GE24016 Waste Soils Assessment

Description/Comments

Based on i2 Analytical Report Number: 26-043142-1

Project

GE24016

Site

Station Road, Cowfold

Classified by

Name: **Shaun Armitage**
 Date: **18 Aug 2026 09:01 GMT**
 Telephone: **07821448751**
 Company: **Geo-Environmental Services**
Unit 7, Danworth Farm, Cuckfield Rd
Hurstpierpoint
BN6 9GL

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:

CERTIFIED

Course
 Hazardous Waste Classification
 Most recent 3 year Refresher

Date
 09 Jun 2022
 03 Jun 2025

Next 3 year Refresher due by Jun 2028

Purpose of classification

2 - Material Characterisation

Address of the waste

Station Road, Cowfold, Horsham

Post Code **N/A**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Two grass fields, the proposed end use is a residential development with an area of public open space and allotments

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

Waste created from excavations for construction of the above proposed development

Description of the waste

Clay based Topsoil, clay based natural soils

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP2--05082026-0.10	0.10	Non Hazardous		3
2	TP3--05082026-0.10	0.10	Non Hazardous		6
3	TP4--05082026-0.10	0.10	Non Hazardous		9
4	TP5--05082026-0.10	0.10	Non Hazardous		12
5	TP5--05082026-0.40	0.40	Non Hazardous		15
6	TP6--05082026-0.10	0.10	Non Hazardous		18
7	TP7--05082026-0.10	0.10	Non Hazardous		21
8	TP7--05082026-0.40	0.40	Non Hazardous		24

Related documents

#	Name	Description
1	26-043142_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	GESL Soils Waste Stream Template	waste stream template used to create this Job

Report

Created by: Shaun Armitage

Created date: 18 Aug 2026 09:01 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	27
Appendix B: Rationale for selection of metal species	28
Appendix C: Version	29

Classification of sample: TP2--05082026-0.10

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

Sample details

Sample name:	TP2--05082026-0.10	LoW Code:	
Sample Depth:	0.10 m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	9.7% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.7% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				15 mg/kg	1.32	17.884 mg/kg	0.00179 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium diboron tetraoxide }				160 mg/kg	1.623	234.559 mg/kg	0.0235 %	✓		
	056-005-00-3	237-222-4	13701-59-2								
3	beryllium { beryllium oxide }				1.6 mg/kg	2.775	4.01 mg/kg	0.000401 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				0.7 mg/kg	3.22	2.035 mg/kg	0.000204 %	✓		
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.309 mg/kg	0.0000309 %	✓		
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	44.873 mg/kg	0.00449 %	✓		
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				45 mg/kg	1.126	45.75 mg/kg	0.00458 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	200 mg/kg	1.56	281.703 mg/kg	0.0181 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				21 mg/kg	2.976	56.439 mg/kg	0.00564 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				1.3 mg/kg	2.554	2.998 mg/kg	0.0003 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				51 mg/kg	1.785	82.213 mg/kg	0.00822 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				210 mg/kg	2.774	526.061 mg/kg	0.0526 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group		TPH		83 mg/kg		74.949 mg/kg	0.00749 %	✓		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	xylene 601-022-00-9	215-535-7	1330-20-7		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
22	pH PH				8 pH		8 pH	8pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		0.11 mg/kg		0.0993 mg/kg	0.00000993 %		✓	
24	acenaphthylene 205-917-1	208-96-8			0.58 mg/kg		0.524 mg/kg	0.0000524 %		✓	
25	acenaphthene 201-469-6	83-32-9			0.15 mg/kg		0.135 mg/kg	0.0000135 %		✓	
26	fluorene 201-695-5	86-73-7			0.21 mg/kg		0.19 mg/kg	0.000019 %		✓	
27	phenanthrene 201-581-5	85-01-8			4.6 mg/kg		4.154 mg/kg	0.000415 %		✓	
28	anthracene 204-371-1	120-12-7			1.2 mg/kg		1.084 mg/kg	0.000108 %		✓	
29	fluoranthene 205-912-4	206-44-0			13 mg/kg		11.739 mg/kg	0.00117 %		✓	
30	pyrene 204-927-3	129-00-0			12 mg/kg		10.836 mg/kg	0.00108 %		✓	
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		6.5 mg/kg		5.869 mg/kg	0.000587 %		✓	
32	chrysene 601-048-00-0	205-923-4	218-01-9		6.9 mg/kg		6.231 mg/kg	0.000623 %		✓	
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		9.5 mg/kg		8.579 mg/kg	0.000858 %		✓	
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.3 mg/kg		2.98 mg/kg	0.000298 %		✓	
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		7.8 mg/kg		7.043 mg/kg	0.000704 %		✓	
36	indeno[123-cd]pyrene 205-893-2	193-39-5			3.7 mg/kg		3.341 mg/kg	0.000334 %		✓	
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.84 mg/kg		0.759 mg/kg	0.0000759 %		✓	
38	benzo[ghi]perylene 205-883-8	191-24-2			4.2 mg/kg		3.793 mg/kg	0.000379 %		✓	
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		15 mg/kg	3.211	43.497 mg/kg	0.00435 %		✓	
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.138 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00749%)

Classification of sample: TP3--05082026-0.10

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

Sample details

Sample name:	LoW Code:	
TP3--05082026-0.10	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)
0.10 m		
Moisture content:		
8%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				20 mg/kg	1.32	24.294 mg/kg	0.00243 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium diboron tetraoxide }				350 mg/kg	1.623	522.758 mg/kg	0.0523 %	✓		
	056-005-00-3	237-222-4	13701-59-2								
3	beryllium { beryllium oxide }				2 mg/kg	2.775	5.107 mg/kg	0.000511 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				2.8 mg/kg	3.22	8.294 mg/kg	0.000829 %	✓		
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.525 mg/kg	0.0000525 %	✓		
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				32 mg/kg	1.462	43.028 mg/kg	0.0043 %	✓		
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				52 mg/kg	1.126	53.862 mg/kg	0.00539 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	320 mg/kg	1.56	459.21 mg/kg	0.0294 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				24 mg/kg	2.976	65.716 mg/kg	0.00657 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				53 mg/kg	1.785	87.046 mg/kg	0.0087 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				350 mg/kg	2.774	893.275 mg/kg	0.0893 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group				32 mg/kg		29.44 mg/kg	0.00294 %	✓		
			TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				7 pH		7 pH	7pH		
			PH							
23	naphthalene				0.09 mg/kg		0.0828 mg/kg	0.00000828 %	✓	
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				0.44 mg/kg		0.405 mg/kg	0.0000405 %	✓	
		205-917-1	208-96-8							
25	acenaphthene				0.1 mg/kg		0.092 mg/kg	0.0000092 %	✓	
		201-469-6	83-32-9							
26	fluorene				0.14 mg/kg		0.129 mg/kg	0.0000129 %	✓	
		201-695-5	86-73-7							
27	phenanthrene				2.6 mg/kg		2.392 mg/kg	0.000239 %	✓	
		201-581-5	85-01-8							
28	anthracene				0.71 mg/kg		0.653 mg/kg	0.0000653 %	✓	
		204-371-1	120-12-7							
29	fluoranthene				7.3 mg/kg		6.716 mg/kg	0.000672 %	✓	
		205-912-4	206-44-0							
30	pyrene				6.6 mg/kg		6.072 mg/kg	0.000607 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				3.8 mg/kg		3.496 mg/kg	0.00035 %	✓	
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				4 mg/kg		3.68 mg/kg	0.000368 %	✓	
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				5.1 mg/kg		4.692 mg/kg	0.000469 %	✓	
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				2.5 mg/kg		2.3 mg/kg	0.00023 %	✓	
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				4.4 mg/kg		4.048 mg/kg	0.000405 %	✓	
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				2.4 mg/kg		2.208 mg/kg	0.000221 %	✓	
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				0.55 mg/kg		0.506 mg/kg	0.0000506 %	✓	
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				2.7 mg/kg		2.484 mg/kg	0.000248 %	✓	
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.207 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00294%)

Classification of sample: TP4--05082026-0.10

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

Sample details

Sample name:	TP4--05082026-0.10	LoW Code:	
Sample Depth:	0.10 m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	6.9% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				9.9 mg/kg	1.32	12.169 mg/kg	0.00122 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium diboron tetraoxide }				92 mg/kg	1.623	139.054 mg/kg	0.0139 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
3	beryllium { beryllium oxide }				0.92 mg/kg	2.775	2.377 mg/kg	0.000238 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.5 mg/kg	3.22	4.497 mg/kg	0.00045 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	29.936 mg/kg	0.00299 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				28 mg/kg	1.126	29.35 mg/kg	0.00293 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	93 mg/kg	1.56	135.053 mg/kg	0.00866 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				15 mg/kg	2.976	41.564 mg/kg	0.00416 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				33 mg/kg	1.785	54.846 mg/kg	0.00548 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				140 mg/kg	2.774	361.582 mg/kg	0.0362 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	xylene 601-022-00-9	215-535-7	1330-20-7		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
21	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
22	pH PH				6.9 pH		6.9 pH	6.9 pH		
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	acenaphthylene 205-917-1	208-96-8			0.09 mg/kg		0.0838 mg/kg	0.00000838 %	✓	
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	phenanthrene 201-581-5	85-01-8			0.34 mg/kg		0.317 mg/kg	0.0000317 %	✓	
28	anthracene 204-371-1	120-12-7			0.08 mg/kg		0.0745 mg/kg	0.00000745 %	✓	
29	fluoranthene 205-912-4	206-44-0			1.3 mg/kg		1.21 mg/kg	0.000121 %	✓	
30	pyrene 204-927-3	129-00-0			1.2 mg/kg		1.117 mg/kg	0.000112 %	✓	
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.66 mg/kg		0.614 mg/kg	0.0000614 %	✓	
32	chrysene 601-048-00-0	205-923-4	218-01-9		0.79 mg/kg		0.735 mg/kg	0.0000735 %	✓	
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		1.2 mg/kg		1.117 mg/kg	0.000112 %	✓	
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.35 mg/kg		0.326 mg/kg	0.0000326 %	✓	
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.83 mg/kg		0.773 mg/kg	0.0000773 %	✓	
36	indeno[123-cd]pyrene 205-893-2	193-39-5			0.61 mg/kg		0.568 mg/kg	0.0000568 %	✓	
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.14 mg/kg		0.13 mg/kg	0.000013 %	✓	
38	benzo[ghi]perylene 205-883-8	191-24-2			0.71 mg/kg		0.661 mg/kg	0.0000661 %	✓	
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.077 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Classification of sample: TP5--05082026-0.10

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

Sample details

Sample name:	LoW Code:	
TP5--05082026-0.10	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)
0.10 m		
Moisture content:		
13%		
(wet weight correction)		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	12.636 mg/kg	0.00126 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium diboron tetraoxide }				89 mg/kg	1.623	125.705 mg/kg	0.0126 %	✓		
	056-005-00-3	237-222-4	13701-59-2								
3	beryllium { beryllium oxide }				1 mg/kg	2.775	2.415 mg/kg	0.000241 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				1.2 mg/kg	3.22	3.362 mg/kg	0.000336 %	✓		
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	33.06 mg/kg	0.00331 %	✓		
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	19.59 mg/kg	0.00196 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	40 mg/kg	1.56	54.282 mg/kg	0.00348 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				16 mg/kg	2.976	41.43 mg/kg	0.00414 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				1.8 mg/kg	2.554	3.999 mg/kg	0.0004 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				41 mg/kg	1.785	63.678 mg/kg	0.00637 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				75 mg/kg	2.774	181.013 mg/kg	0.0181 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %			<LOD
			TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				6.9 pH		6.9 pH	6.9 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				0.05 mg/kg		0.0435 mg/kg	0.00000435 %	✓	
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.11 mg/kg		0.0957 mg/kg	0.00000957 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.1 mg/kg		0.087 mg/kg	0.0000087 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				0.06 mg/kg		0.0522 mg/kg	0.00000522 %	✓	
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				0.07 mg/kg		0.0609 mg/kg	0.00000609 %	✓	
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				0.09 mg/kg		0.0783 mg/kg	0.00000783 %	✓	
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				0.07 mg/kg		0.0609 mg/kg	0.00000609 %	✓	
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0522 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Classification of sample: TP5--05082026-0.40

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

Sample details

Sample name:	LoW Code:	
TP5--05082026-0.40	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)
0.40 m		
Moisture content:		
11%		
(wet weight correction)		

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				7.7	mg/kg	1.32	9.048	mg/kg	0.000905 %	✓	
	033-003-00-0	215-481-4	1327-53-3										
2		barium { barium diboron tetraoxide }				76	mg/kg	1.623	109.812	mg/kg	0.011 %	✓	
	056-005-00-3	237-222-4	13701-59-2										
3		beryllium { beryllium oxide }				1.1	mg/kg	2.775	2.717	mg/kg	0.000272 %	✓	
	004-003-00-8	215-133-1	1304-56-9										
4		boron { diboron trioxide }				1.1	mg/kg	3.22	3.152	mg/kg	0.000315 %	✓	
	005-008-00-8	215-125-8	1303-86-2										
5		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0										
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				37	mg/kg	1.462	48.129	mg/kg	0.00481 %	✓	
		215-160-9	1308-38-9										
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8												
8		copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	23.047	mg/kg	0.0023 %	✓	
	029-002-00-X	215-270-7	1317-39-1										
9		lead { lead chromate }			1	21	mg/kg	1.56	29.153	mg/kg	0.00187 %	✓	
	082-004-00-2	231-846-0	7758-97-6										
10		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7										
11		nickel { nickel chromate }				18	mg/kg	2.976	47.68	mg/kg	0.00477 %	✓	
	028-035-00-7	238-766-5	14721-18-7										
12		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5										
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	84.207	mg/kg	0.00842 %	✓	
	023-001-00-8	215-239-8	1314-62-1										
14		zinc { zinc chromate }				62	mg/kg	2.774	153.077	mg/kg	0.0153 %	✓	
	024-007-00-3	236-878-9	13530-65-9										
15		TPH (C6 to C40) petroleum group				<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
			TPH										

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4										
17		benzene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2										
18		toluene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3										
19	●	ethylbenzene				<0.005 mg/kg			<0.005 mg/kg		<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4										
20		xylene				<0.013 mg/kg			<0.013 mg/kg		<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7										
21	🧪	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 }				<1 mg/kg		1.884	<1.884 mg/kg		<0.000188 %		<LOD
	006-007-00-5												
22	●	pH				7 pH			7 pH		7pH		
				PH									
23		naphthalene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3										
24	●	acenaphthylene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		205-917-1	208-96-8										
25	●	acenaphthene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		201-469-6	83-32-9										
26	●	fluorene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		201-695-5	86-73-7										
27	●	phenanthrene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		201-581-5	85-01-8										
28	●	anthracene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		204-371-1	120-12-7										
29	●	fluoranthene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		205-912-4	206-44-0										
30	●	pyrene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		204-927-3	129-00-0										
31		benzo[a]anthracene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3										
32		chrysene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9										
33		benzo[b]fluoranthene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2										
34		benzo[k]fluoranthene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9										
35		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8										
36	●	indeno[123-cd]pyrene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		205-893-2	193-39-5										
37		dibenz[a,h]anthracene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3										
38	●	benzo[ghi]perylene				<0.05 mg/kg			<0.05 mg/kg		<0.000005 %		<LOD
		205-883-8	191-24-2										
39	🧪	sulfur { sulphur dichloride }				<5 mg/kg		3.211	<16.057 mg/kg		<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0										
40	●	monohydric phenols				<1 mg/kg			<1 mg/kg		<0.0001 %		<LOD
			P1186										
Total:												0.05 %	

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Classification of sample: TP6--05082026-0.10

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

Sample details

Sample name:	LoW Code:
TP6--05082026-0.10	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
6.5%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 6.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				12 mg/kg	1.32	14.814 mg/kg	0.00148 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium diboron tetraoxide }				74 mg/kg	1.623	112.328 mg/kg	0.0112 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
3	beryllium { beryllium oxide }				0.92 mg/kg	2.775	2.387 mg/kg	0.000239 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.1 mg/kg	3.22	3.312 mg/kg	0.000331 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	32.797 mg/kg	0.00328 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	18.949 mg/kg	0.00189 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	40 mg/kg	1.56	58.337 mg/kg	0.00374 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				15 mg/kg	2.976	41.742 mg/kg	0.00417 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				1.4 mg/kg	2.554	3.343 mg/kg	0.000334 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				39 mg/kg	1.785	65.097 mg/kg	0.00651 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				61 mg/kg	2.774	158.223 mg/kg	0.0158 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				7.1 pH		7.1 pH	7.1 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				0.07 mg/kg		0.0655 mg/kg	0.00000655 %	✓	
		205-912-4	206-44-0							
30	pyrene				0.06 mg/kg		0.0561 mg/kg	0.00000561 %	✓	
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				0.07 mg/kg		0.0655 mg/kg	0.00000655 %	✓	
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0491 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Classification of sample: TP7--05082026-0.10

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

Sample details

Sample name:	TP7--05082026-0.10	LoW Code:	
Sample Depth:	0.10 m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	8.2% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.2% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	15 mg/kg	1.32	18.181	mg/kg	0.00182 %	✓	
2	 barium { barium diboron tetraoxide }	056-005-00-3	237-222-4	13701-59-2	150 mg/kg	1.623	223.552	mg/kg	0.0224 %	✓	
3	 beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.8 mg/kg	2.775	4.586	mg/kg	0.000459 %	✓	
4	 boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	2 mg/kg	3.22	5.912	mg/kg	0.000591 %	✓	
5	 cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0	0.2 mg/kg	1.142	0.21	mg/kg	0.000021 %	✓	
6	 chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	30 mg/kg	1.462	40.251	mg/kg	0.00403 %	✓	
7	 chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
8	 copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	62 mg/kg	1.126	64.081	mg/kg	0.00641 %	✓	
9	 lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	270 mg/kg	1.56	386.616	mg/kg	0.0248 %	✓	
10	 mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	 nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	22 mg/kg	2.976	60.109	mg/kg	0.00601 %	✓	
12	 selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
13	 vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	50 mg/kg	1.785	81.94	mg/kg	0.00819 %	✓	
14	 zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	160 mg/kg	2.774	407.467	mg/kg	0.0407 %	✓	
15	 TPH (C6 to C40) petroleum group			TPH	<20 mg/kg		<20	mg/kg	<0.002 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	xylene 601-022-00-9	215-535-7	1330-20-7		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
22	pH PH				7.5 pH		7.5 pH	7.5 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			0.07 mg/kg		0.0643 mg/kg	0.00000643 %	✓		
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			0.47 mg/kg		0.431 mg/kg	0.0000431 %	✓		
28	anthracene 204-371-1	120-12-7			0.11 mg/kg		0.101 mg/kg	0.0000101 %	✓		
29	fluoranthene 205-912-4	206-44-0			1.6 mg/kg		1.469 mg/kg	0.000147 %	✓		
30	pyrene 204-927-3	129-00-0			1.5 mg/kg		1.377 mg/kg	0.000138 %	✓		
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.84 mg/kg		0.771 mg/kg	0.0000771 %	✓		
32	chrysene 601-048-00-0	205-923-4	218-01-9		0.93 mg/kg		0.854 mg/kg	0.0000854 %	✓		
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		1.2 mg/kg		1.102 mg/kg	0.00011 %	✓		
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.46 mg/kg		0.422 mg/kg	0.0000422 %	✓		
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.88 mg/kg		0.808 mg/kg	0.0000808 %	✓		
36	indeno[123-cd]pyrene 205-893-2	193-39-5			0.41 mg/kg		0.376 mg/kg	0.0000376 %	✓		
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.1 mg/kg		0.0918 mg/kg	0.00000918 %	✓		
38	benzo[ghi]perylene 205-883-8	191-24-2			0.55 mg/kg		0.505 mg/kg	0.0000505 %	✓		
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.116 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Classification of sample: TP7--05082026-0.40

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

Sample details

Sample name:	LoW Code:
TP7--05082026-0.40	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
10%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.4 mg/kg	1.32	8.793 mg/kg	0.000879 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	barium { barium diboron tetraoxide }				74 mg/kg	1.623	108.123 mg/kg	0.0108 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
3	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.748 mg/kg	0.000275 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
4	boron { diboron trioxide }				1.4 mg/kg	3.22	4.057 mg/kg	0.000406 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
5	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	44.724 mg/kg	0.00447 %	✓	
		215-160-9	1308-38-9							
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
8	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	24.319 mg/kg	0.00243 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
9	lead { lead chromate }			1	29 mg/kg	1.56	40.711 mg/kg	0.00261 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
11	nickel { nickel chromate }				16 mg/kg	2.976	42.858 mg/kg	0.00429 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				52 mg/kg	1.785	83.547 mg/kg	0.00835 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
14	zinc { zinc chromate }				71 mg/kg	2.774	177.268 mg/kg	0.0177 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
15	TPH (C6 to C40) petroleum group				<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
			TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
	601-022-00-9	215-535-7	1330-20-7							
21	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
22	pH				7.8 pH		7.8 pH	7.8 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0523 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 80 mg/kg (0.008%)
 because: Concentration not high enough to be flammable; sample is a non-liquid

Hazard Statements hit:

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

Because of determinand:

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

Because of determinand:

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from 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

■ **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

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

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ **pH** (CAS Number: PH)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP.
 Monohydric Phenol refers to a group of phenolic compounds that include phenol, the three methylphenol isomers (cresols) and the six di methylphenol isomers.
 (CLP Index: 604-001-00-2, 604-004-00-9, 604-006-00-X)
 Data source: Group Entry combining three CLP entries
 Data source date: 18 May 2026
 Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 3; H331 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Muta. 2; H341 , STOT RE 2; H373 , Aquatic Chronic 2; H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

barium {barium diboron tetraoxide}

There isn't enough barium and Cr(VI) to make barium chromate; next worst case species selected

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case

compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

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

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

Worst case species based on hazard statements/molecular weight

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. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species selected

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

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]

sulfur {sulphur dichloride}

Worst case species selected

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2026.223.7324.7700c83 (11 Aug 2026)

HazWasteOnline Database: 2026.223.7324.7700c83 (11 Aug 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