A46 Newark Bypass

TR010065/APP/6.3

6.3 Environmental Statement

Appendix 9.2 Contaminated Land Risk Assessment

Part 6

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Volume 6

April 2024

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

APPENDIX 9.2 CONTAMINATED LAND RISK ASSESSMENT

PART 6

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010065
Application Document Reference	TR010065/APP/6.3
Author:	A46 Newark Bypass Project Team, National Highways

Version	Date	Status of Version
Rev 1	April 2024	DCO Application

Contents

Appendix D: Factual reports
Appendix E: Summary tables
Appendix F: Drawings
Appendix G: GIR
Appendix H: HazWasteOnline™

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. For dried and crushed preparations of soils volatile loss may occur e.g volatile mercury.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17 Data retention. All records, communications and reports pertaining to the analysis are archived for seven years from the date of issue of the final report.

18. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as “mixed hydrocarbons”. Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

19. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

20. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2021), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as “Not detected”. If no asbestos fibre types are found all will be reported as “Not detected” and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials and soils are obtained from supplied bulk materials andd soils which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2021).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
[redacted]

Tetra Tech Europe
Newstead Court
Little Oak Drive
Nottingham
Nottinghamshire
NG15 0DR

Attention: Julian Carr

CERTIFICATE OF ANALYSIS

Date of report Generation:	16 March 2022
Customer:	Tetra Tech Europe
Sample Delivery Group (SDG):	220309-77
Your Reference:	784-B026948
Location:	A46 Newark Northern Bypass
Report No:	637833
Order Number:	7001649

We received 6 samples on Wednesday March 09, 2022 and 6 of these samples were scheduled for analysis which was completed on Wednesday March 16, 2022. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden.

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

[redacted]

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
25938330	SW1	EW1	0.00 - 0.00	07/03/2022
25938342	SW2	EW1	0.00 - 0.00	07/03/2022
25938352	SW3	EW1	0.00 - 0.00	07/03/2022
25938362	SW4	EW1	0.00 - 0.00	07/03/2022
25938373	SW5	EW1	0.00 - 0.00	07/03/2022
25938385	SW6	EW1	0.00 - 0.00	07/03/2022

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
			25938330	SW1	EW1	0.00 - 0.00	250ml Amber Gl. PTFE/PE	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
							HNO3 Unfiltered (ALE204)	SW
							NaOH (ALE245)	SW
							Vial (ALE297)	SW
			25938342	SW2	EW1	0.00 - 0.00	250ml Amber Gl. PTFE/PE	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
							HNO3 Filtered (ALE204)	SW
							NaOH (ALE245)	SW
							Vial (ALE297)	SW
			25938352	SW3	EW1	0.00 - 0.00	250ml Amber Gl. PTFE/PE	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
							HNO3 Filtered (ALE204)	SW
							NaOH (ALE245)	SW
							Vial (ALE297)	SW
			25938362	SW4	EW1	0.00 - 0.00	250ml Amber Gl. PTFE/PE	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
Ammonium Low	All	NDPs: 0 Tests: 6			X			X			X					X					X				X
Anions by Kone (w)	All	NDPs: 0 Tests: 6		X						X						X						X			
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 6					X						X							X						
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 6		X								X							X							
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 6	X						X							X							X			
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 6	X						X							X							X			
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 6	X						X							X							X			
GRO by GC-FID (W)	All	NDPs: 0 Tests: 6						X							X							X				
Hexavalent Chromium (w)	All	NDPs: 0 Tests: 6		X						X						X							X			
Mercury Dissolved	All	NDPs: 0 Tests: 6		X								X							X							
PAH Spec MS - Aqueous (W)	All	NDPs: 0 Tests: 6	X						X							X							X			
pH Value	All	NDPs: 0 Tests: 6		X						X						X							X			
Phenols by HPLC (W)	All	NDPs: 0 Tests: 6			X						X							X								X
Sulphide	All	NDPs: 0 Tests: 6		X						X						X							X			
Total Metals by ICP-MS	All	NDPs: 0 Tests: 6				X				X						X							X			

25938385	SW6	EW1	0.00 - 0.00	Vial (ALE297)	SW								X								
				NaOH (ALE245)	SW			X													
				HNO3 Filtered (ALE204)	SW				X						X						
				H2SO4 (ALE244)	SW	X													X		
				500ml Plastic (ALE208)	SW		X								X			X		X	X
				250ml Amber Gl. PTFE/PE	SW					X	X	X				X					
25938373	SW5	EW1	0.00 - 0.00	Vial (ALE297)	SW								X								
				NaOH (ALE245)	SW			X													
				HNO3 Filtered (ALE204)	SW				X						X						
				H2SO4 (ALE244)	SW	X													X		
				500ml Plastic (ALE208)	SW		X								X			X		X	X
				250ml Amber Gl. PTFE/PE	SW					X	X	X				X					
25938362	SW4	EW1	0.00 - 0.00	Vial (ALE297)	SW								X								
				NaOH (ALE245)	SW			X													
				HNO3 Filtered (ALE204)	SW				X						X						

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
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TS - Treated Sewage
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RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)								25938330								25938342								25938352								25938362			
Customer Sample Reference								SW1								SW2								SW3								SW4			
AGS Reference								EW1								EW1								EW1								EW1			
Depth (m)								0.00 - 0.00								0.00 - 0.00								0.00 - 0.00								0.00 - 0.00			
Container	250ml Amber Gl. PTFE/PE	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Unfiltered (ALE204)	NaOH (ALE245)	Vial (ALE297)	250ml Amber Gl. PTFE/PE	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	250ml Amber Gl. PTFE/PE	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	250ml Amber Gl. PTFE/PE	500ml Plastic (ALE208)	H2SO4 (ALE244)										
Sample Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW										
TPH CWG (W)	All	NDPs: 0 Tests: 6						X						X						X											

25938385	SW6	EW1	0.00 - 0.00	Vial (ALE297)	SW		
				NaOH (ALE245)	SW		
				HNO3 Filtered (ALE204)	SW		
				H2SO4 (ALE244)	SW		
				500ml Plastic (ALE208)	SW		
				250ml Amber Gl. PTFE/PE	SW		X
25938373	SW5	EW1	0.00 - 0.00	Vial (ALE297)	SW		
				NaOH (ALE245)	SW		
				HNO3 Filtered (ALE204)	SW		
				H2SO4 (ALE244)	SW		
				500ml Plastic (ALE208)	SW		
				250ml Amber Gl. PTFE/PE	SW		X
25938362	SW4	EW1	0.00 - 0.00	Vial (ALE297)	SW		
				NaOH (ALE245)	SW		
				HNO3 Filtered (ALE204)	SW		

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	SW1	SW2	SW3	SW4	SW5	SW6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022
			Sampled Time	.	.	.	.	.	.
			Date Received	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022
			SDG Ref	220309-77	220309-77	220309-77	220309-77	220309-77	220309-77
			Lab Sample No.(s)	25938330	25938342	25938352	25938362	25938373	25938385
			AGS Reference	EW1	EW1	EW1	EW1	EW1	EW1
Carbon, Organic (diss.filt)	<3 mg/l	TM090		6.86	6.33	6.75	6.73	6.62	6.86
Ammoniacal Nitrogen as N (low level)	<0.01 mg/l	TM099		0.174 #	0.164 #	0.17 #	0.159 #	0.162 #	0.17 #
Ammoniacal Nitrogen Low as NH4	<0.01 mg/l	TM099		0.224 #	0.21 #	0.219 #	0.204 #	0.209 #	0.218 #
Sulphide	<0.01 mg/l	TM101		<0.01 2	<0.01 2	<0.01 2	<0.01 2	<0.01 2	<0.01 2
Arsenic (diss.filt)	<0.5 µg/l	TM152		1.2 2 #	1.63 #	1.42 #	1.46 #	1.37 #	1.29 #
Boron (diss.filt)	<10 µg/l	TM152		91.6 2 #	90.1 #	90.4 #	90.7 #	92.1 #	89.9 #
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 2 #	0.204 #	0.128 #	0.169 #	0.121 #	0.122 #
Chromium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 #	<1 #	<1 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152		3.73 2 #	5.86 #	4.47 #	4.82 #	4.48 #	4.45 #
Lead (diss.filt)	<0.2 µg/l	TM152		<0.2 2 #	9.8 #	3.85 #	4.46 #	3.29 #	3.24 #
Manganese (diss.filt)	<3 µg/l	TM152		15.6 2 #	63.4 #	53.8 #	54.9 #	42.2 #	41.4 #
Nickel (diss.filt)	<0.4 µg/l	TM152		3.22 2 #	3.59 #	3.14 #	3.18 #	3.15 #	3.27 #
Selenium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vanadium (diss.filt)	<1 µg/l	TM152		1.06 2 #	2.24 #	1.64 #	1.73 #	1.9 #	1.5 #
Zinc (diss.filt)	<1 µg/l	TM152		12.4 2 #	29.2 #	21.4 #	23.2 #	19.3 #	19.5 #
Calcium (Dis.Filt)	<0.2 mg/l	TM152		97.9 2 #	96.1 #	96.8 #	96 #	96.3 #	96.1 #
Iron (Dis.Filt)	<0.019 mg/l	TM152		<0.019 2 #	0.681 #	0.352 #	0.447 #	0.366 #	0.354 #
Hardness, Total as CaCO3 unfiltered	<0.35 mg/l	TM152		325	320 2	324 2	319 2	314 2	329 2
Mercury (diss.filt)	<0.01 µg/l	TM183		<0.01 2	0.0147	0.0142	0.0152	0.0137	0.0136
Sulphate	<2 mg/l	TM184		132 #	132 #	134 #	132 #	132 #	132 #
Nitrate as NO3	<0.3 mg/l	TM184		30.6	30.6	30.6	30.4	29.5	30.5
Cyanide, Total	<0.05 mg/l	TM227		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cyanide, Free	<0.05 mg/l	TM227		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium, Hexavalent	<0.03 mg/l	TM241		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
pH	<1 pH Units	TM256		7.9 #	8.24 #	8.15 #	8.21 #	8.13 #	8.3 #
Phenol	<0.002 mg/l	TM259		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cresols	<0.006 mg/l	TM259		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Xylenols	<0.008 mg/l	TM259		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

PAH Spec MS - Aqueous (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	SW1	SW2	SW3	SW4	SW5	SW6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022
			Sampled Time	.	.	.	.	.	.
			Date Received	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022
			SDG Ref	220309-77	220309-77	220309-77	220309-77	220309-77	220309-77
			Lab Sample No.(s)	25938330	25938342	25938352	25938362	25938373	25938385
			AGS Reference	EW1	EW1	EW1	EW1	EW1	EW1
Naphthalene (aq)	<0.01 µg/l	TM178		<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #
Acenaphthene (aq)	<0.005 µg/l	TM178		<0.005 #	0.0051 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Acenaphthylene (aq)	<0.005 µg/l	TM178		<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Fluoranthene (aq)	<0.005 µg/l	TM178		0.0195 #	0.133 #	0.0181 #	0.0189 #	0.0168 #	0.0156 #
Anthracene (aq)	<0.005 µg/l	TM178		<0.005 #	0.0086 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Phenanthrene (aq)	<0.005 µg/l	TM178		<0.005 #	0.0382 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Fluorene (aq)	<0.005 µg/l	TM178		<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Chrysene (aq)	<0.005 µg/l	TM178		0.0104 #	0.08 #	<0.005 #	0.0088 #	0.0104 #	<0.005 #
Pyrene (aq)	<0.005 µg/l	TM178		0.0203 #	0.137 #	0.0196 #	0.0204 #	0.019 #	0.0185 #
Benzo(a)anthracene (aq)	<0.005 µg/l	TM178		<0.005 #	0.0593 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Benzo(b)fluoranthene (aq)	<0.005 µg/l	TM178		0.0175 #	0.114 #	0.0164 #	0.016 #	0.0146 #	0.0133 #
Benzo(k)fluoranthene (aq)	<0.005 µg/l	TM178		0.0077 #	0.0502 #	0.0062 #	0.007 #	0.0061 #	0.0072 #
Benzo(a)pyrene (aq)	<0.002 µg/l	TM178		0.0113 #	0.0795 #	0.0109 #	0.0111 #	0.0103 #	0.0118 #
Dibenzo(a,h)anthracene (aq)	<0.005 µg/l	TM178		<0.005 #	0.0304 #	<0.005 #	<0.005 #	<0.005 #	<0.005 #
Benzo(g,h,i)perylene (aq)	<0.005 µg/l	TM178		0.0058 #	0.0765 #	<0.005 #	0.0062 #	<0.005 #	<0.005 #
Indeno(1,2,3-cd)pyrene (aq)	<0.005 µg/l	TM178		0.0109 #	0.0683 #	<0.005 #	0.0095 #	<0.005 #	<0.005 #
PAH, Total Detected USEPA 16 (aq)	<0.082 µg/l	TM178		0.103 #	0.88 #	<0.082 #	0.0979 #	<0.082 #	<0.082 #

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+5@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	SW1	SW2	SW3	SW4	SW5	SW6
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022	07/03/2022
			Sampled Time	.	.	.	.	.	.
			Date Received	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022	09/03/2022
			SDG Ref	220309-77	220309-77	220309-77	220309-77	220309-77	220309-77
			Lab Sample No.(s)	25938330	25938342	25938352	25938362	25938373	25938385
			AGS Reference	EW1	EW1	EW1	EW1	EW1	EW1
GRO Surrogate % recovery**	%	TM245		99	91	97	95	95	80
GRO >C5-C12	<50 µg/l	TM245		<50 #	<50 #	<50 #	<50 #	<50 #	<50 #
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Benzene	<7 µg/l	TM245		<7 #	<7 #	<7 #	<7 #	<7 #	<7 #
Toluene	<4 µg/l	TM245		<4 #	<4 #	<4 #	<4 #	<4 #	<4 #
Ethylbenzene	<5 µg/l	TM245		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
m,p-Xylene	<8 µg/l	TM245		<8 #	<8 #	<8 #	<8 #	<8 #	<8 #
o-Xylene	<3 µg/l	TM245		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Sum of detected Xylenes	<11 µg/l	TM245		<11	<11	<11	<11	<11	<11
Sum of detected BTEX	<28 µg/l	TM245		<28	<28	<28	<28	<28	<28
Aliphatics >C5-C6	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C6-C8	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C8-C10	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C10-C12	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aromatics >EC5-EC7	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC7-EC8	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC8-EC10	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC10-EC12	<10 µg/l	TM245		<10	<10	<10	<10	<10	<10
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10
Aliphatics >C16-C35 Aqueous	<10 µg/l	TM174		<10	<10	<10	<10	<10	<10

Table of Results - Appendix

Method No	Reference	Description
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser
TM152	ISO 17294-2:2016 Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS)	Analysis of Aqueous Samples by ICP-MS
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM241	Methods for the Examination of Waters and Associated Materials; Chromium in Raw and Potable Waters and Sewage Effluents 1980.	The Determination of Hexavalent Chromium in Waters and Leachates using the Kone Analyser
TM245	By GC-FID	Determination of GRO by Headspace in waters
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4, Standard Methods for the examination of waters and wastewaters 20th Edition, PHA, Washington DC, USA. ISBN 0-87553-235-7 and The Determination of Alkalinity and Acidity in water HMSO, 1981, ISBN 0 11 751601 5.	Determination of pH, EC, TDS and Alkalinity in Aqueous samples
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Test Completion Dates

Lab Sample No(s)	25938330	25938342	25938352	25938362	25938373	25938385
Customer Sample Ref.	SW1	SW2	SW3	SW4	SW5	SW6
AGS Ref.	EW1	EW1	EW1	EW1	EW1	EW1
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Ammonium Low	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
Anions by Kone (w)	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	15-Mar-2022	16-Mar-2022
Cyanide Comp/Free/Total/Thiocyanate	14-Mar-2022	14-Mar-2022	14-Mar-2022	14-Mar-2022	14-Mar-2022	14-Mar-2022
Dissolved Metals by ICP-MS	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
Dissolved Organic/Inorganic Carbon	13-Mar-2022	13-Mar-2022	13-Mar-2022	13-Mar-2022	13-Mar-2022	13-Mar-2022
EPH CWG (Aliphatic) Aqueous GC (W)	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
EPH CWG (Aromatic) Aqueous GC (W)	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
GRO by GC-FID (W)	16-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022
Hexavalent Chromium (w)	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
Mercury Dissolved	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
Nitrite by Kone (w)	12-Mar-2022	12-Mar-2022	12-Mar-2022	12-Mar-2022	12-Mar-2022	16-Mar-2022
PAH Spec MS - Aqueous (W)	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022
pH Value	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022
Phenols by HPLC (W)	15-Mar-2022	15-Mar-2022	14-Mar-2022	15-Mar-2022	14-Mar-2022	15-Mar-2022
Sulphide	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022
Total Metals by ICP-MS	14-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	15-Mar-2022	14-Mar-2022
TPH CWG (W)	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022	16-Mar-2022

ASSOCIATED AQC DATA

Ammonium Low

Component	Method Code	QC 2586	QC 2570	QC 2533
Ammoniacal Nitrogen as N	TM099	**105.8** 90.32 : 112.63	**105.4** 90.32 : 112.63	**107.0** 90.32 : 112.63

Anions by Kone (w)

Component	Method Code	QC 2560	QC 2546
Chloride	TM184	**102.0** 95.10 : 104.28	**106.0** 97.18 : 113.20
Sulphate (soluble)	TM184	**102.8** 91.99 : 109.30	**104.8** 96.54 : 111.66
TON as NO3	TM184	**102.0** 90.35 : 108.35	**109.0** 100.65 : 111.75

Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QC 2552
Free Cyanide (W)	TM227	**82.0** 80.33 : 126.33
Thiocyanate (W)	TM227	**102.75** 84.05 : 116.45
Total Cyanide (W)	TM227	**103.75** 79.19 : 117.11

Dissolved Metals by ICP-MS

Component	Method Code	QC 2529
Aluminium	TM152	**104.0** 90.98 : 111.82
Antimony	TM152	**109.67** 90.44 : 113.04
Arsenic	TM152	**108.5** 94.87 : 109.67
Barium	TM152	**107.0** 90.20 : 111.19
Beryllium	TM152	**104.83** 87.77 : 113.97
Bismuth	TM152	**108.17** 91.90 : 112.20
Borate	TM152	**104.94** 88.00 : 112.00
Boron	TM152	**105.0** 92.27 : 112.40
Cadmium	TM152	**103.67** 96.43 : 110.53
Calcium	TM152	**102.67** 95.14 : 110.01
Chromium	TM152	**101.5** 91.84 : 108.67
Cobalt	TM152	**99.33** 90.72 : 109.61

Dissolved Metals by ICP-MS

		QC 2529
Copper	TM152	**103.5** 94.47 : 109.05
Iron	TM152	**102.0** 94.40 : 107.90
Lead	TM152	**106.5** 93.55 : 109.46
Lithium	TM152	**104.33** 91.62 : 113.12
Magnesium	TM152	**103.33** 92.30 : 110.57
Manganese	TM152	**103.0** 94.75 : 108.21
Molybdenum	TM152	**105.5** 93.55 : 107.66
Nickel	TM152	**102.33** 88.00 : 112.00
Phosphorus	TM152	**103.5** 92.51 : 109.27
Potassium	TM152	**103.33** 92.16 : 109.93
Selenium	TM152	**108.0** 91.58 : 115.98
Silver	TM152	**106.83** 92.75 : 111.05
Sodium	TM152	**102.67** 89.47 : 109.62
Strontium	TM152	**107.67** 95.40 : 109.43
Tellurium	TM152	**113.17** 93.32 : 114.66
Thallium	TM152	**105.33** 88.00 : 112.00
Tin	TM152	**108.33** 92.63 : 109.70
Titanium	TM152	**102.67** 95.58 : 111.68
Tungsten	TM152	**103.17** 94.68 : 107.68
Uranium	TM152	**107.83** 88.00 : 112.00
Vanadium	TM152	**100.83** 88.00 : 112.00
Zinc	TM152	**108.0** 95.31 : 110.74

Dissolved Organic/Inorganic Carbon

Component	Method Code	QC 2528
Dissolved Inorganic Carbon	TM090	**107.83** 93.58 : 112.28
Dissolved Organic Carbon	TM090	**100.67** 97.42 : 107.52

EPH CWG (Aliphatic) Aqueous GC (W)

Component	Method Code	QC 2514
Total Aliphatics >C10-C40	TM174	**112.71** 69.79 : 134.39

EPH CWG (Aromatic) Aqueous GC (W)

Component	Method Code	QC 2517
Total Aromatics >EC10-EC40	TM174	**98.78** 59.92 : 128.54

GRO by GC-FID (W)

Component	Method Code	QC 2527	QC 2547
Benzene by GC	TM245	**105.5** 81.54 : 119.70	**102.5** 79.13 : 118.84
Ethylbenzene by GC	TM245	**109.0** 80.99 : 121.09	**106.0** 79.54 : 115.99
m & p Xylene by GC	TM245	**108.75** 82.77 : 123.19	**106.75** 78.44 : 116.32
MTBE GC-FID	TM245	**105.5** 80.06 : 123.27	**101.5** 81.43 : 120.09
o Xylene by GC	TM245	**109.0** 84.26 : 121.50	**106.5** 76.85 : 120.29
QC	TM245	**98.69** 67.65 : 138.14	**85.51** 59.97 : 121.29
Toluene by GC	TM245	**108.0** 82.78 : 121.99	**105.5** 79.00 : 121.96

Hexavalent Chromium (w)

Component	Method Code	QC 2597
Hexavalent Chromium	TM241	**96.6** 94.17 : 106.17

Mercury Dissolved

Component	Method Code	QC 2581	QC 2501
Mercury Dissolved (CVAF)	TM183	**89.3** 0.00 : 0.00	**91.2** 0.00 : 0.00

PAH Spec MS - Aqueous (W)

PAH Spec MS - Aqueous (W)

Component	Method Code	QC 2519
Acenaphthene by GCMS	TM178	**110.4** 98.40 : 117.60
Acenaphthylene by GCMS	TM178	**110.8** 96.80 : 118.40
Anthracene by GCMS	TM178	**109.2** 94.40 : 116.00
Benz(a)anthracene by GCMS	TM178	**110.4** 92.80 : 116.80
Benzo(a)pyrene by GCMS	TM178	**110.0** 89.43 : 118.57
Benzo(b)fluoranthene by GCMS	TM178	**109.2** 87.80 : 121.80
Benzo(ghi)perylene by GCMS	TM178	**103.2** 92.00 : 116.00
Benzo(k)fluoranthene by GCMS	TM178	**112.4** 88.72 : 111.28
Chrysene by GCMS	TM178	**109.6** 88.68 : 116.92
Dibenzo(ah)anthracene by GCMS	TM178	**101.6** 86.24 : 118.56
Fluoranthene by GCMS	TM178	**109.2** 91.20 : 117.60
Fluorene by GCMS	TM178	**111.2** 90.76 : 121.24
Indeno(123cd)pyrene by GCMS	TM178	**109.6** 88.39 : 119.61
Naphthalene by GCMS	TM178	**113.2** 98.00 : 119.60
Phenanthrene by GCMS	TM178	**110.4** 96.00 : 117.60
Pyrene by GCMS	TM178	**110.8** 91.00 : 120.20

pH Value

Component	Method Code	QC 2528	QC 2534	QC 2537
pH	TM256	**99.73** 99.20 : 102.41	**100.13** 99.20 : 102.41	**100.4** 99.20 : 102.41

Phenols by HPLC (W)

Component	Method Code	QC 2572	QC 2520
2.3.5 Trimethyl-Phenol by HPLC (W)	TM259	**99.61** 73.97 : 135.63	**99.61** 73.97 : 135.63
2-Isopropyl Phenol by HPLC (W)	TM259	**95.6** 80.00 : 116.00	**95.6** 80.00 : 116.00
Cresols by HPLC (W)	TM259	**100.66** 85.46 : 124.01	**100.0** 85.46 : 124.01
Napthol by HPLC (W)	TM259	**99.61** 75.83 : 130.17	**99.61** 75.83 : 130.17

Phenols by HPLC (W)

		QC 2572	QC 2520
Phenol by HPLC (W)	TM259	**96.41** 82.00 : 118.00	**94.52** 82.00 : 118.00
Xylenols by HPLC (W)	TM259	**96.84** 88.33 : 112.33	**96.84** 88.33 : 112.33

Sulphide

Component	Method Code	QC 2520	QC 2587
Sulphide	TM101	**99.33** 88.67 : 116.67	**100.0** 88.67 : 116.67

Total Metals by ICP-MS

Component	Method Code	QC 2526	QC 2551	QC 2589
Aluminium	TM152	**103.33** 94.52 : 115.29	**105.0** 88.99 : 114.16	**105.0** 88.99 : 114.16
Antimony	TM152	**106.0** 95.49 : 120.08	**109.17** 93.05 : 123.32	**104.17** 93.05 : 123.32
Arsenic	TM152	**106.83** 96.52 : 112.66	**106.67** 97.95 : 112.90	**104.83** 97.95 : 112.90
Barium	TM152	**104.5** 93.42 : 112.02	**112.17** 95.11 : 116.80	**108.33** 95.11 : 116.80
Beryllium	TM152	**104.67** 94.31 : 118.42	**105.83** 96.06 : 116.39	**106.17** 96.06 : 116.39
Bismuth	TM152	**103.83** 96.01 : 116.68	**110.17** 93.21 : 113.89	**106.83** 93.21 : 113.89
Boron	TM152	**103.67** 93.80 : 119.51	**106.67** 86.68 : 117.67	**108.0** 86.68 : 117.67
Cadmium	TM152	**104.33** 97.46 : 112.99	**105.67** 96.08 : 112.92	**104.5** 96.08 : 112.92
Calcium	TM152	**102.67** 95.21 : 112.87	**106.0** 95.17 : 121.17	**106.0** 95.17 : 121.17
Chromium	TM152	**102.83** 92.14 : 112.07	**102.67** 97.65 : 111.90	**102.0** 97.65 : 111.90
Cobalt	TM152	**100.33** 91.80 : 113.60	**101.5** 96.52 : 113.04	**101.17** 96.52 : 113.04
Copper	TM152	**104.33** 94.02 : 114.05	**103.0** 97.32 : 113.53	**101.17** 97.32 : 113.53
Iron	TM152	**103.33** 93.62 : 111.65	**102.0** 96.27 : 111.69	**101.33** 96.27 : 111.69
Lead	TM152	**103.5** 93.06 : 113.74	**108.67** 96.90 : 113.51	**106.17** 96.90 : 113.51
Lithium	TM152	**104.5** 89.26 : 119.04	**107.83** 94.68 : 116.74	**107.67** 94.68 : 116.74
Magnesium	TM152	**103.33** 90.21 : 113.53	**104.67** 92.42 : 114.10	**104.0** 92.42 : 114.10
Manganese	TM152	**103.17** 92.63 : 111.13	**103.67** 97.04 : 112.45	**102.67** 97.04 : 112.45
Molybdenum	TM152	**103.5** 90.69 : 112.73	**105.33** 90.74 : 110.67	**101.5** 90.74 : 110.67

Total Metals by ICP-MS

		QC 2526	QC 2551	QC 2589
Nickel	TM152	**103.17** 92.80 : 112.94	**102.33** 97.57 : 113.15	**101.0** 97.57 : 113.15
Phosphorus	TM152	**103.17** 89.80 : 113.16	**108.83** 96.28 : 113.79	**107.67** 96.28 : 113.79
Potassium	TM152	**103.33** 91.26 : 116.75	**106.67** 96.14 : 114.83	**107.33** 96.14 : 114.83
Selenium	TM152	**105.67** 88.44 : 113.86	**107.67** 96.70 : 113.86	**107.33** 96.70 : 113.86
Silver	TM152	**104.33** 88.22 : 124.02	**106.5** 82.13 : 120.33	**103.17** 82.13 : 120.33
Sodium	TM152	**102.0** 88.41 : 117.39	**102.0** 92.77 : 115.64	**102.67** 92.77 : 115.64
Strontium	TM152	**104.0** 90.72 : 114.82	**106.67** 90.72 : 114.82	**107.33** 90.72 : 114.82
Tellurium	TM152	**107.0** 100.53 : 113.91	**115.0** 95.55 : 115.82	**109.67** 95.55 : 115.82
Thallium	TM152	**94.67** 84.25 : 117.85	**105.67** 80.92 : 114.72	**103.5** 80.92 : 114.72
Tin	TM152	**104.0** 93.65 : 112.33	**108.33** 96.04 : 111.04	**104.5** 96.04 : 111.04
Titanium	TM152	**102.33** 93.82 : 116.72	**106.17** 96.48 : 114.94	**105.83** 96.48 : 114.94
Uranium	TM152	**102.33** 90.58 : 113.28	**107.67** 95.56 : 112.07	**106.17** 95.56 : 112.07
Vanadium	TM152	**104.17** 88.43 : 114.30	**100.67** 88.43 : 114.30	**101.83** 88.43 : 114.30
Zinc	TM152	**106.67** 95.48 : 113.79	**105.33** 97.95 : 113.95	**103.33** 97.95 : 113.95

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

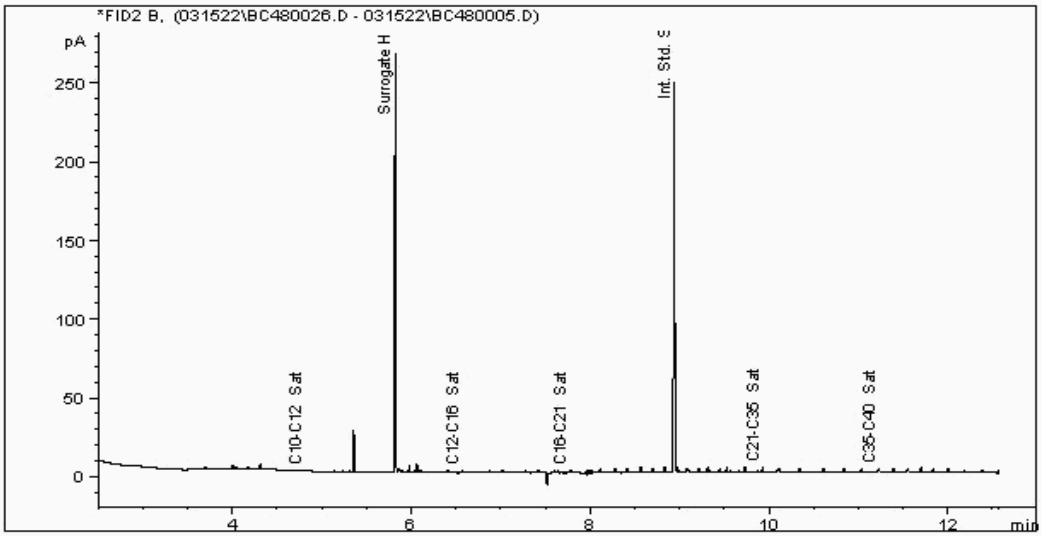
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954202 **Depth :** 0.00 - 0.00
Sample ID : SW6

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24210013-
Date Acquired : 15/03/2022 19:59:56 PM
Units : ppb
Dilution : SE SW6[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	183.2	0.244
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	196.7	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	380.0	



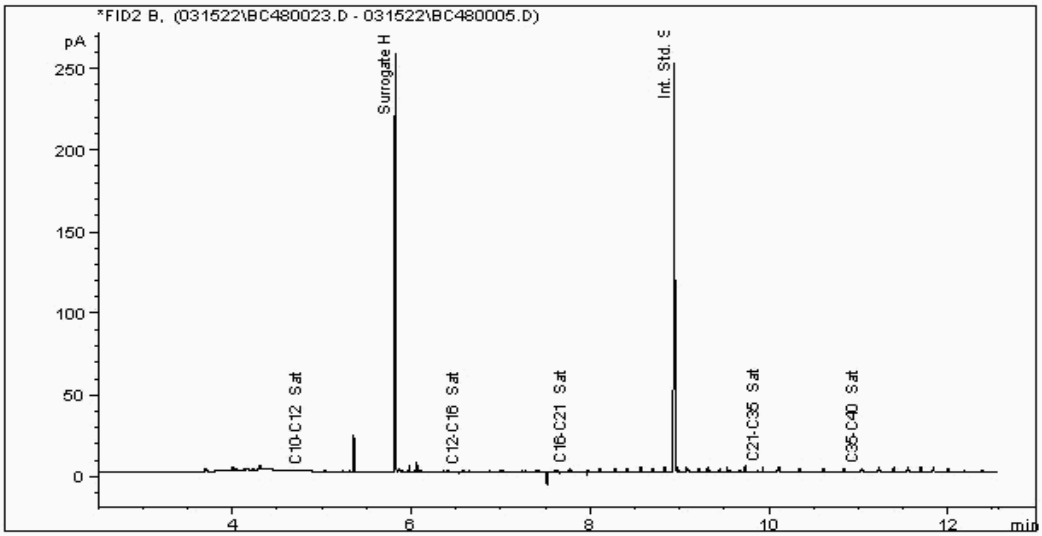
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954205 **Depth :** 0.00 - 0.00
Sample ID : SW3

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24209959-
Date Acquired : 15/03/2022 18:49:21 PM
Units : ppb
Dilution : SE SW3[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	178.7	0.232
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	201.8	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	380.5	



CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

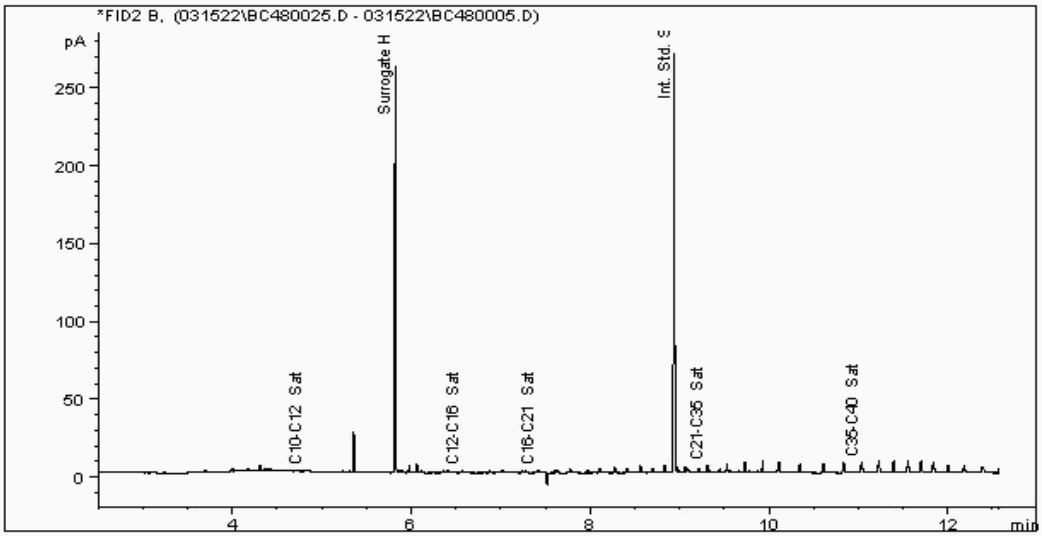
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954210 **Depth :** 0.00 - 0.00
Sample ID : SW5

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24209995-
Date Acquired : 15/03/2022 19:36:19 PM
Units : ppb
Dilution : SE SW5[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	181.4	0.229
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	207.8	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	389.2	



CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

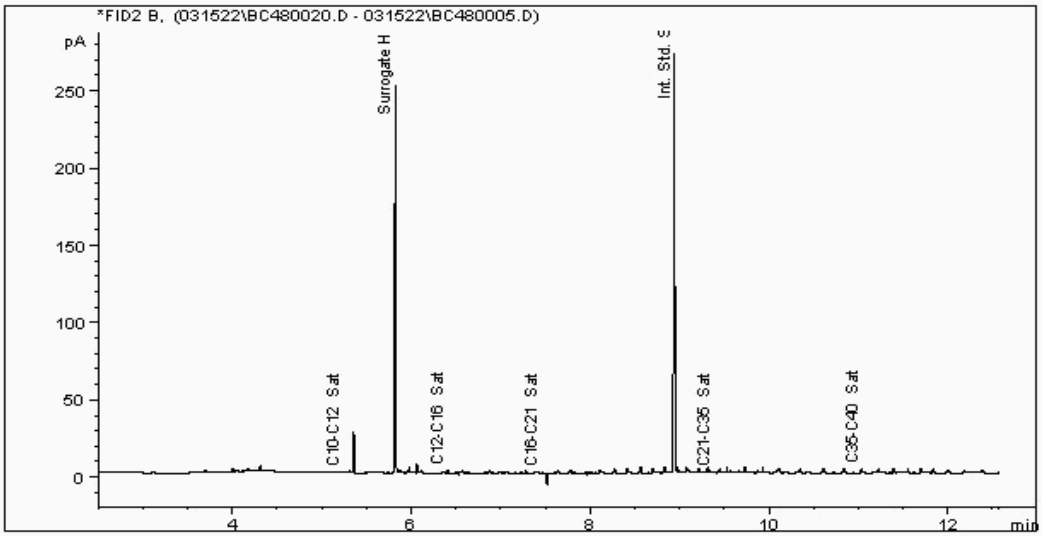
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954216 **Depth :** 0.00 - 0.00
Sample ID : SW2

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24209941-
Date Acquired : 15/03/2022 17:39:16 PM
Units : ppb
Dilution : SE SW2[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	185.7	0.224
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	217.3	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	403.0	



CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

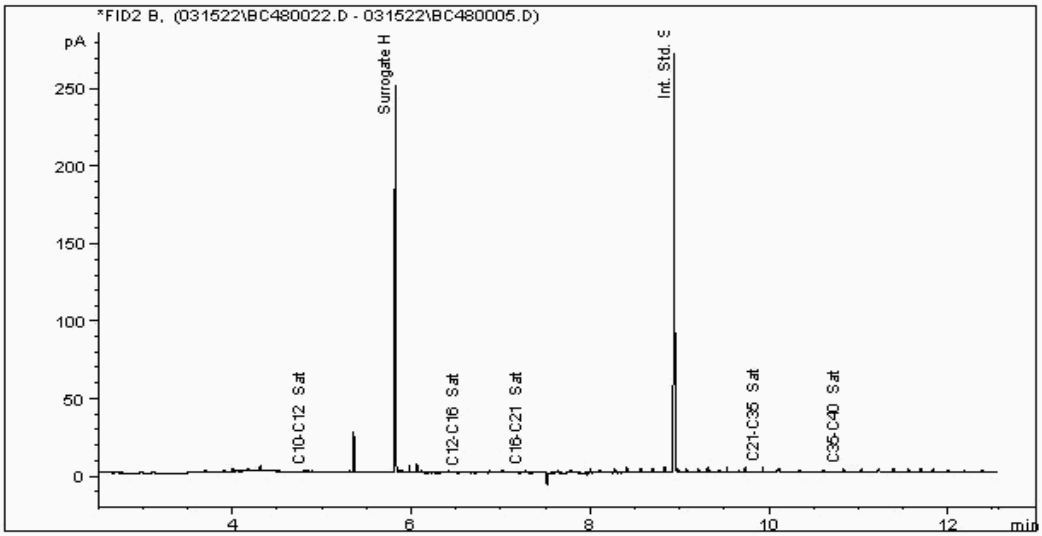
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954226 **Depth :** 0.00 - 0.00
Sample ID : SW1

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24209920-
Date Acquired : 15/03/2022 18:25:51 PM
Units : ppb
Dilution : SE SW1[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	186.2	0.225
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	216.7	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	402.9	



CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

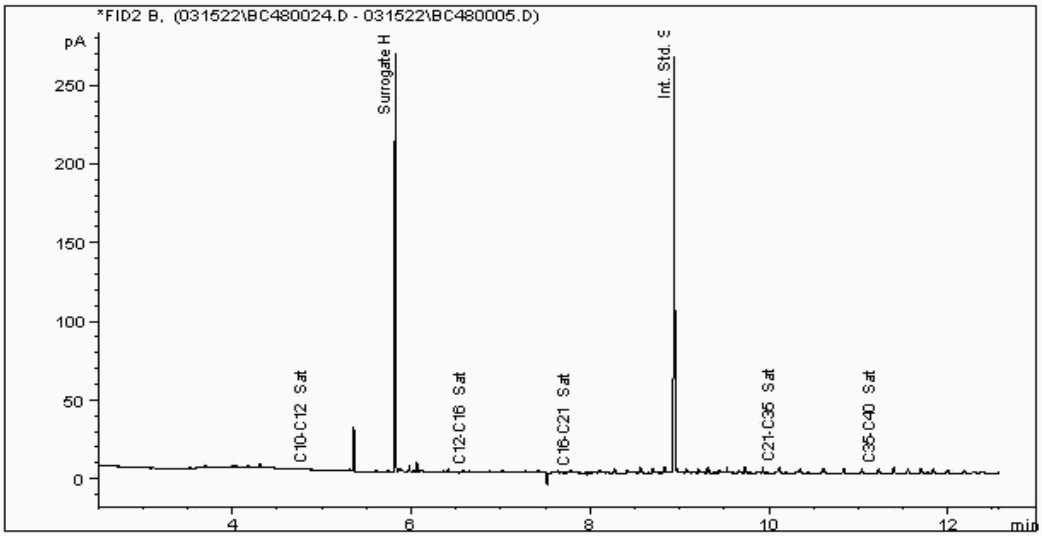
Chromatogram

Analysis: EPH CWG (Aliphatic) Aqueous GC (W) **Sample No :** 25954230 **Depth :** 0.00 - 0.00
Sample ID : SW4

Alcontrol/Geochem Analytical Services
Speciated TPH - SATS (C12 - C40)

Sample Identity: 24209977-
Date Acquired : 15/03/2022 19:13:05 PM
Units : ppb
Dilution : SE SW4[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

#	Compound Name	Main Peak Area	Amount
1	C10-C12 Sat	0.0	0.000
2	Surrogate H	184.4	0.229
3	C12-C16 Sat	0.0	0.000
4	C16-C21 Sat	0.0	0.000
5	Int. Std. S	210.8	0.250
6	C21-C35 Sat	0.0	0.000
7	C35-C40 Sat	0.0	0.000
	Total Peak Area	395.2	



CERTIFICATE OF ANALYSIS

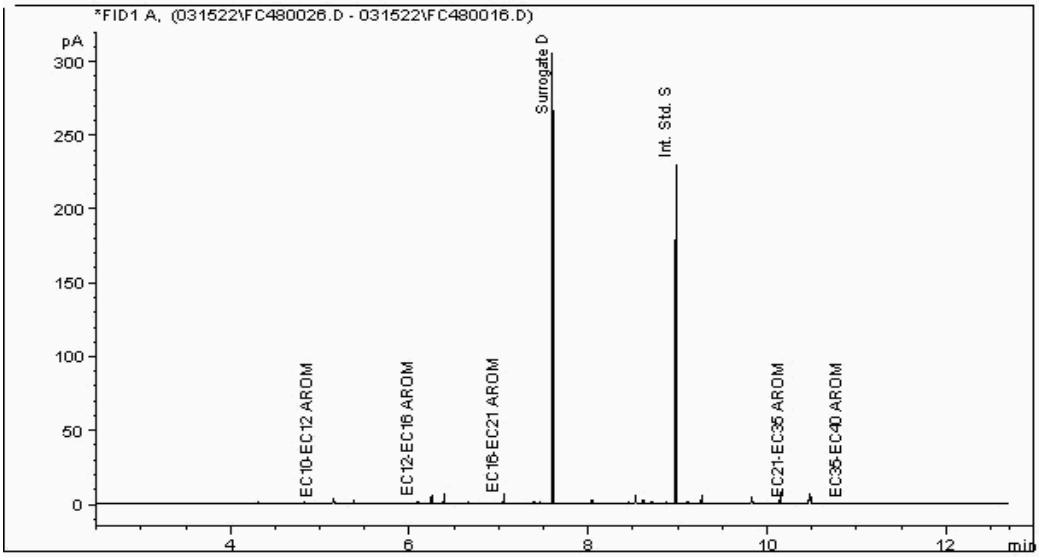
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954202 **Depth :** 0.00 - 0.00
Sample ID : SW6

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24210014-
Date Acquired : 15/03/2022 19:59:55 PM
Units : ppb
Dilution : SE SW6[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

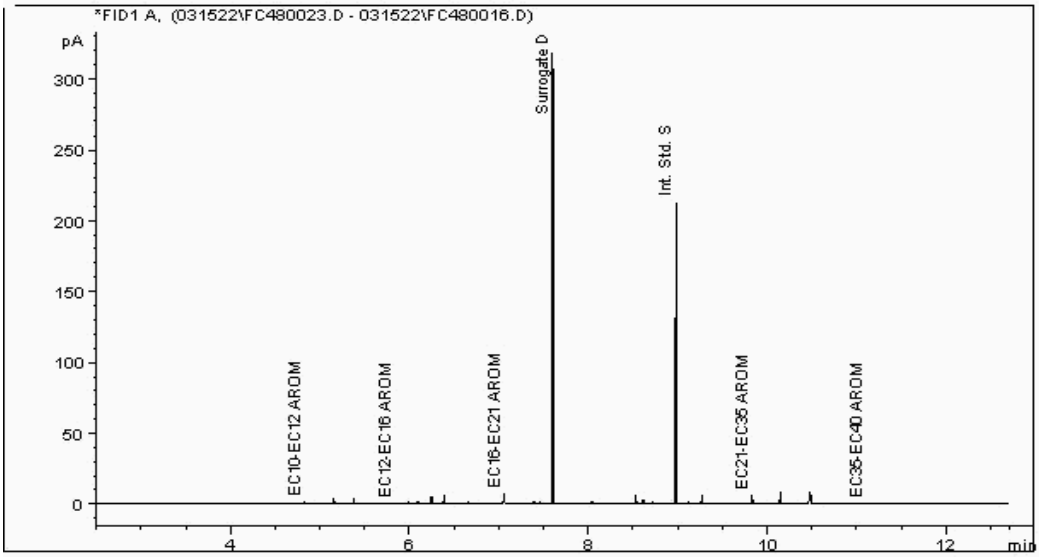
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954205 **Depth :** 0.00 - 0.00
Sample ID : SW3

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24209960-
Date Acquired : 15/03/2022 18:49:20 PM
Units : ppb
Dilution : SE SW3[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

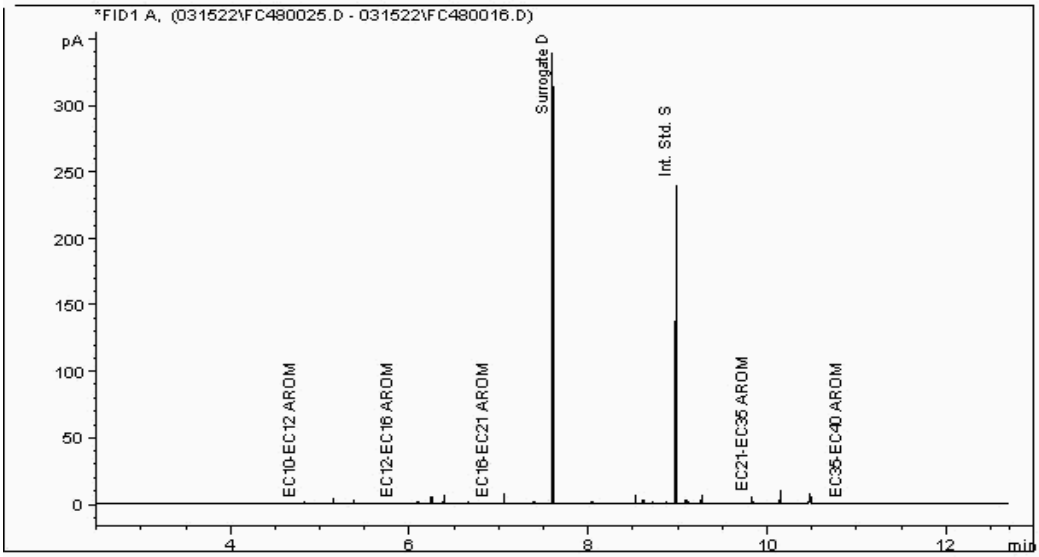
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954210 **Depth :** 0.00 - 0.00
Sample ID : SW5

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24209996-
Date Acquired : 15/03/2022 19:36:18 PM
Units : ppb
Dilution : SE SW5[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

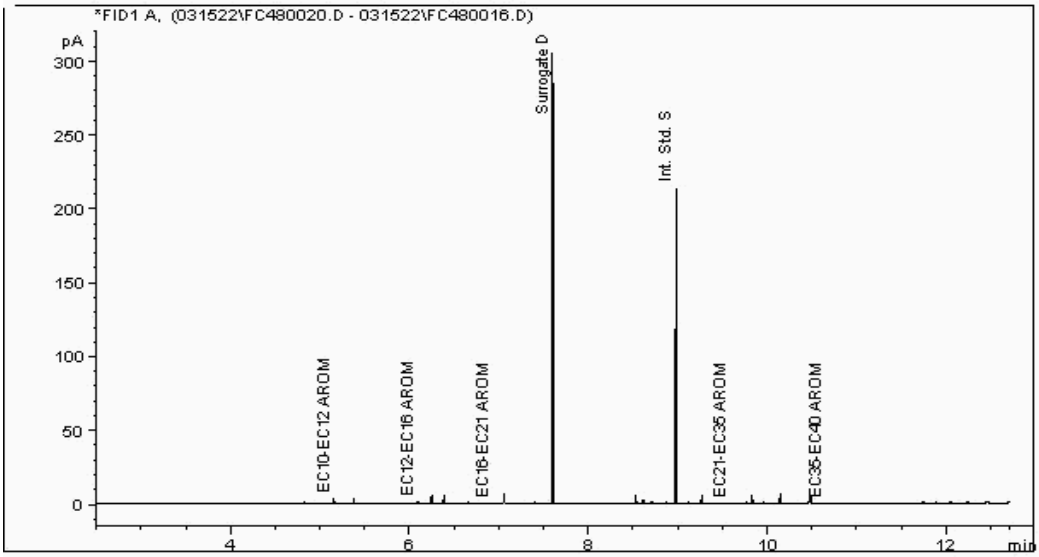
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954216 **Depth :** 0.00 - 0.00
Sample ID : SW2

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24209942-
Date Acquired : 15/03/2022 17:39:15 PM
Units : ppb
Dilution : SE SW2[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

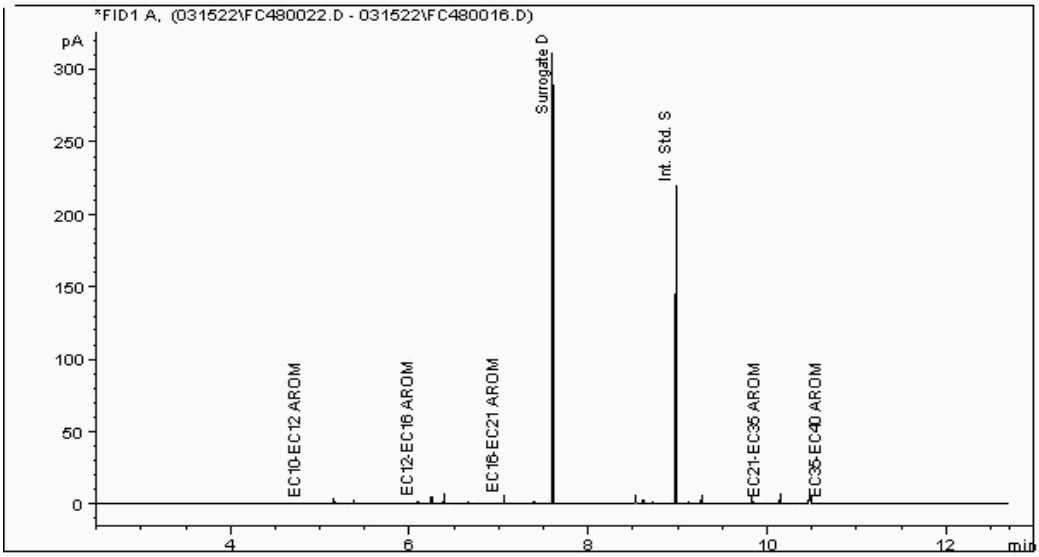
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954226 **Depth :** 0.00 - 0.00
Sample ID : SW1

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24209921-
Date Acquired : 15/03/2022 18:25:50 PM
Units : ppb
Dilution : SE SW1[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025



CERTIFICATE OF ANALYSIS

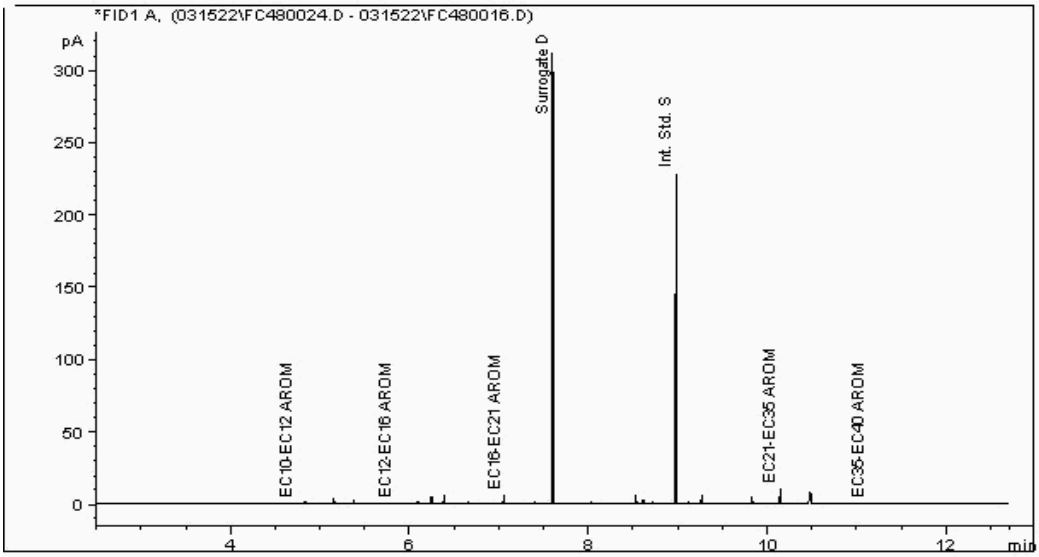
SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: EPH CWG (Aromatic) Aqueous GC (W) **Sample No :** 25954230 **Depth :** 0.00 - 0.00
Sample ID : SW4

Alcontrol/Geochem Analytical Services
Speciated TPH - AROM (C12 - C40)

Sample Identity: 24209978-
Date Acquired : 15/03/2022 19:13:06 PM
Units : ppb
Dilution : SE SW4[0.00 - 0.00] ->
CF : 1
Multiplier : 0.025

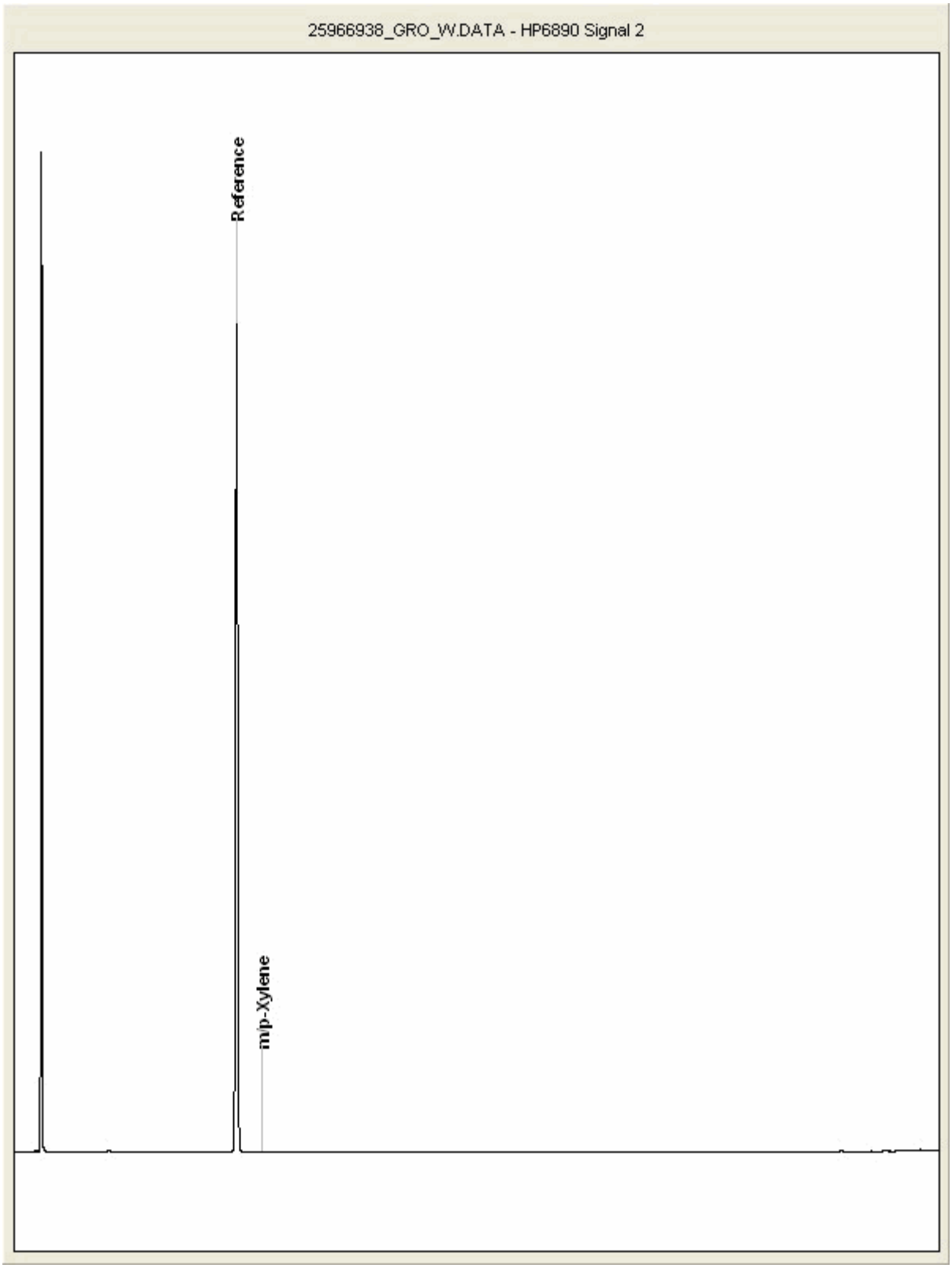


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25966938 **Depth :** 0.00 - 0.00
Sample ID : SW2

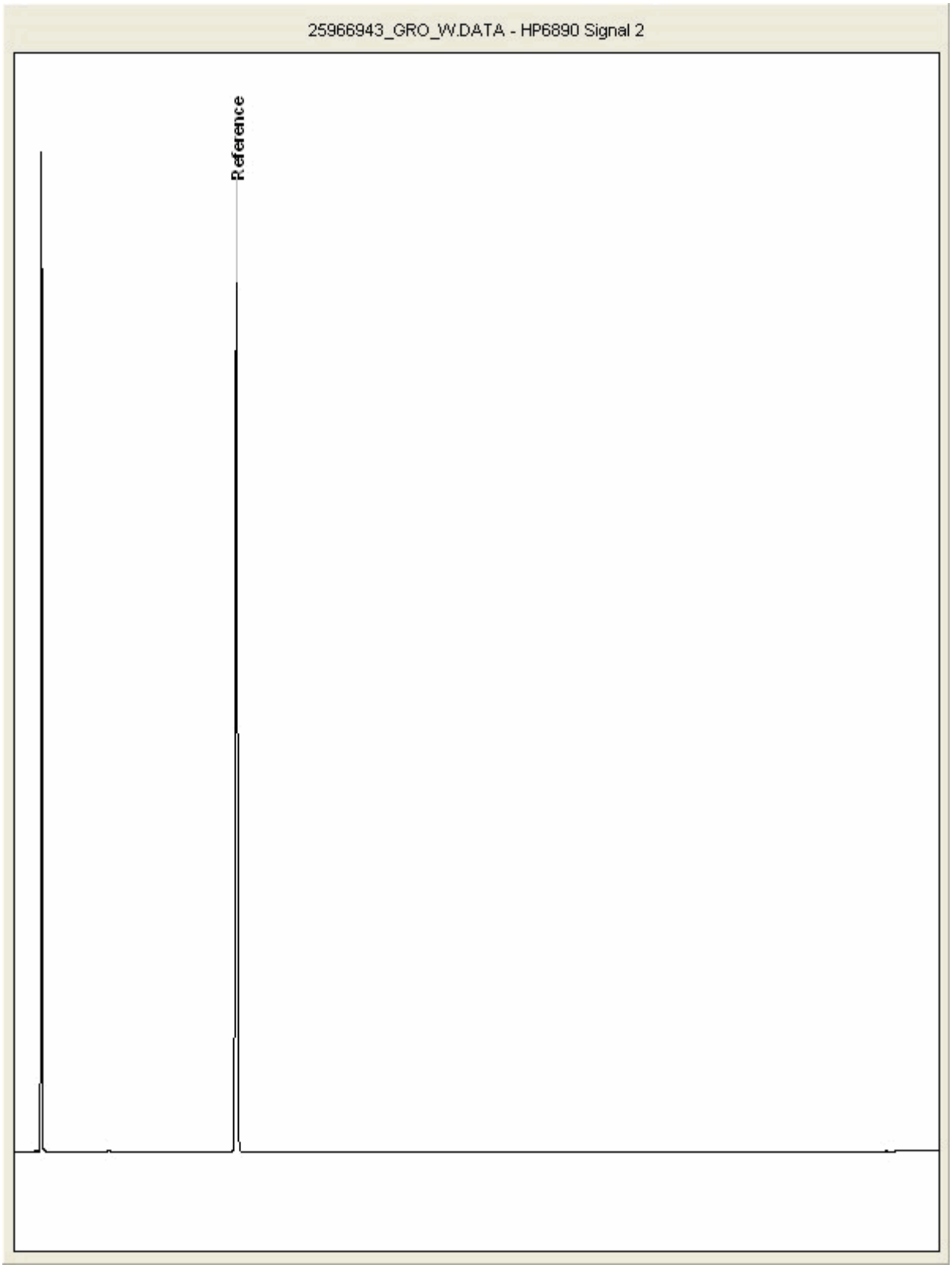


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25966943 **Depth :** 0.00 - 0.00
Sample ID : SW4

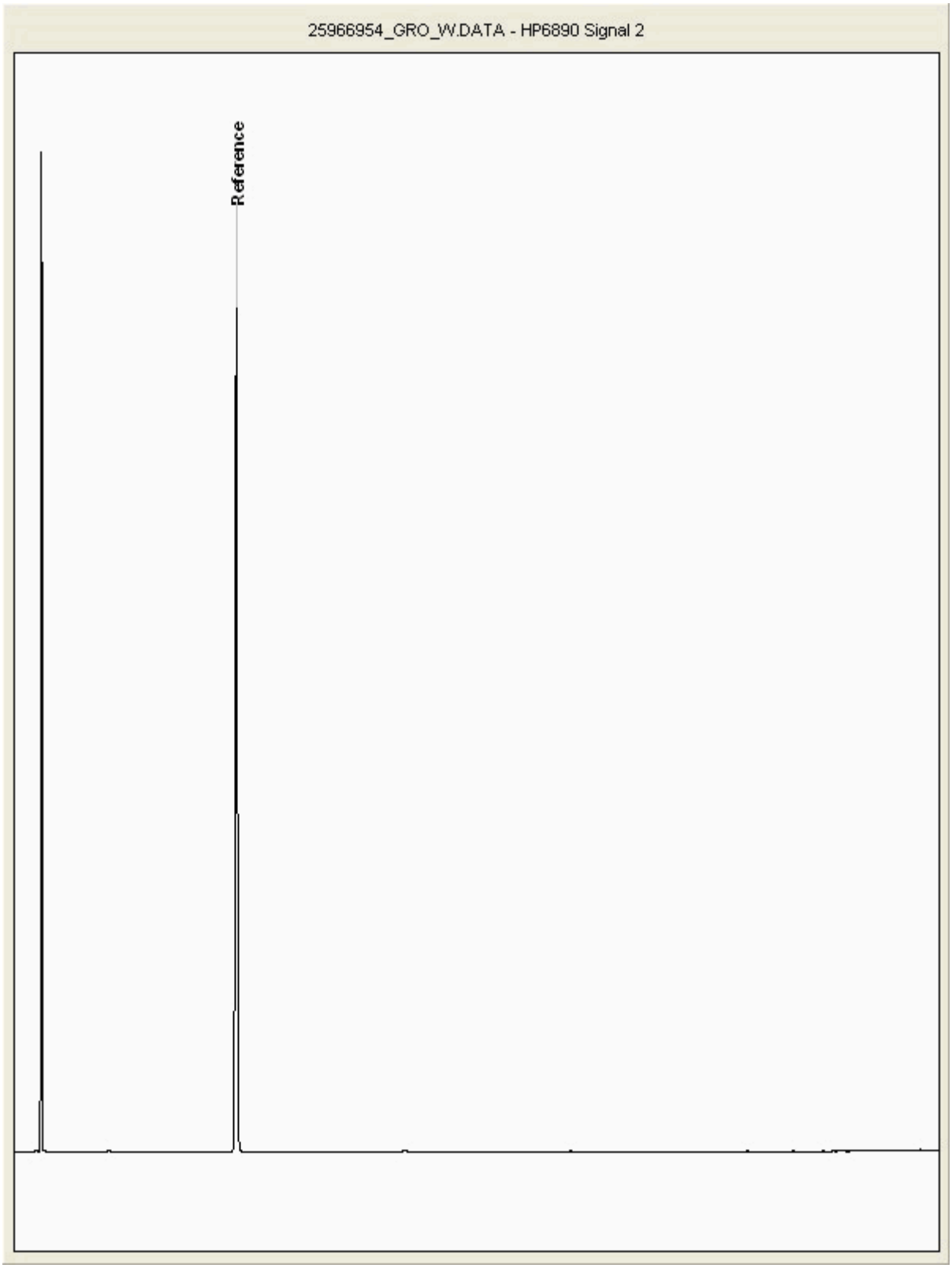


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25966954 **Depth :** 0.00 - 0.00
Sample ID : SW5

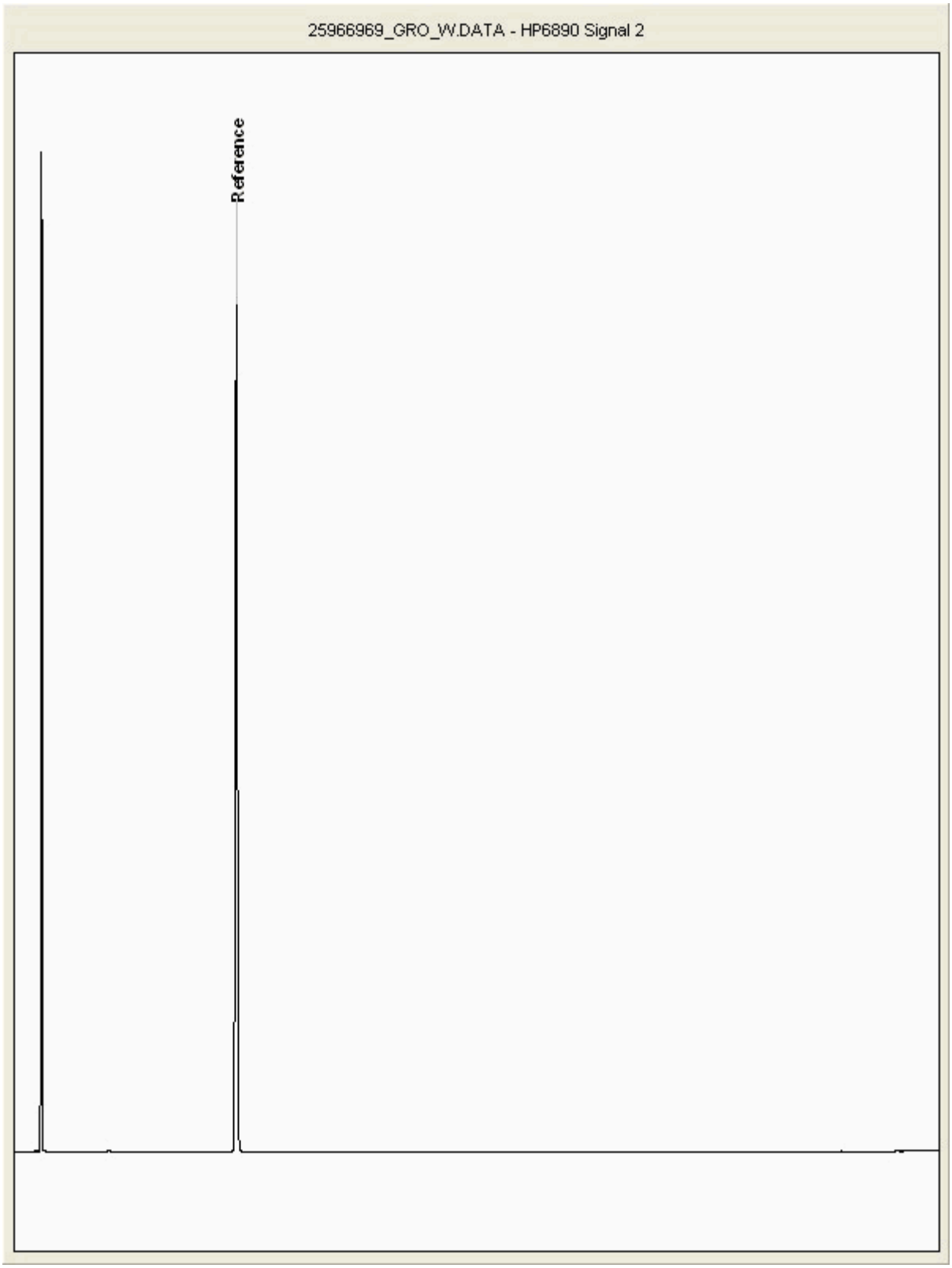


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25966969 **Depth :** 0.00 - 0.00
Sample ID : SW3

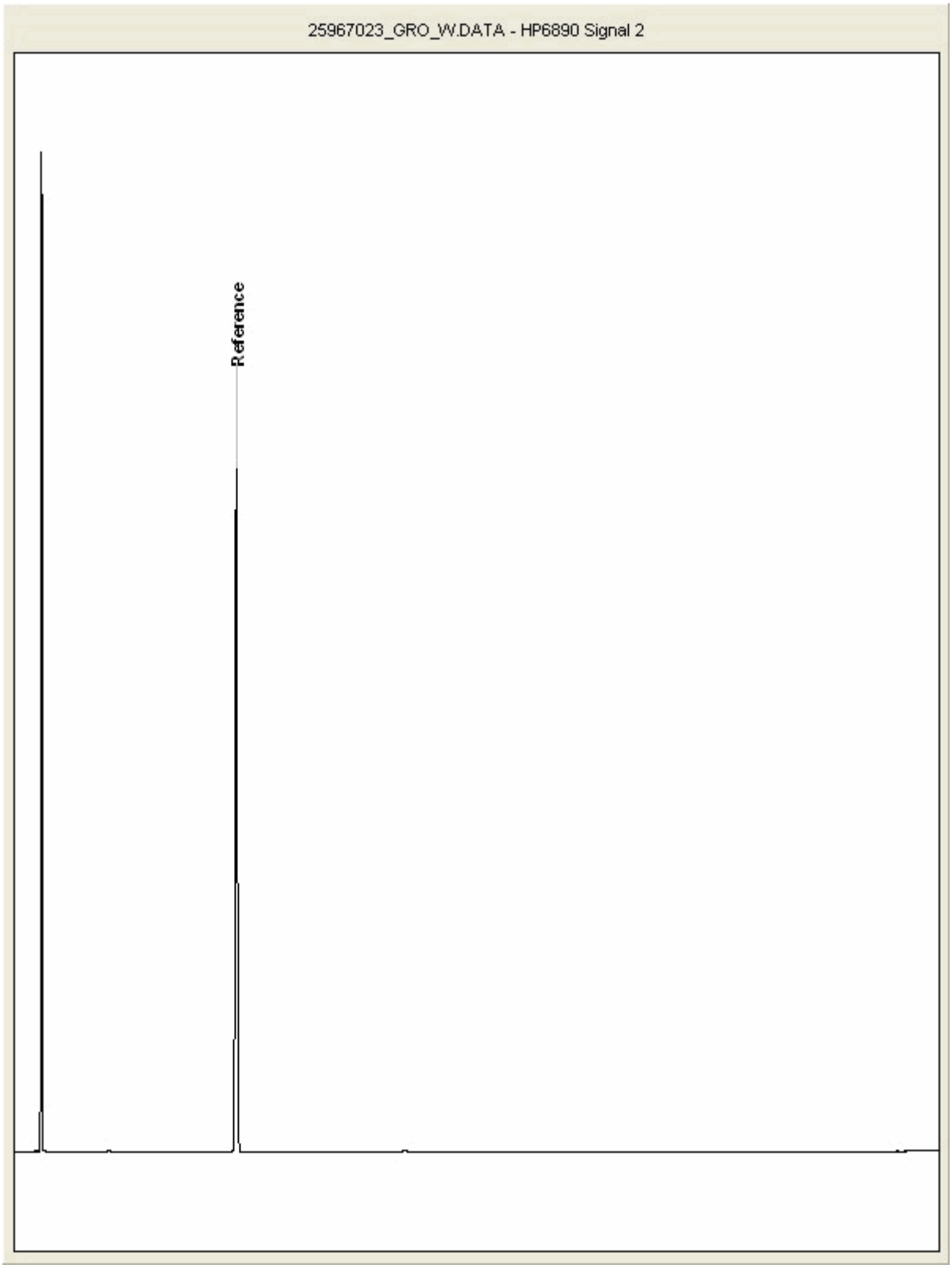


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25967023 **Depth :** 0.00 - 0.00
Sample ID : SW6

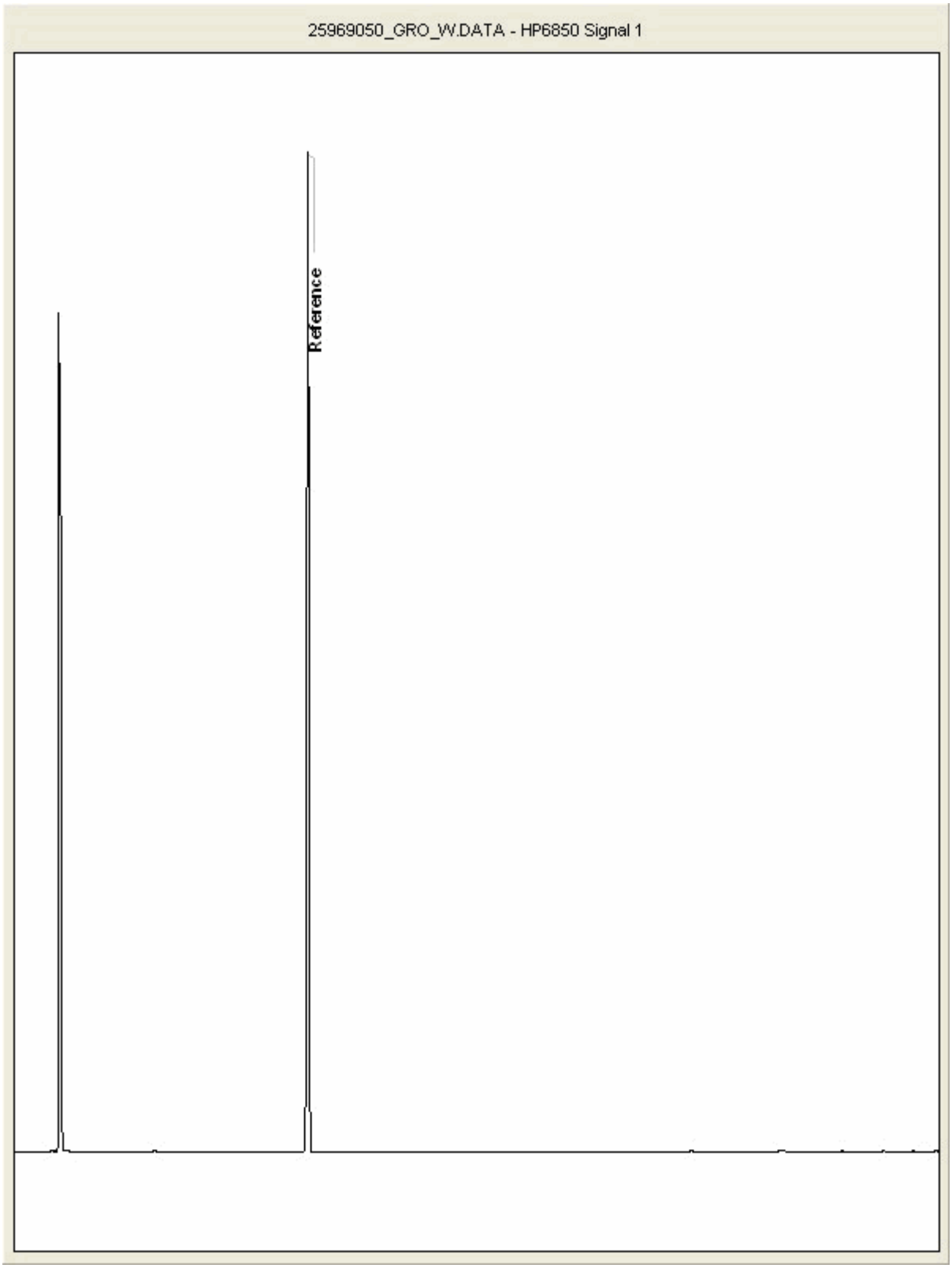


CERTIFICATE OF ANALYSIS

SDG: 220309-77 **Report Number:** 637833 **Superseded Report:**
Client Ref.: 784-B026948 **Location:** A46 Newark Northern Bypass

Chromatogram

Analysis: GRO by GC-FID (W) **Sample No :** 25969050 **Depth :** 0.00 - 0.00
Sample ID : SW1



Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. For dried and crushed preparations of soils volatile loss may occur e.g volatile mercury.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17 Data retention. All records, communications and reports pertaining to the analysis are archived for seven years from the date of issue of the final report.

18. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

19. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

20. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2021), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials and soils are obtained from supplied bulk materials andd soils which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2021).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Appendix E: Summary tables

Table E-1: Summary of installations Tetra Tech GI

Location ID	Maximum depth of borehole (mbgl)	Response zone (mbgl)	Response zone strata
BH01	25.00	5.00 – 15.00	Mercia Mudstone Group
BH02	25.00	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group
BH03	4.00	No details provided in Factual Report	
BH03A	25.00	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium
BH05	25.00	1.00 – 5.00	Made Ground/ Granular Alluvium
BH06	25.00	1.00 – 6.00	Cohesive Alluvium/ Granular Alluvium
BH07	25.00	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium
BH09	25.00	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium
BH10	25.00	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group
BH11	25.00	1.00 – 6.00	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group
BH12	25.00	1.00 – 6.00	Granular Alluvium
BH14	25.00	1.00 – 4.00	Cohesive Alluvium/ Granular Alluvium
BH15	29.50	1.00 – 4.00	Granular Alluvium/ Mercia Mudstone Group
BH16	25.00	2.00 – 6.00	Granular Alluvium/ Mercia Mudstone Group
BH17	25.00	2.00 – 18.70	Granular Alluvium/ Mercia Mudstone Group
BH18	25.00	2.00 – 7.00	Mercia Mudstone Group
BH19	12.00	1.00 – 5.00	Granular Alluvium/ Mercia Mudstone Group
BH21	10.50	No details provided in Factual Report	
BH22	10.50	No details provided in Factual Report	
BH56	9.00	0.50 – 4.00	Granular Alluvium
BH60	8.00	2.00 – 6.00	Granular Alluvium
BH61	8.00	2.00 – 6.00	Granular Alluvium
BH66	3.00	1.00 – 3.00	Granular Alluvium
WS08	6.00	1.00 – 5.00	Granular Alluvium

Location ID	Maximum depth of borehole (mbgl)	Response zone (mbgl)	Response zone strata
WS12	3.00	1.00 – 3.00	Granular Alluvium
WS15	3.00	1.00 – 3.00	Cohesive Alluvium and Granular Alluvium
WS25	4.00	0.50 – 3.50	Cohesive Alluvium and Granular Alluvium
WS26	4.00	1.00 – 3.50	Granular Alluvium
WS31	5.00	1.00 – 4.00	Granular Alluvium
WS48	5.00	1.00 – 2.00	Made Ground
WS50A	5.00	2.00 – 4.00	Made Ground/ Granular Alluvium
WS54	5.00	3.00 – 5.00	Cohesive Alluvium and Granular Alluvium
WS66	3.90	1.00 – 3.00	Granular Alluvium
WS67	3.40	2.00 – 2.50	Granular Alluvium

Table E-2: Summary of soil testing undertaken and leachate testing from Tetra Tech GI

Location ID	Depth (m bgl)	Stata of soil sample	Leachate analysis undertaken
BH02	0.6	Cohesive Alluvium	No
BH03	0.5	Cohesive Alluvium	No
BH03A	0.1	Topsoil	No
BH03A	0.6	Granular Alluvium	Yes
BH05	0.3	Made Ground	Yes
BH05	3	Granular Alluvium	Yes
BH06	0.4	Made Ground	Yes
BH06	1.3	Cohesive Alluvium	Yes
BH08	0.6	Made Ground	Yes
BH08	8.6	Made Ground	Yes
BH08	10.5	Made Ground	Yes
BH10	0.1	Topsoil	No
BH11	0.1	Made Ground	Yes
BH11	3.5	Cohesive Alluvium	No
BH12	0.3	Topsoil	Yes
BH13	1.5	Made Ground	Yes
BH13	14.4	Granular Alluvium	Yes
BH14	0.4	Cohesive Alluvium	No
BH15	0.7	Granular Alluvium	No
BH16	0.1	Topsoil	Yes
BH16	0.7	Granular Alluvium	No

Location ID	Depth (m bgl)	Stata of soil sample	Leachate analysis undertaken
BH17	0.4	Granular Alluvium	Yes
BH18	0.1	Made Ground	No
BH18	0.5	Made Ground	Yes
BH18	1.5	Mercia Mudstone Group	No
BH19	0.2	Made Ground	Yes
BH24	1	Made Ground	Yes
BH25	0.4	Made Ground	No
BH25	1	Made Ground	Yes
BH25	6	Granular Alluvium	No
BH25	6.2	Granular Alluvium	Yes
BH26	0.9	Made Ground	Yes
BH26	3.6	Cohesive Alluvium	No
BH26	4.6	Granular Alluvium	Yes
BH27	5.4	Cohesive Alluvium	No
BH28	1	Made Ground	Yes
BH28	6.4	Cohesive Alluvium	No
BH29	8.5	Granular Alluvium	No
BH30	0.4	Made Ground	Yes
BH30	1	Made Ground	Yes
BH30	10.8	Made Ground	Yes
BH30	11.7	Granular Alluvium	Yes
BH31	11.8	Granular Alluvium	No
BH32	0.4	Made Ground	Yes
BH32	1	Made Ground	Yes
BH33	1	Made Ground	Yes
BH33	2.2	Made Ground	Yes
BH33	6.9	Cohesive Alluvium	Yes
BH34	0.4	Made Ground	Yes
BH34	0.9	Made Ground	Yes
BH34	5.2	Cohesive Alluvium	Yes
BH35	1	Made Ground	Yes
BH35	1.7	Made Ground	No
BH35	4.4	Cohesive Alluvium	No
BH36	1	Made Ground	Yes
BH37	0.4	Made Ground	Yes
BH37	4.2	Granular Alluvium	No
BH38	0.4	Made Ground	Yes
BH38	5.7	Cohesive Alluvium	Yes
BH42	1	Made Ground	Yes
BH42	9.8	Made Ground	Yes
BH42	10.5	Made Ground	Yes
BH43	1.3	Made Ground	Yes

Location ID	Depth (m bgl)	Stata of soil sample	Leachate analysis undertaken
BH43	6.9	Granular Alluvium	Yes
BH43	10.5	Cohesive Alluvium	Yes
BH44	0.4	Made Ground	Yes
BH44	1.4	Made Ground	Yes
BH44	5.4	Granular Alluvium	Yes
BH45	0.55	Made Ground	Yes
BH45	7.5	Cohesive Alluvium	No
BH45A	1.7	Made Ground	Yes
BH45A	6.4	Cohesive Alluvium	No
BH47	0.1	Made Ground	No
BH48	0.7	Made Ground	Yes
BH49	0.1	Topsoil	No
BH49	0.5	Granular Alluvium	No
BH51	0.1	Granular Alluvium	No
BH52	0.1	Granular Alluvium	No
BH53	0.1	Topsoil	No
BH53	0.5	Granular Alluvium	No
BH54	0.4	Granular Alluvium	Yes
BH55	0.1	Made Ground	No
BH58	0.3	Made Ground	Yes
BH60	0.3	Granular Alluvium	No
BH61	1.3	Granular Alluvium	Yes
BH62	0.3	Topsoil	Yes
BH63	0.4	Granular Alluvium	No
BH65	0.1	Topsoil	No
BH65	0.4	Granular Alluvium	Yes
BH66	0.1	Topsoil	Yes
BH66	1	Granular Alluvium	Yes
TP01	0.2	Topsoil	No
TP02	0.2	Topsoil	No
TP02	1	Cohesive Alluvium	Yes
TP04	1	Granular Alluvium	Yes
TP05	1.6	Cohesive Alluvium	No
TP08	0.5	Granular Alluvium	Yes
TP08	1.2	Cohesive Alluvium	No
TP10	0.2	Topsoil	No
TP10	1	Cohesive Alluvium	Yes
TP13	0.2	Made Ground	Yes
TP13	0.8	Made Ground	Yes
TP27	0.7	Made Ground	Yes
TP32	0.7	Granular Alluvium	Yes
TP35	0.7	Granular Alluvium	Yes

Location ID	Depth (m bgl)	Stata of soil sample	Leachate analysis undertaken
TP38	0.1	Topsoil	No
TP39	0.1	Topsoil	No
TP39	0.4	Made Ground	Yes
TP42	0.7	Granular Alluvium	No
TP43	0.6	Made Ground	Yes
TP44	0.1	Topsoil	Yes
TP45	0.1	Topsoil	Yes
TP46	0.1	Topsoil	No
TP49	0.1	Topsoil	No
TP50	0.8	Granular Alluvium	No
WS04	0.1	Topsoil	No
WS04	0.9	Cohesive Alluvium	No
WS08	0.1	Topsoil	No
WS08	0.7	Granular Alluvium	No
WS10	0.1	Topsoil	No
WS12	0.1	Topsoil	No
WS13	0.9	Granular Alluvium	No
WS15	0.1	Topsoil	No
WS17	0.6	Granular Alluvium	No
WS23	0.1	Topsoil	No
WS23	0.9	Granular Alluvium	No
WS26	0.1	Topsoil	No
WS28	0.1	Topsoil	No
WS28	0.7	Granular Alluvium	Yes
WS29	0.1	Topsoil	No
WS46	2.3	Made Ground	Yes
WS46	3	Granular Alluvium	No
WS48	0.6	Made Ground	No
WS48	1.5	Made Ground	Yes
WS48	2.5	Granular Alluvium	No
WS50A	1.5	Made Ground	Yes
WS50A	2.5	Granular Alluvium	No
WS54	0.6	Made Ground	No
WS54	3	Cohesive Alluvium	No
WS57	0.1	Topsoil	No
WS57	1	Granular Alluvium	No
WS64	0.1	Topsoil	No
WS64	0.7	Granular Alluvium	Yes
WS64	1.8	Granular Alluvium	No
WS65	0.6	Granular Alluvium	Yes
WS66	0.1	Topsoil	Yes
WS66	0.9	Granular Alluvium	No

Location ID	Depth (m bgl)	Stata of soil sample	Leachate analysis undertaken
WS67	0.7	Topsoil	Yes
WS68	0.1	Topsoil	No
WS69	0.1	Topsoil	No
WS70	0.8	Granular Alluvium	Yes
WS71	0.7	Granular Alluvium	Yes
WS72	0.1	Topsoil	Yes
WS72	0.8	Granular Alluvium	No
WS73	0.1	Topsoil	No

Table E-3: Summary of groundwater monitoring Tetra Tech GI

Depth to water (m bgl)						
Location ID	**Round 1 (11-13/08/21)**	**Round 2 (2-3/09/21)**	**Round 3 (28 – 29/09/21)**	**Round 4 (18-19/11/21)**	**Round 5 (29-30/11/21)**	**Round 6 (14-15/12/21)**
BH01	1.73	1.73	1.73	1.33	1.10	1.12
BH02	1.10	1.08	1.00	1.00	1.10	-
BH03A	1.06	1.02	1.02	1.02	1.16	1.54
BH05	2.11	2.13	2.07	2.31	2.24	2.12
BH07	-	1.49	1.30	1.33	1.13	1.28
BH09	1.35	1.35	1.35	1.46	1.29	1.13
BH10	1.78	1.78	1.75	1.89	1.75	1.60
BH11	3.71	3.67	3.67	3.50	3.42	3.31
BH12	2.85	2.91	2.77	2.51	2.33	2.71
BH14	2.98	3.02	2.94	2.54	2.22	2.10
BH15	1.86	1.79	1.71	2.00	2.13	1.10
BH16	2.77	2.69	2.69	3.53	3.01	3.41
BH17	2.54	2.51	2.39	2.31	2.55	2.19
BH18	-	2.82	2.77	2.03	2.03	2.46
BH19	0.33	0.42	0.33	0.64	0.44	0.63
BH21	2.51	2.51	2.33	3.66	3.29	3.80
BH22	3.52	3.49	3.40	3.74	3.51	4.13
BH56	1.62	1.59	1.66	1.23	1.12	1.40
BH66	DRY	DRY	DRY	Destroyed	Destroyed	Destroyed
WS08	1.14	1.09	1.01	1.10	1.19	1.24
WS12	1.20	1.17	1.10	0.69	0.55	0.89
WS15	1.26	1.23	1.20	1.40	1.26	1.30
WS25	2.24	2.21	2.00	2.56	2.44	1.96
WS26	1.86	1.79	1.70	1.99	1.73	1.43

Depth to water (m bgl)						
Location ID	**Round 1 (11-13/08/21)**	**Round 2 (2-3/09/21)**	**Round 3 (28 – 29/09/21)**	**Round 4 (18-19/11/21)**	**Round 5 (29-30/11/21)**	**Round 6 (14-15/12/21)**
WS31	3.68	3.61	3.58	DRY	DRY	1.96
WS48	2.06	2.08	2.13	2.13	1.88	DRY
WS50	3.68	3.61	3.58	DRY	DRY	1.96
WS54	1.64	1.73	1.61	1.03	0.88	0.80
WS66	2.78	2.74	2.39	Not Located	Not Located	2.74
WS67	DRY	DRY	DRY	DRY	DRY	DRY

Table E-4: Summary of soil testing undertaken and leachate extract from soil testing from the SGL GI.

Location ID	Depth (mbgl)	Strata of soil sample	Soil leachate analysis undertaken	WAC testing undertaken
S3BH01	0.5	Granular Alluvium	Yes	No
S3BH01	1.4		Yes	
S3BH02	0.5		Yes	
S3BH02R	0.5	Made Ground	Yes	
S3BH05	0.5		No	
S3BH05	1		No	
S3BH05	1.5		Yes	
S3BH05	1.65		Yes	
S3BH05	2.5		Yes	
S3BH05	2.9	Granular Alluvium	No	
S3BH05	3.2		Yes	
S3BH05	4.9		No	
S3BH05R	0.5	Made Ground	No	
S3BH05R	1		No	
S3BH05R	1.5		Yes	Yes
S3BH05R	1.65		Yes	No
S3BH05R	2.5		Yes	
S3BH05R	3.2	Granular Alluvium	Yes	
S3BH06	0.2	Made Ground	No	
S3BH06	1.2		Yes	No
S3BH06R	0.2		No	No
S3BH06R	1.2		Yes	
S3BH06R	3	Granular Alluvium	No	
S3BH07R	0.8	Topsoil	No	
S3BH07R	1.2	Granular Alluvium	No	Yes
S3BH07R	2		Yes	No
S3BH07R	3.3		No	
S3BH08B	0.2	Made Ground	No	
S3BH08B	1.4	Cohesive Alluvium	Yes	
S3BH09R	1	Cohesive Alluvium	Yes	
S3BH11	0.5	Made Ground	Yes	
S3BH11	2.5	Granular Alluvium	Yes	
S3BH14R	0.2	Made Ground	Yes	
S3BH14R	0.5	Granular Alluvium	No	
S3BH14R	1		Yes	
S3BH15	0.5	Made Ground	Yes	
S3BH15	6.9		Yes	
S3TP06	0.2		Yes	

Location ID	Depth (mbgl)	Strata of soil sample	Soil leachate analysis undertaken	WAC testing undertaken
S3TP07	1	Cohesive Alluvium	Yes	
S3TP08	0.5		No	
S3TP10	0.2	Topsoil	No	
S3TP18	0.5	Granular Alluvium	Yes	
S3TP19	1		Yes	
S3TP21	0.5		Yes	
S3TP22	0.5		Yes	
S3TP23	0.5	Granular Alluvium	Yes	
S3TP24	0.2	Topsoil	Yes	
S3TP24	2	Granular Alluvium	Yes	
S3TP25	1	Cohesive Alluvium	No	
S3TP26	0.2	Topsoil	No	
S3TP27	1	Cohesive Alluvium	No	
S3TP29	0.5	Granular Alluvium	Yes	
S3TP34	0.2	Topsoil	Yes	
S3WS01	0.5	Cohesive Alluvium	Yes	
S3WS04	0.5	Granular Alluvium	Yes	
S3WS07	0.5	Made Ground	Yes	
S3WS07R	0.5	Made Ground	Yes	
S3BH16	0.5	Granular Alluvium	Yes	
S3BH17	1.0	Made Ground	Yes	
S3TP36	0.5	Granular Alluvium	No	
S3TP38	1.0		No	
S3TP41	0.5		Yes	
S3TP42	0.5		No	
S3TP43	0.8		No	
S3TP39	0.5		No	

Table E-5: Groundwater observations during the SGL GI

Location ID	Strike		Level after 20 minutes		Strata
	(m bgl)	(m AOD)	(m bgl)	m (AOD)	
S3BH08	2.70	7.29	2.00	7.99	anular Alluvium
S3BH09	3.10	9.52	2.30	10.32	
S3BH10	1.90	7.17	1.30	7.77	
S3BH13	2.30	8.74	1.90	9.14	
S3BH14	4.30	7.24	3.70	7.84	
S3BH14	1.30	10.24	1.25	10.29	
S3CPWS07	0.90	8.36	0.70	8.56	Made Ground

Location ID	Strike		Level after 20 minutes		Strata
	(m bgl)	(m AOD)	(m bgl)	m (AOD)	
S3TP06	1.60	8.83	1.50	8.93	Cohesive Alluvium
S3TP07	2.10	9.21	2.05	9.26	Granular Alluvium
S3TP08	1.70	9.41	1.60	9.51	
S3TP10	2.00	9.37	1.95	9.42	
S3TP12	2.40	8.80	2.35	8.93	Cohesive Alluvium
S3TP23	3.10	11.12	3.05	11.17	Weathered Mercia Mudstone
S3TP26	2.90	5.73	2.80	5.83	Granular Alluvium
S3TP27	2.80	8.56	2.73	8.63	
S3TP28	1.40	9.80	1.30	9.90	Cohesive Alluvium
S3TP29	1.40	9.01	1.30	9.11	Granular Alluvium
S3TP30	1.70	9.11	1.65	9.16	Cohesive Alluvium
S3TP31	1.30	9.17	1.20	9.27	Granular Alluvium
S3TP32	1.20	9.72	1.15	9.77	
S3TP33	1.50	9.20	1.40	9.30	
S3TP34	1.10	9.71	1.05	9.76	
S3WS01	2.00	9.25	2.00	9.25	Cohesive/ Granular Alluvium
S3WS06	3.00	10.20	2.80	10.40	Granular Alluvium

Table E-6: Summary of groundwater monitoring from SGL GI

Location ID	Date	Depth to water (m bgl)	Depth to water (m AOD)
S3WS01	25 January 2023	1.15	10.10
	27 February 2023	1.72	9.53
	4 April 2023	1.60	9.65
S3WS04	25 January 2023	2.50	9.30
	28 February 2023	DRY	-
	3 April 2023	2.62	9.18
S3WS05	25 January 2023	1.66	11.10
	27 February 2023	1.91	10.85
	3 April 2023	1.77	10.99
S3WS06	25 January 2023	1.15	11.61
	28 February 2023	1.51	11.19
	3 April 2023	1.23	11.97
S3WS07	25 January 2023	1.56	7.76
	28 February 2023	2.26	7.07
	3 April 2023	1.71	7.62
S3BH05	26 January 2023	2.54	7.38
	27 February 2023	DRY	-
	27 March 2023	DRY	-
S3BH06	26 January 2023	DRY	-
	27 February 2023	DRY	-

Location ID	Date	Depth to water (m bgl)	Depth to water (m AOD)
	27 March 2023	DRY	-
S3BH07	26 January 2023	2.38	7.47
	27 February 2023	2.98	6.87
	27 March 2023	2.87	6.98
BH07	26 January 2023	1.40	4.77
	27 February 2023	1.44	4.73
BH15	26 January 2023	1.06	8.70
	2 March 2023	1.65	8.11
	3 April 2023	1.28	8.48
BH17	26 January 2023	1.36	8.65
	2 March 2023	2.27	7.74
	3 April 2023	1.55	8.46
BH09	26 January 2023	1.09	7.85
	28 February 2023	1.31	7.63
	3 April 2023	0.97	7.97
WS31	26 January 2023	0.93	8.98
	2 March 2023	1.31	8.60
	3 April 2023	0.97	8.94
BH03A	26 January 2023	0.55	6.55
	2 March 2023	0.73	6.37
	4 April 2023	0.51	6.59
WS08	4 April 2023	0.15	10.44
BH56	4 April 2023	0.66	9.43

Table E-7: Summary of leachate extract from soil exceedances Tetra Tech

Determinant name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result (mg/l)
Arsenic	0.05	Made Ground	BH13	1.5	0.173
			BH43	1.3	0.0783
			WS46	2.3	0.0669
			BH42	1	0.0822
Cadmium	0.00008	Cohesive Alluvium	BH33	6.9	0.000105
			BH34	5.2	0.000148
		Granular Alluvium	BH43	6.9	0.000977
			BH44	5.4	0.000296
			WS28	0.7	0.000152
		Made Ground	BH08	8.6	0.000738
				10.5	0.000314
			BH42	9.8	0.000207

Determinant name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result (mg/l)
				10.5	0.000745
			BH45A	1.7	0.000336
			WS54	1.5	0.000184
			BH11	0.1	0.000117
			BH54	0.4	0.000117
		Granular Alluvium	TP04	1	0.0000935
		Made Ground	TP27	0.7	0.000193
Chromium	0.005	Granular Alluvium	BH13	14.4	0.0832
			WS65	0.6	0.00945
		Made Ground	BH42	9.8	0.00866
			BH43	1.3	0.0113
			TP43	0.6	0.0106
		Topsoil	TP45	0.1	0.0164
			BH11	0.1	0.00954
Copper	0.001	Granular Alluvium	BH17	0.4	0.00208
			BH26	4.6	0.00115
		Cohesive Alluvium	BH33	6.9	0.00343
			BH34	5.2	0.0134
			BH38	5.7	0.00157
		Granular Alluvium	TP08	0.5	0.00362
			TP35	0.7	0.00251
		Granular Alluvium	WS64	0.7	0.00347
		Granular Alluvium	WS65	0.6	0.00524
			WS70	0.8	0.00345
			WS71	0.7	0.00817
		Made Ground	BH05	0.3	0.00469
			TP39	0.4	0.0106
			TP43	0.6	0.00601
			WS46	2.3	0.0728
			WS48	1.5	0.00313
		Topsoil	BH16	0.1	0.00658
			TP44	0.1	0.00125
			TP45	0.1	0.00631
			WS66	0.1	0.00411
			WS67	0.7	0.00344
			WS72	0.1	0.00806
		Made Ground	BH11	0.1	0.00786
		Topsoil	BH12	0.3	0.00617
		Made Ground	BH24	1	0.00603
			BH25	1	0.00104
			BH28	1	0.00137

Determinant name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result (mg/l)
			BH45	0.55	0.00197
		Granular Alluvium	BH54	0.4	0.00625
		Topsoil	BH62	0.3	0.00298
		Granular Alluvium	BH65	0.4	0.00149
		Cohesive Alluvium	TP10	1	0.00277
		Made Ground	TP13	0.2	0.00169
				0.8	0.00167
			TP27	0.7	0.0119
Iron	1	Granular Alluvium	BH17	0.4	1.6
			BH26	4.6	1.28
		Cohesive Alluvium	BH33	6.9	1.29
			BH34	5.2	4.44
		Made Ground	BH08	8.6	1.42
			BH11	0.1	4.26
			TP27	0.7	1.22
Lead	0.0012	Granular Alluvium	BH26	4.6	0.0027
		Cohesive Alluvium	BH33	6.9	0.00677
			BH34	5.2	0.0338
		Granular Alluvium	TP08	0.5	0.0028
			WS65	0.6	0.00222
			WS71	0.7	0.00176
		Made Ground	TP39	0.4	0.00276
			WS46	2.3	0.0486
		Topsoil	TP44	0.1	0.00174
		Topsoil	TP45	0.1	0.0019
			WS67	0.7	0.00182
		Topsoil	WS72	0.1	0.00214
		Made Ground	BH11	0.1	0.0146
		Topsoil	BH12	0.3	0.00203
		Granular Alluvium	BH54	0.4	0.00169
		Made Ground	TP27	0.7	0.00427
Mercury	0.00007		WS46	2.3	0.000869
Nickel	0.004	Cohesive Alluvium	BH33	6.9	0.0128
			BH34	5.2	0.0145
			BH38	5.7	0.00502
		Made Ground	WS46	2.3	0.015
			BH11	0.1	0.00621
			TP27	0.7	0.00462
Vanadium	0.02		BH13	1.5	0.17
			BH42	9.8	0.202
				10.5	0.182
			BH43	1.3	0.195

Determinant name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result (mg/l)
			BH44	1.4	0.155
			BH45A	1.7	0.16
			BH11	0.1	0.0213
			BH42	1	0.0424
Zinc	0.0109	Granular Alluvium	BH03A	0.6	0.0109
			BH05	3	0.0528
			BH26	4.6	0.0537
		Cohesive Alluvium	BH28	6.4	0.0386
			BH33	6.9	0.125
		Granular Alluvium	BH43	6.9	0.226
			TP08	0.5	0.0157
			TP35	0.7	0.0135
			WS28	0.7	0.0566
			WS65	0.6	0.0121
		Made Ground	BH08	8.6	0.0162
			BH30	10.8	0.0996
			WS46	2.3	0.0193
		Topsoil	TP44	0.1	0.0866
			TP45	0.1	0.101
			WS72	0.1	0.138
		Cohesive Alluvium	BH06	1.3	0.0529
		Made Ground	BH11	0.1	0.108
			BH32	0.4	0.0374
			BH44	0.4	0.0254
			BH48	0.7	0.0674
		Granular Alluvium	BH54	0.4	0.0882
			BH61	1.3	0.0125
		Cohesive Alluvium	TP02	1	0.0341
		Made Ground	TP13	0.8	0.161
			TP27	0.7	0.0136
Chromium – Hexavalent	0.0034		WS46	2.3	0.0463
Sulphate as SO4	400		WS46	2.3	1040

Table E-8: Summary of leachate extract from soil exceedances SGL

Determinant Name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result
Arsenic	0.05	Made Ground	S3BH05	1.65	0.069
			S3BH15	6.9	0.15
Cadmium	0.00008		S3BH05R	1.5	0.00009
				2.5	0.00011

Determinant Name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result
				3.2	0.00024
		Granular Alluvium	S3BH07R	2	0.00022
		Cohesive Alluvium	S3BH09R	1	0.00009
		Made Ground	S3WS07R	0.5	0.0001
Chromium	0.005	Granular Alluvium	S3BH01	0.5	0.0087
		Cohesive Alluvium	S3BH08B	1.4	0.007
Copper	0.001	Granular Alluvium	S3BH01	0.5	0.0053
				1.4	0.002
			S3BH02	0.5	0.0027
		Made Ground	S3BH02R	0.5	0.03
			S3BH05	1.5	0.0018
				1.65	0.002
				3.2	0.027
			S3BH05R	1.5	0.015
				1.65	0.014
				2.5	0.013
				3.2	0.023
			S3BH06R	1.2	0.022
		Granular Alluvium	S3BH07R	2	0.02
		Made Ground	S3BH08B	0.2	0.034
		Cohesive Alluvium		1.4	0.0082
			S3BH09R	1	0.045
		Made Ground	S3BH11	0.5	0.0041
			S3BH14R	0.2	0.042
				1	0.03
			S3BH15	0.5	0.016
		Cohesive Alluvium	S3TP06	0.2	0.02
			S3TP07	1	0.0049
		Granular Alluvium	S3TP19	1	0.0098
			S3TP21	0.5	0.0026

Determinant Name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result
			S3TP23	0.5	0.012
		Topsoil	S3TP24	0.2	0.014
		Cohesive Alluvium		2	0.0032
			S3TP29	0.5	0.024
			S3TP34	0.2	0.036
		Granular Alluvium	S3WS04	0.5	0.0076
		Made Ground	S3WS07R	0.5	0.014
		Granular Alluvium	S3BH16	0.5	0.0055
		Made Ground	S3BH17	1.0	0.0033
		Granular Alluvium	S3TP41	0.5	0.0044
Iron	1	Granular Alluvium	S3BH01	0.5	1.9
				1.4	2.2
		Made Ground	S3BH02R	0.5	1.4
		Cohesive Alluvium	S3BH08B	1.4	2.4
			S3BH09R	1	1.2
		Made Ground	S3BH11	0.5	1.1
			S3BH14R	0.2	1.2
		Granular Alluvium		1	1.7
		Made Ground	S3BH15	0.5	2.4
		Cohesive Alluvium	S3TP06	0.2	1.4
			S3TP29	0.5	2.1
			S3TP34	0.2	1.8
		Made Ground	S3BH17	1	1.1
		Granular Alluvium	S3TP41	0.5	1.2
Lead	0.0012	Granular Alluvium	S3BH01	0.5	0.0055
				1.4	0.0012
		Made Ground	S3BH02R	0.5	0.0021
			S3BH05R	2.5	0.0019
			S3BH08B	0.2	0.0023

Determinant Name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result
		Granular Alluvium		1.4	0.0038
		Cohesive Alluvium	S3BH09R	1	0.0024
		Made Ground	S3BH14R	0.2	0.0047
		Granular Alluvium		1	0.0039
		Made Ground	S3BH15	0.5	0.0013
		Cohesive Alluvium	S3TP06	0.2	0.0066
			S3TP07	1	0.0025
		Granular Alluvium	S3TP19	1	0.0026
		Cohesive Alluvium	S3TP29	0.5	0.0034
			S3TP34	0.2	0.0053
		Granular Alluvium	S3BH16	0.5	0.0021
		Made Ground	S3BH17	1.0	0.0023
		Granular Alluvium	S3TP41	0.5	0.0015
Mercury	0.00007	Made Ground	S3BH15	6.9	0.0001
Nickel	0.004	Granular Alluvium	S3BH01	0.5	0.0057
		Made Ground	S3BH05R	3.2	0.026
		Cohesive Alluvium	S3TP06	0.2	0.0045
Vanadium	0.02	Made Ground	S3BH15	6.9	0.12
Zinc	0.0109	Granular Alluvium	S3BH01	0.5	0.028
		Made Ground	S3BH02R	0.5	0.015
			S3BH05R	1.5	0.012
				1.65	0.015
				2.5	0.012
				3.2	0.051
			S3BH06R	1.2	0.011

Determinant Name	EQS (mg/l)	Stratum	Location ID	Sample depth (m bgl)	Result
		Granular Alluvium	S3BH07R	2	0.016
		Made Ground	S3BH08B	0.2	0.018
		Granular Alluvium		1.4	0.026
		Cohesive Alluvium	S3BH09R	1	0.03
		Made Ground	S3BH14R	0.2	0.018
		Granular Alluvium		1	0.029
		Made Ground	S3BH15	0.5	0.016
		Cohesive Alluvium	S3TP06	0.2	0.03
		Granular Alluvium	S3TP19	1	0.012
		Cohesive Alluvium	S3TP29	0.5	0.025
			S3TP34	0.2	0.026
		Granular Alluvium	S3WS04	0.5	0.015
Ammoniacal Nitrogen as N	0.2	Made Ground	S3BH05	3.2	2.6
			S3BH05R	1.65	0.36
				3.2	0.84
Sulphate as SO4	400		S3BH05R	1.5	412
				1.65	754
				2.5	631
			S3BH15	6.9	1500

Table E-9: Summary of groundwater exceedances Tetra Tech

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
Cadmium	0.00008	BH02	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	-	0.0000806	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
		BH03	Cohesive Alluvium and Granular Alluvium	-	-	0.000189
		BH05	Made Ground/ Granular Alluvium	-	0.000155	-
		BH06	Cohesive Alluvium/Granular Alluvium	-	0.000133	0.000478
		BH07	Cohesive Alluvium/ Granular Alluvium	0.000536	0.000137	0.000628
		BH09		0.00018	0.000148	0.000697
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.000175	0.000118	0.000898
		BH11		0.000152	0.000115	0.000146
		BH15	Granular Alluvium/ Mercia Mudstone Group	-	0.000152	-
		BH19		0.000173	0.0001	-
		BH21	-	-	0.000481	0.00143
		BH22	-	-	0.0000913	-
		BH56	Granular Alluvium	-	0.000135	0.000799
		BH60		-	0.00479	0.00855
		BH61		0.00103	0.000113	-
		WS08		-	0.000134	0.000809
		WS15	Cohesive Alluvium and Granular Alluvium	-	0.000157	0.000747
		WS25		-	0.00014	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
		WS26	Granular Alluvium	-	0.000139	-
		WS31		-	0.000171	0.0000919
		WS48	Made Ground	0.00158	-	-
		WS50A	Granular Alluvium	0.00394	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	0.00407	0.00315	0.000124
		WS66	Granular Alluvium	0.00398	-	-
Copper	0.00231	BH03	-	-	-	0.0036
		BH12	Granular Alluvium	0.0164	-	-
		BH19	Granular Alluvium/ Mercia Mudstone Group	0.00438	-	-
		BH22	-	-	0.00254	-
		BH60	Granular Alluvium	-	0.0137	0.00866
		BH61		0.00385	-	-
		WS08		-	-	0.0238
		WS54	Cohesive Alluvium and Granular Alluvium	-	-	0.00592
		WS66	Granular Alluvium	0.00283	-	-
Iron	1	BH03A	Cohesive Alluvium/ Granular Alluvium	-	24.3	
		BH03	-	-	-	2.81
		BH06	Cohesive Alluvium/Granular Alluvium	-	1.16	-
		BH07	Cohesive Alluvium/	-	1.16	5.07

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Granular Alluvium			
		BH09	Cohesive Alluvium/ Granular Alluvium	-	1.12	4.88
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	-	1.19	3.33
		BH11		-	2.2	-
		BH15	Granular Alluvium/ Mercia Mudstone Group	-	1.96	-
		BH56	Granular Alluvium	14.4	-	3.25
		BH60		2.21	1.75	-
		BH61		3.27	1.4	11.2
		WS12		-	14.7	12.9
		WS15	Cohesive Alluvium and Granular Alluvium	-	-	3.2
		WS25		16.2	1.03	-
		WS26	Granular Alluvium	-	1.24	-
		WS31		-	1.31	-
		WS48	Made Ground	4.06	-	-
		WS50A	Granular Alluvium	6.55	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	6.67	4.86	-
Lead	0.0012	BH07	Cohesive Alluvium/ Granular Alluvium	-	-	0.00131
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia	-	-	0.00127

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Mudstone Group			
		BH60	Granular Alluvium	-	0.00662	0.00563
		BH61		0.00318	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	-	-	0.00207
Nickel	0.00588	BH05	Made Ground/ Granular Alluvium	0.0103	-	-
		BH06	Cohesive Alluvium/Granular Alluvium	-	-	0.00606
		BH07	Cohesive Alluvium/ Granular Alluvium	0.0152	-	-
		BH21	-	-	-	0.0104
		BH56	Granular Alluvium	0.00877	-	-
		BH60		-	0.237	0.231
		BH61		0.129	-	-
		WS15	Cohesive Alluvium and Granular Alluvium	0.0175	-	-
		WS48	Made Ground	0.0333	0.0104	-
		WS50A	Granular Alluvium	0.0403	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	0.0409	0.0313	-
		WS66	Granular Alluvium	0.0423	-	-
Phenol	0.0077	BH12		0.16	-	-
Zinc	0.01723	BH03	-	-	-	0.0252
		BH11	Cohesive Alluvium/ Granular Alluvium/	-	-	0.159

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Mercia Mudstone Group			
		BH12	Granular Alluvium	0.0304	-	-
		BH21	-	-	0.768	-
		BH60	Granular Alluvium	-	0.0967	0.0979
		BH61		0.0645	-	-
		WS08		-	-	0.0211
		WS48	Made Ground	0.12	-	-
		WS50A	Granular Alluvium	0.206	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	0.213	0.157	0.0278
		WS66	Granular Alluvium	0.214	-	-
Ammoniacal Nitrogen as N	0.2	BH03A	Cohesive Alluvium/ Granular Alluvium	-	0.642	-
		BH03	-	-	-	0.375
		BH05	Made Ground/ Granular Alluvium	0.998		-
		BH06	Cohesive Alluvium/Granular Alluvium	0.26	-	-
		BH11	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.558	-	-
		BH12	Granular Alluvium	0.827	-	-
		BH14	Cohesive Alluvium/	0.373	-	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Granular Alluvium			
		BH18	Mercia Mudstone Group	-	-	0.265
		BH19	Granular Alluvium/ Mercia Mudstone Group	0.975	-	-
		BH56	Granular Alluvium	0.785	-	-
		WS15	Cohesive Alluvium and Granular Alluvium	0.59	-	-
		WS25	Cohesive Alluvium and Granular Alluvium	0.552	-	-
		WS48	Made Ground	0.249	-	-
		WS50A	Granular Alluvium	0.229	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	0.215	0.219	-
Cyanide	0.001	BH11	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.9	-	-
Sulphate as SO4	400	BH01	Mercia Mudstone Group	-	1560	495
		BH02	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	-	1570	-
		BH05	Made Ground/	2240	-	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Granular Alluvium			
		BH06	Cohesive Alluvium/Granular Alluvium	2570	1310	1350
		BH07	Cohesive Alluvium/ Granular Alluvium	462	-	-
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	805	-	-
		BH12	Granular Alluvium	1770	-	1550
		BH14	Cohesive Alluvium/ Granular Alluvium	1850	1580	1520
		BH15	Granular Alluvium/ Mercia Mudstone Group	914	-	-
		BH16	Granular Alluvium/ Mercia Mudstone Group	1160	880	764
		BH17	Granular Alluvium/ Mercia Mudstone Group	413	412	-
		BH18	Mercia Mudstone Group	1240	598	540
		BH60	Granular Alluvium	-	512	497
		WS25	Cohesive Alluvium and Granular Alluvium	637	-	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
		WS48	Made Ground	418	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	-	-	1530
		WS66	Granular Alluvium	502	-	-
Chlorpyriphos	0.00003	WS15	Cohesive Alluvium and Granular Alluvium	0.00025	-	-
		BH61	Granular Alluvium	-	-	0.000039
Anthracene	0.0001	BH12		0.000197	-	-
		WS48	Made Ground	0.00144	-	-
Fluoranthene	0.0000063	BH02	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.00000799	-	-
		BH05	Made Ground/ Granular Alluvium	0.000459	-	0.00018
		BH06	Cohesive Alluvium/Granular Alluvium	0.0000333	-	0.000012
		BH09	Cohesive Alluvium/ Granular Alluvium	0.0000534	-	-
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.0000959	-	0.000011
		BH11	Cohesive Alluvium/ Granular	0.0000479	-	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
			Alluvium/ Mercia Mudstone Group			
		BH12	Granular Alluvium	0.002	0.0000097	-
		BH14	Cohesive Alluvium/ Granular Alluvium	0.0000354	-	0.000018
		BH15	Granular Alluvium/ Mercia Mudstone Group	0.0000565	-	0.000207
		BH16	Granular Alluvium/ Mercia Mudstone Group	0.0000741	-	0.0000237
		BH17	Granular Alluvium/ Mercia Mudstone Group	-	0.0000111	0.0000087
		BH19	Granular Alluvium/ Mercia Mudstone Group	-	0.000008	0.0000473
		BH21	-	-	-	0.0000158
		BH22	-	-	0.0000391	0.000384
		BH56	Granular Alluvium	0.000395	-	0.0000108
		BH60		0.000352	-	-
		BH61		0.000197	-	0.0000663
		WS08		-	-	0.0000192
		WS15	Cohesive Alluvium and	0.000177	-	-

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
		WS25	Granular Alluvium	0.000113	-	-
		WS26	Granular Alluvium	0.0000113	-	-
		WS31		0.0000149	-	-
		WS48	Made Ground	0.0157	-	-
		WS50A	Granular Alluvium	0.0000479	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	0.0000226	-	0.00003
		WS66	Granular Alluvium	0.0000392	-	-
Benzo(a)pyrene	0.00000017	BH05	Made Ground/ Granular Alluvium	0.000352	-	0.00011
		BH06	Cohesive Alluvium/Granular Alluvium	0.0000292	-	0.0000659
		BH09	Cohesive Alluvium/ Granular Alluvium	0.0000368	-	-
		BH10	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	0.0000736	-	0.0000411
		BH11		0.0000361	-	-
		BH12	Granular Alluvium	0.00151	-	-
		BH14	Cohesive Alluvium/ Granular Alluvium	0.0000241	-	-
		BH15	Granular Alluvium/ Mercia	0.0000599	-	0.000136
		BH16		0.0000467	-	0.0000137

Determinand	EQS (mg/l)	Location ID	Stratum	Concentration (mg/l)		
				Aug 2021	Nov 2021	Feb 2022
		BH17	Mudstone Group	-	0.000009	-
		BH19		-	-	0.0000251
		BH22	-	-	0.0000275	0.000262
		BH56	Granular Alluvium	0.000189	-	0.0000457
		BH60	Granular Alluvium	0.000224	-	
		BH61		0.000132	-	
		WS08		-	-	0.0000769
		WS15	Cohesive Alluvium and Granular Alluvium	0.0000989	-	-
		WS25	Cohesive Alluvium and Granular Alluvium	0.0000668	-	-
		WS31	Granular Alluvium	0.0000794	-	-
		WS48	Made Ground	0.0122	-	-
		WS50A	Granular Alluvium	0.0000333	-	-
		WS54	Cohesive Alluvium and Granular Alluvium	-	-	0.0000866
		WS66	Granular Alluvium	0.0000263	-	-

Table E-10: Summary of groundwater exceedances SGL

Determinand	EQS (mg/l)	Location ID	Strata	Concentration (mg/l)	
				Jan 2023	Feb 2023
Cadmium	0.00008	S3WS01	Cohesive / Granular Alluvium	0.0002	0.00022
		S3WS06	Granular Alluvium	0.003	0.00028
		S3WS07		0.001	-
Copper	0.00231	S3WS06		0.011	0.017

Determinand	EQS (mg/l)	Location ID	Strata	Concentration (mg/l)	
				Jan 2023	Feb 2023
		S3WS05		0.0025	-
Nickel	0.00588	S3BH07		-	0.011
		S3WS06		0.0082	0.011
Chloride	250	S3BH07		-	1700
Ammoniacal Nitrogen as N	0.2	S3BH07		-	0.63
Cyanide	0.001	S3BH07		-	0.013
		S3WS06		-	0.0017
Manganese	0.22	S3BH07		-	2.2
		S3WS01	Cohesive / Granular Alluvium	-	6
Sulphate as SO4	400	S3WS07	Granular Alluvium	740	1100
Trichloroethene	0.01	S3WS07		-	0.0196

Table E-11: Summary of surface water exceedances TetraTech

Determinand	EQS (mg/l)	Location ID	Concentration (mg/l)		
			Aug 2021	Nov 2021	Mar 2022
Cadmium	0.00008	SW1	-	0.000124	-
		SW2	-	-	0.000204
		SW3	No sample	0.000241	0.000128
		SW4	No sample	0.000218	0.000169
		SW5	0.000091	0.000388	0.00448
		SW6	0.0000952	0.00037	0.000122
Copper	0.00231	SW1	0.00419	0.00523	0.00373
		SW2	0.00429	0.00366	0.00586
		SW3	No sample	0.0067	0.00447
		SW4	No sample	0.00679	0.00482
		SW5	0.00486	0.0101	0.00448
		SW6	0.00466	0.00873	0.00445
Iron	1	SW5	-	1.14	-
		SW6	-	1.02	-
Lead	0.0012	SW1	-	0.00213	-

Determinand	EQS (mg/l)	Location ID	Concentration (mg/l)		
			Aug 2021	Nov 2021	Mar 2022
		SW2	-	-	0.0098
		SW3	No sample	0.00524	0.00385
		SW4	No sample	0.005	0.00446
		SW5	-	0.0127	0.00329
		SW6	-	0.0112	0.00324
Nickel	0.00588	SW2	0.00602	-	-
		SW3	No sample	0.00601	-
		SW4	No sample	0.0063	-
		SW5	-	0.00749	-
		SW6	-	0.00709	-
Zinc	0.01723	SW1	-	0.0239	-
		SW2	-	-	0.0292
		SW4	No sample	0.0334	0.0214
		SW5	-	0.0547	0.0193
		SW6	-	0.0544	0.0195
Ammoniacal Nitrogen as N	0.2	SW1	-	0.473	-
		SW2	-	0.443	-
		SW3	No sample	0.404	-
		SW4	No sample	0.405	-
		SW5	-	0.410	-
		SW6	-	0.446	-
Fluoranthene	0.0000063	SW1	0.0000307	0.0000271	0.0000195
		SW2	0.0000183	0.0000303	0.000133
		SW3	No sample	0.0000249	0.0000181

Determinand	EQS (mg/l)	Location ID	Concentration (mg/l)		
			Aug 2021	Nov 2021	Mar 2022
		SW4	No sample	0.0000287	0.0000189
		SW5	0.0000207	0.0000373	0.0000168
		SW6	0.0000778	0.000107	0.0000156
Benzo(a) pyrene	0.00000017	SW1	-	0.0000208	0.0000113
		SW2	-	0.0000181	0.0000795
		SW3	No sample	0.0000159	0.0000109
		SW4	No sample	0.0000163	0.0000111
		SW5	0.0000135	0.0000217	0.0000103
		SW6	0.0000456	0.0000601	0.0000118

Table E-12: Summary of ground gas monitoring results

Exceeds long term WEL (0.5% vol)	
Exceeds short term WEL (0.5% vol)	

Location ID	Response zone (mbgl)	Strata	Groundwater level (mbgl)	Flow rate (l/hr)	Methane (%vol)	Carbon dioxide (%vol)	Oxygen (%vol)	Hydrogen sulphide (ppm)	Carbon monoxide (ppm)	PID reading (ppm)
WS67	2.00 – 2.60	Granular Alluvium	Dry	0.0	0.0	0.3 – 2.5	15.3 – 19.8	0.0	1.0 – 2.0	0.3 – 0.6
BH21	-	-	2.33 – 3.80	0.1 – 0.1	0.0 – 0.4	0.2 – 1.9	18.9 – 19.5	0.0	0.0	0.2
BH22	-	-	3.40 – 4.13	0.0	0.0 – 0.4	0.1 – 0.9	17.9 – 21.3	0.0	0.0 – 1.0	0.2 – 1.0
WS66	1.00 – 3.00	Granular Alluvium	2.39 – 2.78	0.0	0.0 – 0.4	0.4 – 0.9	19.3 – 20.8	0.0	0.0	0.0 – 1.1
BH19	1.00 – 5.00	Granular Alluvium/Mercia Mudstone Group	0.33 – 0.64	0.0 – 0.4	0.1	6.0 – 6.9	11.6 – 12.6	0.0	1.0	0.4 – 1.0
BH15	1.00 – 4.00	Granular Alluvium/ Mercia Mudstone Group	1.10 – 2.13	0.1 – 0.3	0.1	0.2 – 2.0	18.9 – 20.1	0.0	1.0 – 2.0	0.2 – 0.4
BH66	1.00 – 3.00	Granular Alluvium	Dry	0.0	0.0	2.0 – 2.6	18.1 – 18.7	0.0	1.0	0.1

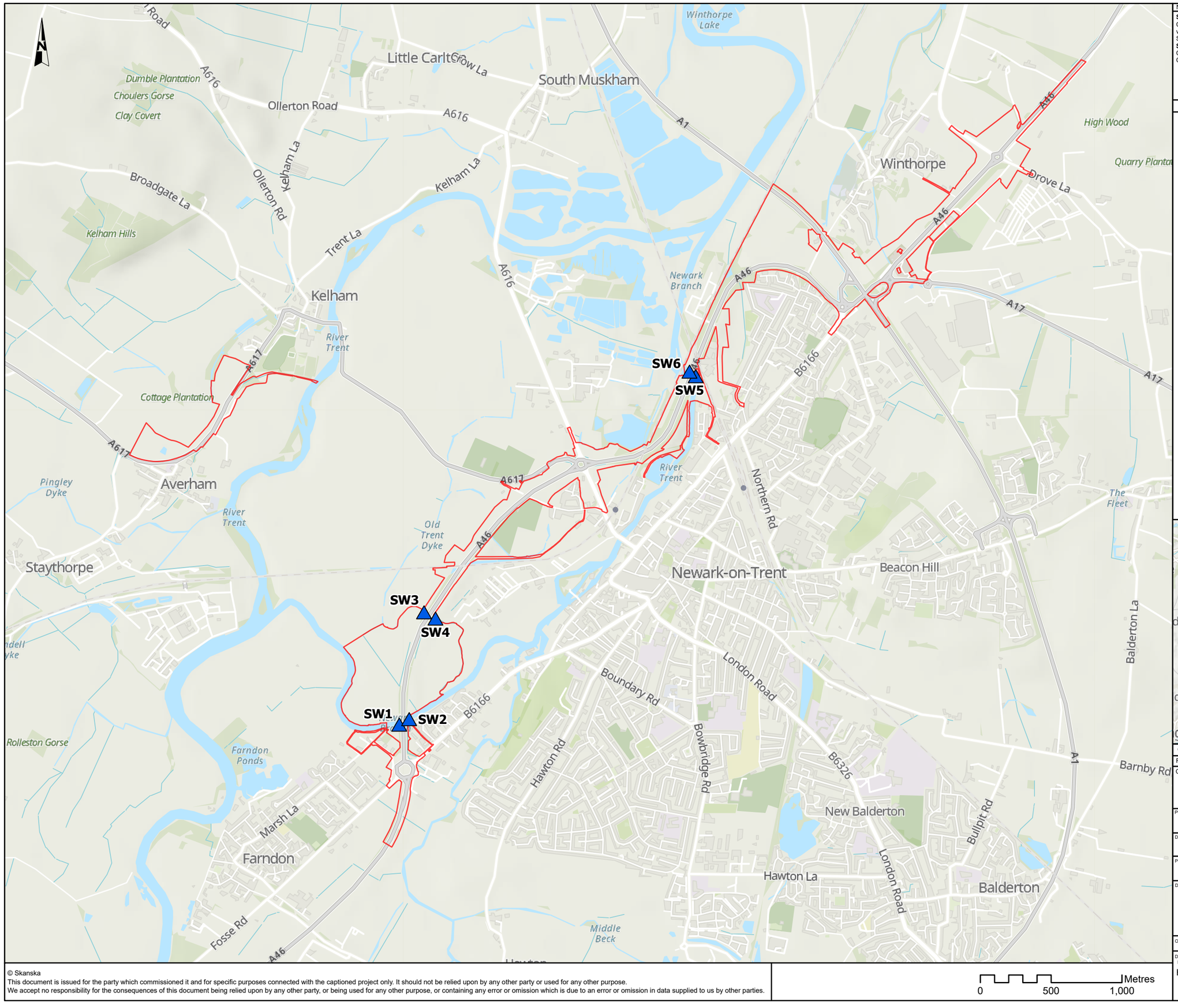
Location ID	Response zone (mbgl)	Strata	Groundwater level (mbgl)	Flow rate (l/hr)	Methane (%vol)	Carbon dioxide (%vol)	Oxygen (%vol)	Hydrogen sulphide (ppm)	Carbon monoxide (ppm)	PID reading (ppm)
BH17	2.00 – 18.70	Granular Alluvium/Mercia Mudstone Group	2.19 – 2.55	0.0	0.0	1.0 – 1.8	17.1 – 18.9	0.0	1.0 – 2.0	0.1 – 0.2
BH18	2.00 – 7.00		2.77 – 2.82	0.0	0.1	1.3 – 1.8	16.8 – 17.0	0.0	2.0	0.0 – 0.3
BH16	2.00 – 6.00		2.69 – 3.52	0.0	0.0	1.5 – 3.5	17.9 – 19.0	0.0	0.0 – 1.0	0.0
BH01	5.00 – 15.00	Mercia Mudstone Group	1.10 – 1.73	0.0 – 2.1	0.0	0.4 – 1.3	19.9 – 20.6	0.0	0.0 – 1.0	0.0
BH14	1.00 – 4.00	Cohesive Alluvium/ Granular Alluvium	2.10 – 3.02	0.1 – 0.3	0.1 – 0.4	1.3 – 4.0	18.3 – 19.9	0.0	0.0	0. – 2.9
WS48	Dry – 2.00	Made Ground	1.88 – 2.13	0.1 – 0.3	0.1 – 0.4	2.9 – 6.6	16.2 – 17.4	0.0	1.0	0.2 – 0.9
WS50	1.96 – 4.00	Made Ground/ Granular Alluvium	Dry – 3.68	-0.1 – 0.2	0.1 – 0.4	0.9 – 6.4	17.1 – 17.5	0.0	0.0 – 2.0	0.6 – 1.1
WS54	3.00 – 5.00	Cohesive Alluvium/ Granular Alluvium	0.80 – 1.73	-0.1 – 0.0	0.1 – 0.4	1.5 – 3.1	16.4 – 19.3	0.0	0.0 – 2.0	0.4 – 0.7
BH12	1.00 – 6.00	Granular Alluvium	2.33 – 2.91	0.0 – 0.3	0.0 – 0.4	0.3 – 7.3	13.1 – 19.6	0.0 – 3.0	1.0	0.3 – 1.2
BH11	1.00 – 6.00	Cohesive Alluvium/ Granular	3.31 – 3.71	0.0 – 0.1	6.1	0.1 – 0.5	14.6 – 19.6	0.0	1.0	0.1 – 0.8
BH10	1.00 – 5.00		1.75 – 1.89	0.0 – 0.2	0.0	0.3 – 2.0	18.1 – 19.7	0.0	0.0 – 1.0	0.1 – 0.2

Location ID	Response zone (mbgl)	Strata	Groundwater level (mbgl)	Flow rate (l/hr)	Methane (%vol)	Carbon dioxide (%vol)	Oxygen (%vol)	Hydrogen sulphide (ppm)	Carbon monoxide (ppm)	PID reading (ppm)
		Alluvium/ Mercia Mudstone Group								
BH07	1.00 – 5.00	Made Ground/Granular Alluvium	1.33 -1.49	0.1 – 0.3	0.1	2.2 – 3.4	17.1 – 18.5	0.0	2.0	0.1
BH09	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium	1.29 – 1.46	-1.8 – 5.9	0.0 – 0.2	0.8 – 1.3	18.4 – 18.9	0.0	1.0 – 3.0	0.2 – 1.8
WS26	1.00 – 3.50	Granular Alluvium	1.70 – 1.99	0.0 – 0.6	0.0 – 0.2	0.1 – 1.3	19.8 – 20.7	0.0	0.0 – 1.0	0.1
BH02	1.00 – 5.00	Cohesive Alluvium/ Granular Alluvium/ Mercia Mudstone Group	1.00 – 1.08	0.0 – 0.3	0.0 – 0.1	2.4 – 3.2	17.7 – 18.2	0.0	1.0	0.2 – 0.3
WS08	1.00 – 5.00	Granular Alluvium	1.01 – 1.14	0.0 – 0.2	0.0	0.1 – 0.6	18.8 – 20.7	0.0	1.0	0.2
WS12	1.00 – 3.00		0.55 – 2.44	0.0 – 0.8	0.1	4.9 – 5.8	9.9 – 10.5	0.0	1.0	0.8 – 1.1
BH03A	-	-	1.02 – 1.06	-0.2 – -0.1	0.0	5.5 – 6.7	13.4 – 16.0	0.0	3.0	0.3 – 0.7
WS15	1.00 – 3.00	Cohesive Alluvium and	1.20 – 1.40	0.0 – 0.2	0.1	2.9 – 3.5	17.6 – 18.1	0.0	1.0	0.5 – 1.0

Location ID	Response zone (mbgl)	Strata	Groundwater level (mbgl)	Flow rate (l/hr)	Methane (%vol)	Carbon dioxide (%vol)	Oxygen (%vol)	Hydrogen sulphide (ppm)	Carbon monoxide (ppm)	PID reading (ppm)
		Granular Alluvium								
WS31	1.00 – 4.00	Granular Alluvium	1.74 – 2.40	0.0 – 0.3	0.0	1.7 – 4.7	17.1 – 19.3	0.0	1.0 – 8.0	0.6 – 1.0
WS25	0.50 – 3.50	Cohesive Alluvium and Granular Alluvium	2.00 – 2.56	0.0 – 0.2	0.0	1.1 – 2.0	17.9 – 20.1	0.0	0.0	0.1 – 0.2
BH56	-	-	1.12 – 1.66	0.0 – 0.2	0.0 – 0.1	2.0 – 2.8	13.6 – 17.7	0.0	0.0 – 1.0	0.1 – 1.0
BH05	1.00 – 5.00	Made Ground/ Granular Alluvium	2.07 – 2.31	0.0 – 0.3	0.0	0.2 – 1.0	14.7 – 19.0	0.0	1.0 – 2.0	0.1 – 0.5

*Range has been based on assumptions excluding anomalous result

Appendix F: Drawings



NOTES

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Surface water data collected by Mott MacDonald, 2023.
Service Layer Credits
Contains OS data © Crown Copyright and database right 2023
Contains data from OS Zoomstack

KEY TO SYMBOLS

- Order Limits
- Surface water sampling location

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C01	08/12/23	DCO APPLICATION	JB	NR	HF

CLIENT: national highways

PURPOSE OF ISSUE: DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER: TR010065

PROJECT TITLE: A46 NEWARK BYPASS

DRAWING TITLE: Appendix F
Surface Water Sampling Locations

ORIGINAL SIZE: A3

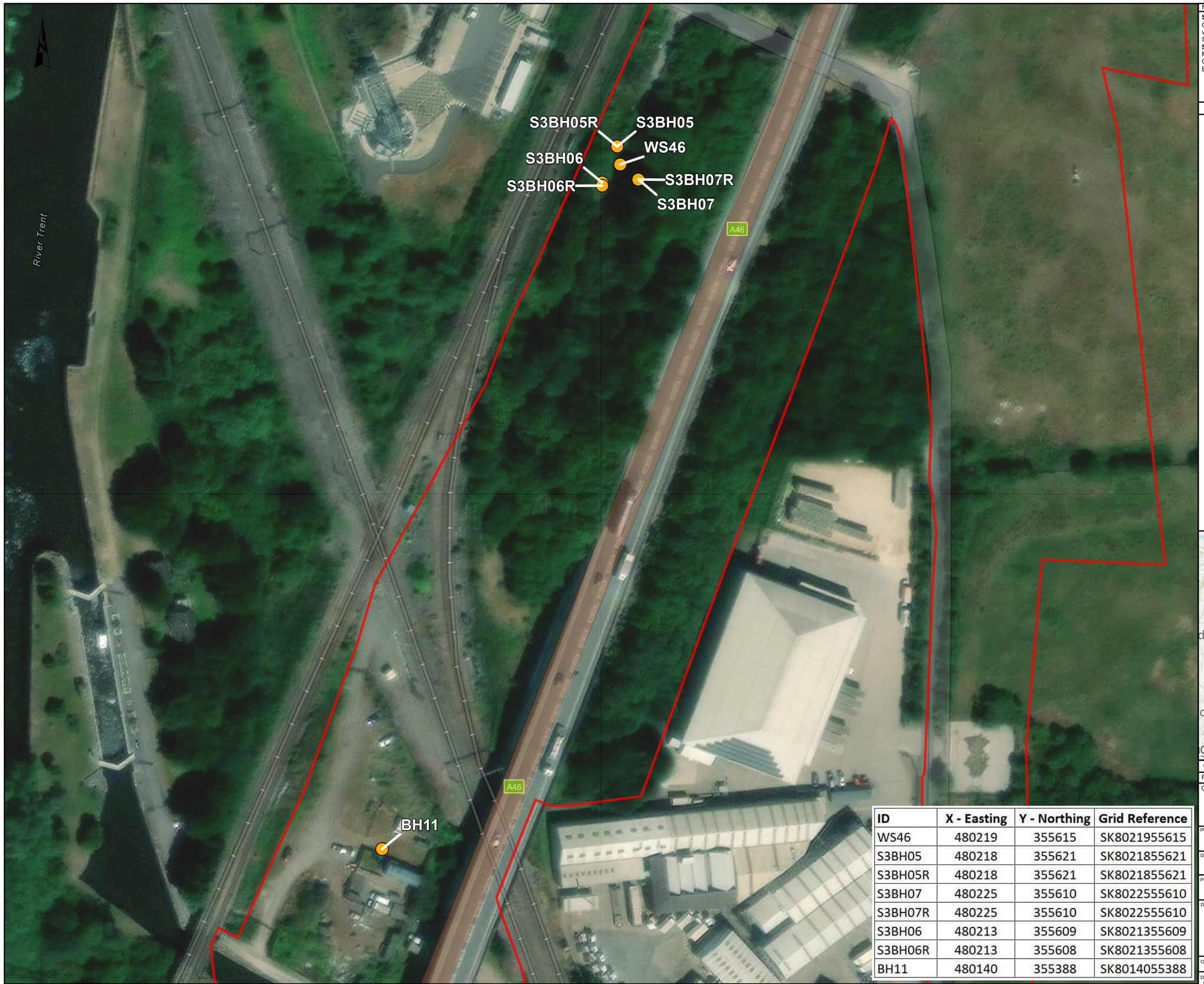
SCALE: 1:25,000

DRAWING NUMBER: HE PIN HE551478 | ORIGINATOR SKAG | VOLUME EGT | LOCATION CONWI_CONW | TYPE DR | ROLE LE | NUMBER 00018

PROJECT REF NO.: HE551478

REVISION: C01

0 500 1,000 Metres



ID	X - Easting	Y - Northing	Grid Reference
WS46	480219	355615	SK8021955615
S3BH05	480218	355621	SK8021855621
S3BH05R	480218	355621	SK8021855621
S3BH07	480225	355610	SK8022555610
S3BH07R	480225	355610	SK8022555610
S3BH06	480213	355609	SK8021355609
S3BH06R	480213	355608	SK8021355608
BH11	480140	355388	SK8014055388

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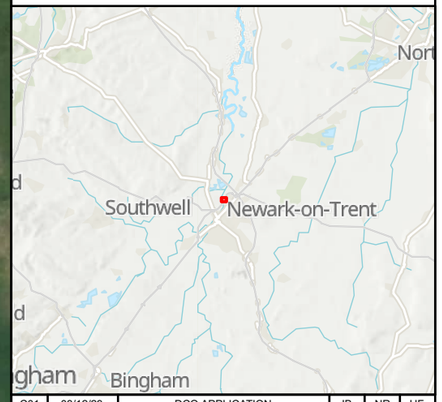
Contains data from OS Zoomstack, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS

KEY TO SYMBOLS

- Order Limits
- Contamination hotspot exploratory hole



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C01	08/12/23	DCO APPLICATION	JB	NR	HF

CLIENT: national highways

PURPOSE OF ISSUE: DCO APPLICATION

DEVELOPMENT CONSENT ORDER NUMBER: TR010065

PROJECT TITLE: A46 NEWARK BYPASS

DRAWING TITLE: Appendix F
Contamination Hotspot Exploratory Holes

ORIGINAL SIZE: A3 | SCALE: 1:1,200

DRAWING NUMBER: HE PIN HE551478 | ORIGINATOR SKAG | VOLUME EGT | LOCATION CONWI_CONW | TYPE DR | ROLE LE | NUMBER 00019

PROJECT REF NO.: HE551478

REVISION: C01

0 25 50 Metres

Appendix G: GIR

A46 Newark Bypass

TR010065/APP/6.3

Appendix 9.2 Contaminated Land Risk Assessment

Appendix G Ground Investigation Report

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Volume 6

February 2024

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

APPENDIX G Ground Investigation Report

Regulation Number:	Regulation 5(2)(A)
Planning Inspectorate Scheme Reference	TR010065
Application Document Reference	TR010065/APP/6.3
Author:	A46 Newark Bypass Project Team, National Highways

Version	Date	Status of Version
Rev 1	February 2024	DCO Application

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1. Executive Summary

The Newark Bypass Scheme has been developed by National Highways (NH) to dual the remaining section of the A46 between Leicester and Lincoln to address congestion around Newark. This scheme seeks to address these problems through construction of a new 2-lane carriageway around 6.5km in length to link the existing dual carriageway to the north of the A1 to the A46 dual carriageway south of Farndon roundabout.

The proposed scheme includes new structures to enable the road to cross the River Trent, Nottingham to Lincoln railway, existing Cattle Market Roundabout, East Coast Main Line, Nether Lock Canal, the A1 and some smaller access under bridges.

Following an instruction from NH, the investigation was procured as an Early Works Order by Skanska. Strata Geotechnics Limited (SGL) were awarded the contract to undertake the investigation.

This Ground Investigation Report (GIR) summarises the ground investigation works carried out by SGL, together with previous ground investigations.

The ground investigation confirmed the geological sequence below the site to comprise a variety of superficial deposits overlying the solid geology. The Superficial Deposits comprise Topsoil, Made Ground, Cohesive & Granular Alluvium. The solid geology comprises Mercia Mudstone recovered as partially and fully weathered.

Laboratory testing has been carried out to enable the determination of characteristic soil parameters for use in the geotechnical design of the scheme.

Groundwater monitoring has been undertaken during the site works and is currently ongoing. Monitoring continues to be undertaken by Strata following completion of the site works to inform environmental aspects of design.

2. Introduction

2.1 Scheme context

The A46 forms part of the strategic Trans-Midlands Trade Corridor between the M5 in the southwest and the Humber Ports in the northeast. The improvements to the A46 corridor are detailed within the Department for Transport's (DfT) second Road Investment Strategy (RIS2) as a mechanism for underpinning the wider economic transformation of the country. RIS2 makes a commitment to create a continuous dual carriageway from Lincoln to Warwick.

The stretch of A46 between the Farndon Junction, to the west of Newark-on-Trent and the A1 to the east of Newark-on-Trent, is the last remaining stretch of single carriageway between the M1 and A1 and consequently queuing traffic is a regular occurrence, often impacting journey time reliability.

Further details on the need for the scheme are contained within the Case for the Scheme [TR010065/APP/7.1].

2.2 Scheme location

The scheme would provide a dual carriageway on the A46 between Farndon and Winthorpe in Nottinghamshire. The Farndon roundabout is located at the southern extent of the scheme where the B6166 Farndon Road joins the A46.

The Winthorpe junction is located at the northern extent where the A1133 joins the A46. Along its route, it crosses the A617 and the B6326, at the Cattle Market junction, and the A1 between the Friendly Farmer and Brownhills roundabouts. The figure in Appendix C shows the location of the scheme.

The scheme is situated within the county boundary of Nottinghamshire County Council and within the administrative boundary of Newark and Sherwood District Council.

The scheme crosses the River Trent twice, the Nottingham to Lincoln railway line twice, and the East Coast Main Line once.

The existing A46, currently a single carriageway, is elevated on embankments due to the low-lying floodplain of the River Trent. This floodplain is located to the west of the A46 for the majority of the affected length, along with a section at the southern end on the eastern side of the A46. Several roundabouts form key junctions along the route, linking local A roads. Road infrastructure is softened by roadside vegetation in places and the River Trent is a strong natural influence within an otherwise built-up landscape. To the north of the A46, farmland dominates, interspersed with small-scale settlements. To the south of the A46, the town of Newark-on-Trent forms a notable urban settlement.

2.3 Scheme aims and objectives

The aim of the proposed scheme is to increase capacity and reduce traffic congestion on the A46 around Newark. This will directly contribute to the UK, regional and local Government's transport and economic growth plans by improving connectivity from Lincolnshire to the national motorway network, and improving route standard consistency for the A46, providing a consistent high standard dual carriageway between the Midlands and Lincoln.

Scheme-specific objectives have been used to develop the proposed scheme design which are set out below:

Safety	Improving safety through scheme design to reduce collisions for all users of the A46 scheme.
Congestion	Improve journey time and journey time reliability along the A46 and its junctions between Farndon and Winthorpe, including all approaches and A1 slip roads.
Connectivity	Accommodate economic growth in Newark-on-Trent and the wider area by improving its strategic and local connectivity.
Environment	Deliver better environmental outcomes by achieving a net gain in biodiversity and improve noise levels at Noise Important Areas along the A46 between Farndon and Winthorpe junctions.
Customer	Build an inclusive scheme which improves facilities for cyclists, walkers and other vulnerable users where existing routes are affected.

2.4 Scheme description

The section of the A46 that is to be upgraded is approximately 6.5 kilometres in length. The scheme comprises on-line widening for the majority of its length between Farndon roundabout and the A1. A new section of offline dual carriageway is proposed between the western and eastern sides of the A1 before the new dual carriageway ties into the existing A46 to the west of Winthorpe roundabout. The widening works include earthwork widening along the existing embankments, and new structures where the route crosses the railway lines, River Trent, the A1 and local roads.

The scheme consists of the following principal elements:

- Widening of the existing A46 to a dual carriageway for a distance of 6.5 kilometres to provide two traffic lanes in both directions.
- Partial signalisation of Farndon roundabout at the southern extents of the scheme.
- A new grade-separated junction at Cattle Market junction with the A46 elevated to pass over the roundabout. A larger roundabout beneath the A46 to provide increased capacity.
- A new off-line section to bypass the existing Brownhills roundabout and Friendly Farmer roundabout.
- A new grade separated northbound off slip to a new roundabout providing local access, with a two-way link road on the southern arm to connect with the existing Brownhills roundabout.
- A two-way parallel link road from Friendly Farmer to Winthorpe roundabout to the southern side of the existing dual carriageway.
- A new bridge structure across the existing A1, located to the north of the existing bridge
- An upgraded roundabout with partial signal controls at Winthorpe roundabout.
- Improvements to Walking, Cycling and Horse Riding (WCHAR) facilities through safer, enhanced routes.

- Three areas have been identified for floodplain compensation which are being referred to as the Kelham and Averham Floodplain Compensation Area (FCA), Farndon West and Farndon East. In addition, the Farndon East FCA will also be used as a borrow pit to support the creation of embankments required for the scheme.
- Drainage features including attenuation ponds.
- Environmental mitigation including landscape planting.
- Associated accommodation works and maintenance access tracks.

2.5 Scope and objectives of the report

This report follows the CD 622 [2] process from the PCF Stage 2 reports by Atkins comprising Statement of Intent (SoI) ref 30221, May 2018 and Preliminary Sources Study Report (PSSR) ref 32224 [1], February 2021.

This Ground Investigation Report (GIR) has been prepared in accordance with Appendix F of CD622 “Managing Geotechnical Risk” [2] and BS EN 1997-2 [3].

The construction of this scheme will impact upon existing Network Rail (NR) infrastructure including two highway bridges over the Nottingham to Lincoln Line and one over the East Coast Main Line (ECML). Consequently, this report has been produced to comply with the approval processes set out in Network Rail document NR/L2/CIV/003 “Engineering Assurance of Building and Civil Engineering Works” [4] with reference to NR/L3/CIV/071 “Geotechnical Design” [5] and NR/L3/CIV/020 “Design of Bridges” [6].

The following elements have been undertaken to achieve the objectives of the report:

- Examination and evaluation of available desk study information and historic ground investigation data.
- Evaluation of scheme specific ground investigations.
- Production of a ground model based on the desk study and ground investigation information.
- Production of an Engineering Assessment of the various options for earthworks and foundations that address the required road alignment and structure loadings.
- Production of a geotechnical risk register highlighting the risks identified that need to be addressed during the design.

2.6 Geotechnical category

It is recommended that the scheme is classified as Geotechnical Category 2 i.e. a project with conventional types of geotechnical activities, with no unusual or difficult ground conditions and involving no abnormal risks. The outcome of this classification means that independent checking can be carried out within the same organisation unless the category of structure requires a CG 300 [7] Category 3 check which may include foundations and adjacent earthworks.

At this stage it is expected that there will be three Category 3 structures comprising the A1 bridge (B17N) and the combined Nether Lock and ECML Viaduct (B09N) where spans will exceed 50m and the eastern Nott-Linc Railway Bridge (B08N) which will contain ‘unconventional, novel or esoteric design aspects’, as detailed in section 7.15.

The assessed Geotechnical Category shall be reviewed throughout the development of the scheme.

2.7 Other relevant information

None

3. Existing information

3.1 GDMS Documents

Table *2* summaries the existing information which this report is based on. For detailed information, reference to the source document may be required.

Table 2: Summary of sources of Existing Information

Scheme Title	Report Type	Date	Author	GDMS Ref
A46 Newark Relief Road Report on Site Investigation [8]*	Factual GI Report	1978	Exploration Associates	10095
A46 Newark Relief Road Report on Supplementary Site Investigation [9]*	Factual GI Report	1985	Exploration Associates	10090
A46 Newark Relief Road [10]	Geotechnical Report	1985	Travers Morgan & Partners	10102
A46/A17 Newark Relief Road A17 Link Road [11]	Geotechnical Report	1987	Travers Morgan & Partners	10101
A46 Newark Relief Road [12]	Geotechnical Feedback Report	1991	Department of Transport	10107
A46 Western Junction Brownhills Roundabout [13]	Preliminary Sources Study & Ground Investigation Report	2018	Kier	30204
A46/A1 Eastern Friendly Farmer Roundabout Improvements [14]	Ground Investigation Report (Only AGS Data available)	2018	Kier	30265
A46 Cattle Market Roundabout Improvements [15]	PSSR, Ground Investigation Report & GDR	2018	Kier	30231
A46 Western Junction Brownhills Roundabout [16]	PSSR, GIR (Only AGS Data available)	2018	Kier	30204
A46 Western Junction Brownhills Roundabout [17]	Geotechnical Design Report	2018	Kier	30621
A46 Newark Northern Bypass [18]	Geotechnical Statement of Intent	2018	Atkins	30221
A46 Newark Northern Bypass [1]	PSSR	2021	Atkins	32224
A46 Newark Northern Bypass [19]	GISR	2021	Atkins	32225
A46 Newark Northern Bypass [20]	GISR & Specification for supplementary GI	2022	Mott MacDonald	35248
A46 North Newark Bypass [21]**	Factual GI Report (based on refs [1] and [18])	2022	Tetra Tech	45128
A46 Newark Bypass [22]**	Factual GI Report (based on ref [19]	2023	Strata Geotechnics	45129
A46 Western Junction Brownhills Roundabout [23]	Geotechnical Feedback Report	2022	Kier	37529

*** Sources of factual data for parameter plots in the Appendix to this report*
** Further sources of factual data used in the Appended geotechnical plans and sections*

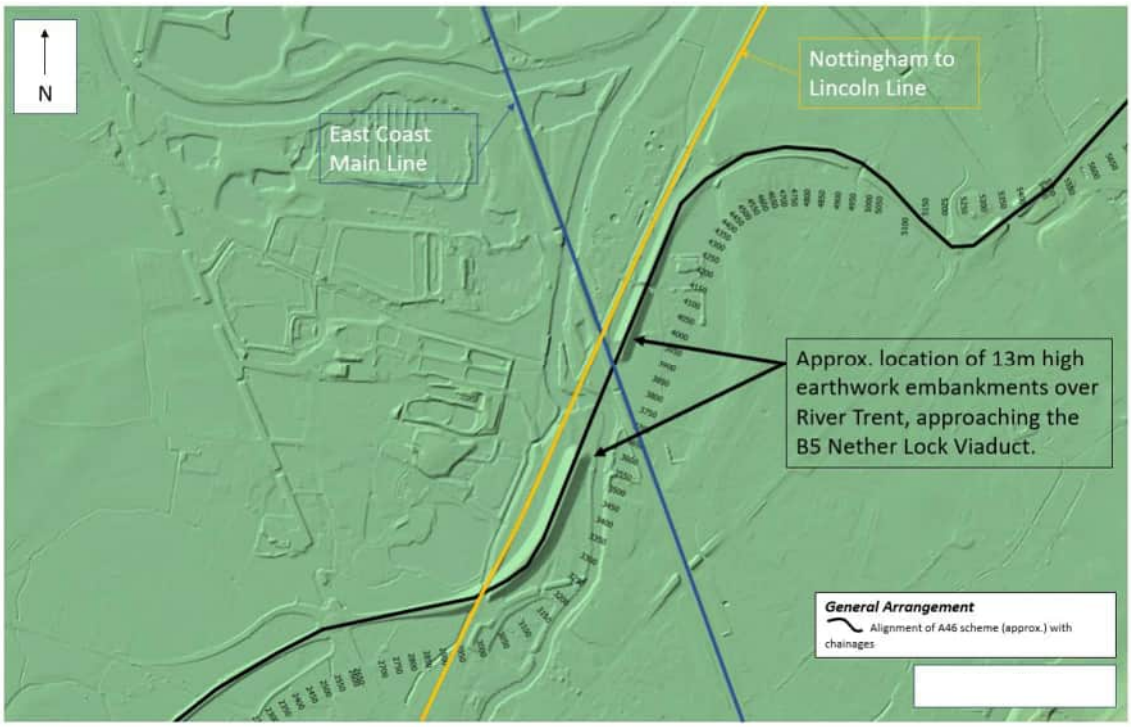
3.2 Topographical Maps

The current topography data is based on the Atkins Stage 2 survey which is largely LiDAR based. Additional topographic surveys will be carried out by Skanska as required as the design develops.

The scheme is largely located within the River Trent flood plain and is low lying and flat. The topography does not feature any steep gradients.

The southern part of the scheme runs through the River Trent alluvial flood plain where natural ground levels are typically 9 to 10mOD. The current earthworks predominantly consist of embankments (up to 13m high and with slopes 1V:2H to 1V:2.5H). To the east of the Brownhill's Junction the land rises out of the flood plain and reaches a maximum natural ground level of 18mOD near the eastern end of the scheme at Winthorpe Junction, as highlighted in the LiDAR map [24] in Figure *1*. The image below highlights the location of the 13m high earthwork embankments, approaching the B5 Nether Lock Viaduct.

Figure 1: LiDAR (Open Source)



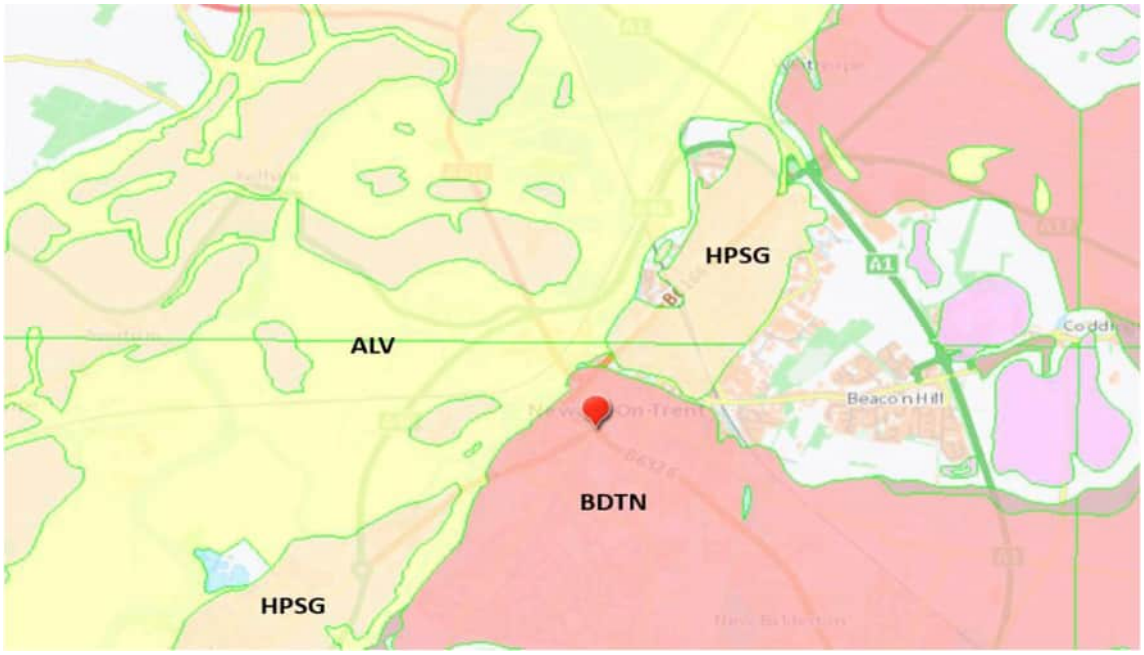
3.3 Geology

British Geological Survey (BGS) Sheet 113 Ollerton and 126 Nottingham, together with the associated memoirs (Edwards, W 1967 and Howard, A 2010) provide geological details of the project area.

3.3.1 Superficial Deposits

The superficial deposits include, Alluvium (ALV), the Holme Pierrepoint Sand and Gravel member (HPSG) and Balderton Sand and gravel member (BDTN) of the River Terrace Deposits distributed across the site as shown in Figure 2.

Figure 2: Plan of Superficial Deposits, after BGS GeoIndex [25]



3.3.1.1 Alluvium (ALV)

This is a general term for the unconsolidated detrital material deposited by a river or stream. Normally soft to firm consistency, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present. According to the 1985 Geotechnical Report [9], the Alluvium present on site is highly variable with the potential for deep alluvial channels running through the site.

3.3.1.2 Holme Pierrepoint Sand and Gravel Member (HPSG)

This often lies beneath the Alluvium where present. The HPSG predominantly comprises sands and gravels, detrital in nature, ranging from coarse to fine grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river or estuary. Generally pinkish, poorly sorted and compositionally rather immature matrix—supported, sandy, trough—cross bedded (braided river) gravels with syn-depositional ice-wedge casts.

3.3.1.3 Balderton Sand and Gravel Member (BDTN)

Like the HPSG, they are predominantly cold-phase sands and gravels. Orange-brown sandy gravel dominated by rounded pebbles of "Bunter" quartz/quartzite (0.75%) with subordinate subangular flint (c.15%), and rarer Triassic sandstone.

3.3.2 Solid Geology

3.3.2.1 Mercia Mudstone Group (MMG)

Described in the BGS Lexicon as “Dominantly red, less commonly green-grey, mudstones and subordinate siltstones with thick halite-bearing units in some basinal areas. Thin beds of gypsum/anhydrite widespread; sandstones are also present”.

3.3.2.2 Gunthorpe Member Mudstone (GUN)

Described in the BGS Lexicon as “Mudstone, red-brown, with subordinate dolomitic siltstone and fine-grained sandstone, greenish grey, common gypsum veins and nodule”

3.3.2.3 Edwalton Member Mudstone (EDW)

Described in the BGS Lexicon as “Mudstone and siltstone, red-brown and greenish grey, with beds of indurated, variably dolomitic siltstone and very fine-grained

sandstone common in the lower half; finely disseminated gypsum common in upper half".

3.4 BGS Archive borehole data

The BGS database of historical borehole scans shows the location of numerous exploratory holes for the Ground Investigation Reports which have been retrieved from GDMS. There are no additional BGS BH scans that provide information for the main line works, however there are 6 trial pits at Home Farm, Kelham near to the proposed flood compensation excavation, which indicate topsoil being underlain by Sand and Gravel. Two further historical boreholes indicate the depth of sand and gravel to vary between 6.8 and 7.8m, with Mercia Mudstone present beneath. The archives include details of a lagoon where a constant head pumping test was carried out revealing a drawdown of 0.62m for pumping rate of 792m^3/day over an 8-day period, with a reported transmissivity of 285 to 863 m^2/day, which indicates a mass permeability of approximately 1 x 10^{-3} m/s for an estimated 7m depth of granular soil above Mercia Mudstone.

3.5 Records of Mines and Mineral Deposits

The Coal Authority Interactive Map [26] indicates the site is not located within a Coal Mining Reporting Area. No coal mining features, or license areas are recorded in the vicinity of the site.

It must be noted, however, that non-coal mining activity was present between north of project chainage 3750-4450. The historic mining activities are located on the north-western side of the Nottingham-Lincoln railway line, and therefore not directly adjacent to the scheme.

The 1985 Geotechnical Report [9] states that the A46 route crosses borrow pits used for construction of the nearby Great North Road. Also, borrow pits associated with the construction of the existing A46 have potentially been backfilled with locally sourced alluvium, which may pose a risk to future works. Google Earth indicates the likely extent of an old borrow pit where surface settlement is noted to the north of the A46 between Ch.1100-1400, and agricultural crops have not been present in images from 1999 to 2020. The extents are presented on Figure A.2 in the appendix to this report.

3.6 Site history

Full details of the site history are contained in the PSSR [1] and Geotechnical Feedback Report [11]. Where relevant extracts of the site history are included in subsequent parts of this report and significant residual hazards included in the Section 7 Register and the Appendix A figures.

Key aspects of the site history include:

- Historical meanders of the River Trent and associated Trent Dike crossing the route.
- Existing Infrastructure crossing the route include railways, highways and buried services.
- Off-site sources of potential contamination including an old glue factory near Quibells Lane.

3.7 Archaeology and Ecology

The known geoarchaeology has been reported within section 4.5 of Appendix 6.1 (Cultural Heritage Desk Based Assessment) within the scheme Environmental Statement, TR010065/APP/6.3.

The known ecology has also been reported in section 8.8 Chapter 8 (Biodiversity) of the Environmental Statement, TR010065/APP/6.1.

Where effects on the proposed Works have been identified, for example new embankments causing loss of habitats, the impacts are compensated for e.g. new additional planting within the scheme.

An intrusive trenching archaeological investigation is planned for summer / autumn 2023, therefore some risk remains that archaeological features are identified which in turn may impact on the geotechnical works e.g. affect the choice of Special Geotechnical Measures.

3.8 Existing Ground Investigations

A large amount of geotechnical information is available from the original A46 Newark Bypass project (1978-1991) and the Stage 2 Ground Investigation (2021/2022).

- A46 Newark Relief Road Report on Site Investigation, Exploration Associates, 1978 [8]
- A46 Newark Relief Road. Supplementary Site Investigation Report. Exploration Associates S4604, 1985 [9]
- A46 Cattle Market Improvements. Factual Report on Ground Investigation F7027-17-1, ESG, November 2017 [27]
- A46 North Newark Bypass, Tetra Tech, 2022 [21]

A supplementary Ground Investigation has been specified by the current designer (Mott MacDonald) and carried out by Strata Surveys during 2022/2023.

The purpose of the supplementary GI included the following:

- Down hole seismic testing to establish small strain soil stiffness to inform the mechanical characterization of the soil and allow for the calibration of non-linear soil stiffness to be adopted for the design of large pile groups to major bridges.
- CPT investigation to improve coverage and precision of understanding the depth, strength and stiffness of shallow drift soils.
- Increased coverage of exploratory holes to address Stage 3; development of the highway alignment in the Brownhill's area and for the design of a temporary working platform for fabrication and installation by 'Self Propelled Modular Transport' of the new A46 over A1 bridge.
- Further investigation of the nature of a contamination hotspot near the east abutment of Nether Lock Viaduct identified in the 2021 GI at WS46.
- In-situ resistivity testing of Class 2E PFA fill for potential sheet pile design.
- Window Samples for the proposed Kelham Flood Compensation Excavation.
- Trial Pits for proposed Borrow Pits.
- Trial pits for soil infiltrating tests along the north-eastern part of the route.

3.9 Consultation with Statutory Bodies and Agencies

The PSSR Section 3.14 [1] included a review of the MAGIC online viewer revealed there are no statutory environmental designations on the site.

Statutory consultations are currently underway with County Archaeologist, Environment Agency, Historic England, Local Authorities, Natural England, Network Rail and Statutory Undertakers. The PSSR Section 3.14 lists 6 scheduled monuments located on or in close proximity to the study area. An archaeological investigation is currently being planned close to the Cattle Market Junction.

Two listed structures have been identified on the current scheme comprising The Causeway Culvert at Cattle Market (grade II) and Causeway Arches on the Great North Road 80m north of the existing Cattle Market roundabout.

At this stage there are currently no potential risks to the geotechnical design which have been identified so far in these consultations, although it is noted that the archaeological investigation is not yet complete.

3.10 Contaminated Land

Potential sites of contamination along, and within 250m of, the proposed route alignment have been discussed within section 3.22 and Table 7 of the PSSR.

The potential sources of contamination along the length of the route comprise historical sites such as railways, landfill sites, factories and sewage works. Current sources of potential contamination include industrial works and made ground associated with development in the area.

The 2022 GI further investigated the nature of a contamination hotspot near the east abutment of Nether Lock Viaduct identified in the 2021 GI at WS46 and the findings are discussed in the Contaminated Land Risk Assessment [27].

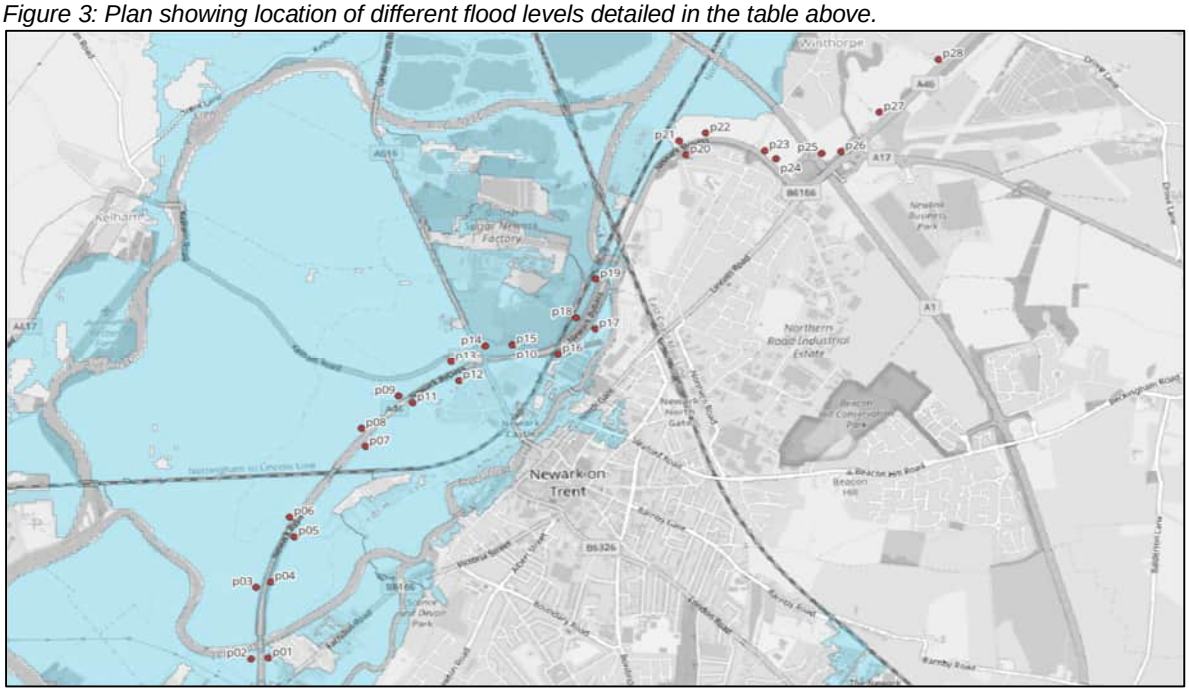
3.11 Flooding

The local hydrology is dominated by the River Trent, which the A46 crosses twice along the extent of the scheme. Modelling has established potential flooding up to a level of +13.16mOD in the southern part of scheme and reducing in level until Point 20 at Ch.4500 just to the west of Brownhills Underpass where no flood under the scheme design criteria will occur.

A Flood Risk Assessment will be included as part of the Environmental Statement to be submitted with the DCO Application. A copy of the plan of the modelled flood levels for a 1 in 100-year event + 39% for climate change (required by the EA for flood risk assessment) and a schedule of the 1 in 1000-year (proxy for the 200yr + CC required for scour assessment in accordance with CD356 [28]) is shown below. For the purpose of this report the 1:1000yr levels should be considered.

Point	Peak Water Level mAOD (1000yr)	Peak Water Level mAOD (100yr+CC39)
P01	12.96	12.73
P02	13.16	12.93
P03	13.12	12.91
P04	12.89	12.66
P05	12.88	12.66
P06	13.06	12.89
P07	12.52	12.32
P08	12.27	11.97
P09	12.24	11.94
P10	12.14	11.88
P11	12.52	12.32
P12	12.51	12.31
P13	12.21	11.93
P14	12.14	11.88
P15	12.14	11.88
P16	12.24	12.15
P17	12.07	11.74
P18	11.78	11.46
P19	11.78	11.46
P20-28	No flood	No flood

Figure 3: Plan showing location of different flood levels detailed in the table above.



Blue shading indicates plan extent of 1:100 flood event + 39% allowance for climate change

The proposed highway widening works encroach on a large part of the River Trent's fluvial floodplain. Floodplain compensation works are therefore required.

There are existing flood defences adjacent to and within the existing A46 Works with cohesive marl fill and a 1m deep shear key as detailed in the GFR [11] Figure 5. These are as follows:

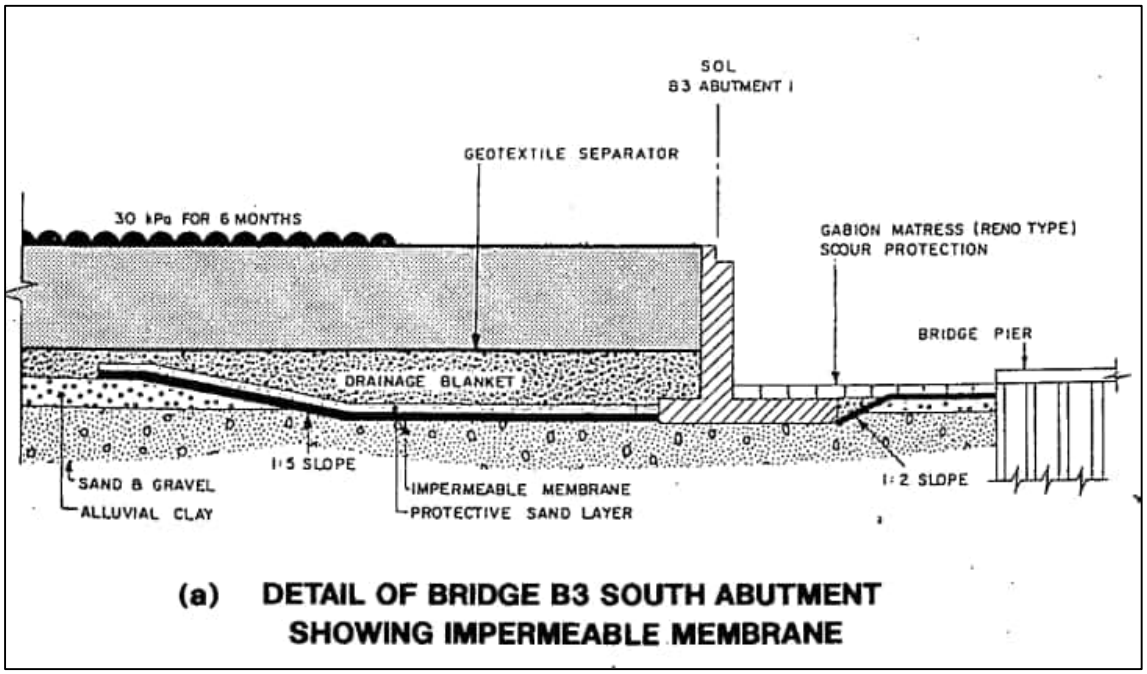
i) Farndon Flood Bank
ii) Weydale Flood Bank
iii) Kelham Road Flood Bank (including A46 Ch.2650-3050). 750m in length up to 3m in height

Also, a low permeability separator (Stabilenka 400) was laid beneath the starter layer to the western approach embankment to Bridge B1 (Windmill Viaduct) to reduce the likelihood of groundwater flow causing flooding during construction and to improve trafficability.

The 1985 Geotechnical Report identifies alluvial clays as providing a semi-permeable layer which reduces upward water flow from the gravels to the surface and that removal of these clays may exacerbate future groundwater flooding if not mitigated for example by incorporating impermeable membranes.

An impermeable membrane (Carbofol CHD 25 with PP5 fleece) is also shown in GFR [11] 4.06 and Figure 4(a) adjacent to the southern abutment of Bridge B3 (Ch.1450), but beyond the footprint of the bridge this was only required as a temporary precaution for groundwater flows and uplift until the overburden of the new embankment was complete. Details are shown in the figure below.

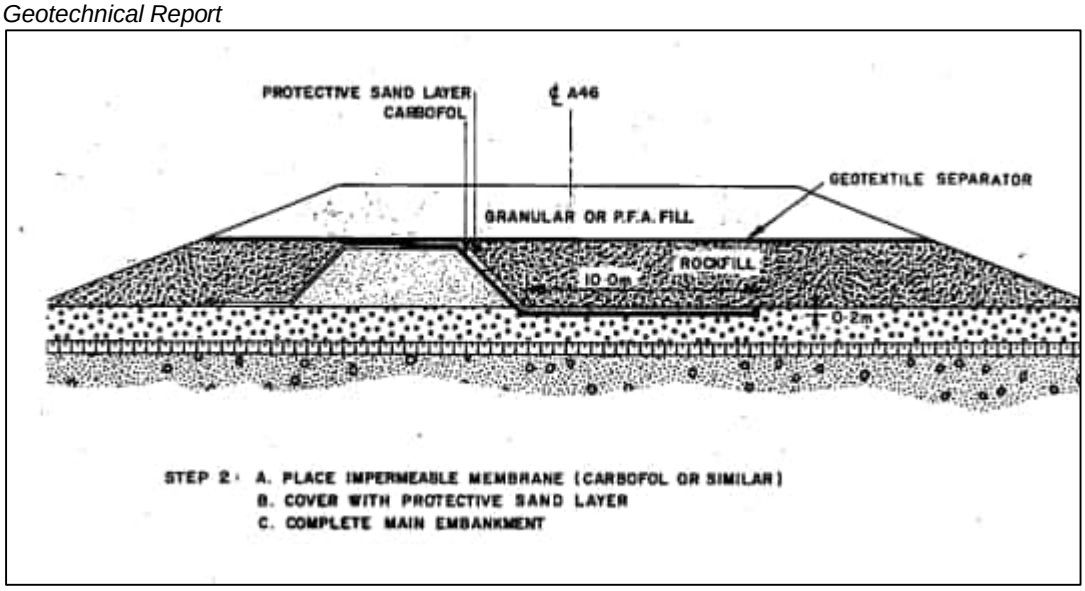
Figure 4: Extract from GFR [11] Figure 4(a) showing section of membrane at Bridge B3 South Abutment



In the Kelham Road defence, a grout curtain cut-off was included in some areas as a remedial measure where inadequate permeability test results were obtained. Between Cattle Market and the B4 Bridge a cut-off with impermeable membrane was provided within the existing A46 embankment as illustrated in Figure 5 below, to prevent overland flooding during construction and to encourage flood water to pass through the flood relief culvert beneath Cattle Market Roundabout. The GFR [11] Figure 3 shows that the impermeable barrier is only placed above shear keys when full removal of alluvial clay was not carried out, and Figure 4 shows the section close to the south abutment of Bridge B3 where ground improvement was carried out to the full width of the embankment.

The existing A46 embankment currently has a geomembrane between Ch.2650 and Ch.3050, which provides a flood defence. The proposed ground improvement in this area requires stone and concrete columns to puncture this membrane. The GDR will explain how the ground improvement and new embankments considers groundwater flows during flood events so that the flood risk to third party assets does not increase and that uplift pressure is balanced by sufficient overburden weight of fill.

Figure 5: Extract from as-built drawings showing the impermeable cut-off south of Bridge B4, from 1985 Geotechnical Report



3.12 Hydrology

Hydrological features along the proposed route are discussed and summarised in Section 3.7 of the PSSR.

3.13 Hydrogeology

Hydrogeological features along the proposed route are discussed and summarised in Section 3.6 of the PSSR. Key points are:

i) The Mercia Mudstone is a Secondary B Aquifer (low permeability layers with limited groundwater due to fissures, thin permeable horizons and weathering;
ii) There is one abstraction licence near Farndon used for farming and domestic purposes. There are 6 further similar abstraction locations within 250m of the site.

3.14 Groundwater

The results of the water strikes, along with the levels recorded at the beginning and end of the shift are recorded on the exploratory hole logs contained within the final Factual Report.

To enable the ongoing monitoring of the groundwater level along the length of the scheme, standpipe piezometers were installed including continuous data loggers to allow for automated daily readings. These were installed in 9. No existing locations from the Tetra Tech 2021/2022 GI and 12 No. locations in the 2022/2023 GI. At the time of writing, a third phase of GI has been instructed by the flood modelling team which will include an additional 3 No. groundwater monitoring locations. This monitoring will be continued into 2024.

At the time of writing, groundwater monitoring for January, February and April 2023 has been received. This is included in the final factual report in Appendix C.

Over certain areas the alluvial clay cover is very sparse. At the Newark cricket ground, for example, the alluvial clay is less than 1m thick. Anecdotal evidence is that this area often floods first, before the arrival or surface floodwaters i.e. water moves upwards from the sands and gravels.

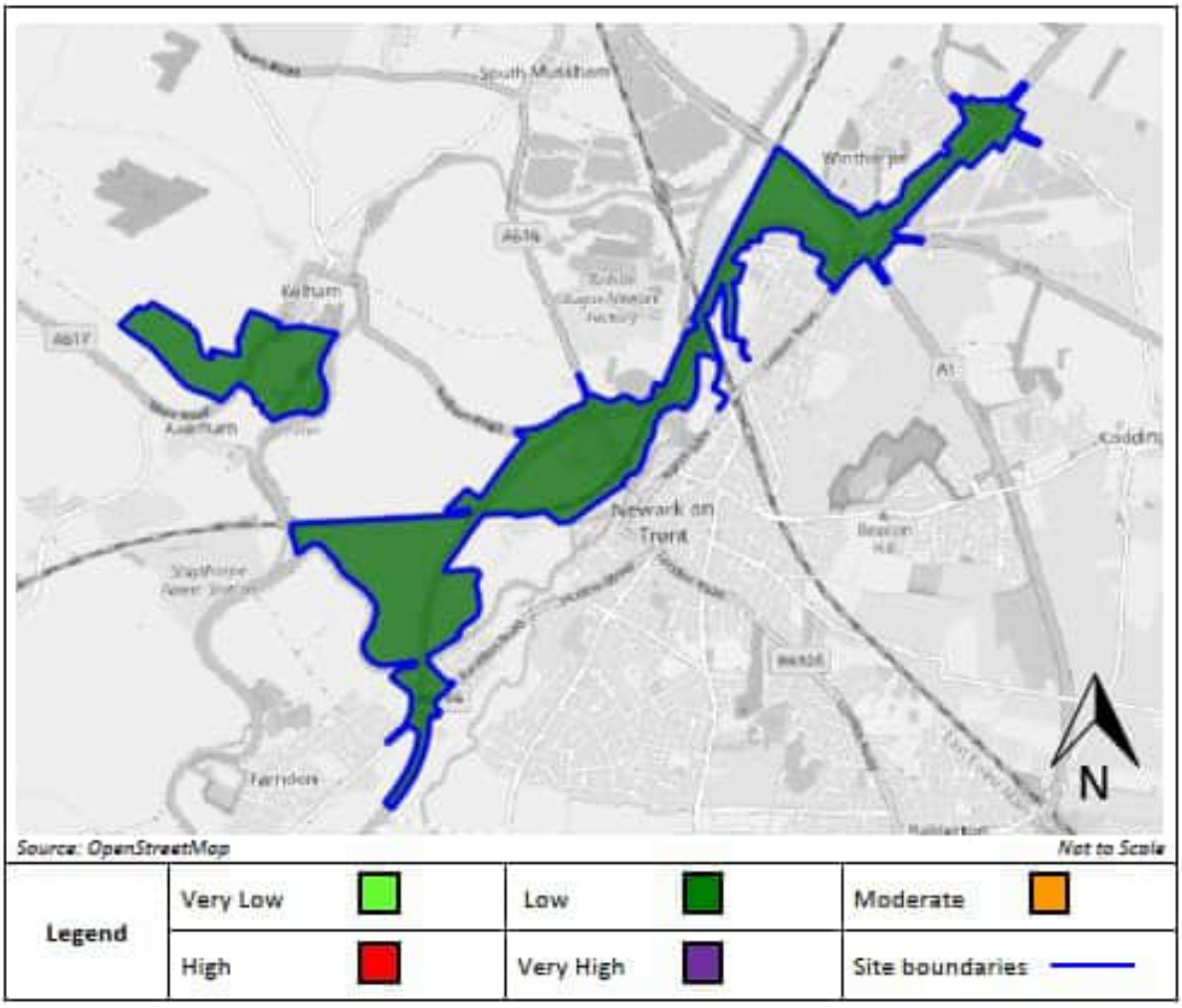
The level of the upper water table is directly related to the level of the water in the River Trent. When the level of water changes in the river, so does the groundwater table; this is because the river is hydraulically connected directly to the underlying sands and gravels.

For the purpose of design, the worst-case ground water level shall be the predicted flood level as shown in Section 3.11, or subsequent levels when the flood modelling is complete. No artesian, or other unusual groundwater conditions are anticipated.

3.15 Unexploded Ordnance (UXO)

Following the PSSR, Mott MacDonald commissioned Zetica to complete a UXO Desk Study & Risk Assessment [30]. The key findings of this report indicate that no significant sources of Unexploded Ordnance (UXO) hazard have been identified throughout the site. The risk map has been extracted from the report and included in Figure 6. Zetica classifies the site as 'Low' risk.

Figure 6: UXO Risk Map



Source: Zetica Newark-on-Trent UXO Desk Study [30]

4. Field and Laboratory Studies

4.1 Walkover Studies

A site walkover was carried out by Alan Willoner, Alex Wright and Daniel Benda (Mott MacDonald Geotechnics) on 16.03.2022. The purpose of the walkover was familiarisation with the site and to consider access constraints for supplementary Ground Investigation and Construction. An additional walkover was carried out on 02.05.2023 by Alan Willoner with geotechnical engineers from National Highways, Jacobs and Skanska.

4.2 Geological and Geomorphological Mapping

No geological or geomorphological mapping has been undertaken in the preparation of this report. Given the knowledge of the geological strata and structures along the route, further geological and geomorphological mapping is not required for this report.

4.3 Ground Investigations

The PSSR notes that GI information is available along the entire route alignment from Farndon Junction to A1/A46 Junction, whereas for the remaining part of the route from A1/A46 Junction to Winthorpe Roundabout the available GI information is limited. It is also important to note that the alignment in the Brownhills area has changed significantly since the PSSR and the 2022/2023 GI addresses this.

The quality and quantity of the information from the ground investigations up to 2023 can be considered wide enough to gain a sufficient understanding of the geology in the area to carry out the detailed design.

The Specification for the 2022-23 Supplementary Ground Investigation was prepared by Mott MacDonald [31]

Procurement of a ground investigation contractor was undertaken by Skanska as part of their early works contract. Strata Geotechnics Limited (SGL) were appointed by Skanska to carry out the ground investigation, with Mott MacDonald undertaking a technical supervisory role.

Fieldwork was undertaken in two phases due to land access constraints. SGL were on site for Phase 1 from October 2022 to November 2022 and Phase 2 from January to February 2023. This interpretive GIR is based on the findings of the factual report for this ground investigation and all other previous factual GI reports. Plans of the as-built exploratory hole locations are included in the geotechnical drawings in Appendix A. The final supplementary factual report is included in Appendix C.

Fieldworks comprised the following:

- 6 no. Cable Percussive (CP) boreholes with rotary follow on
- 9 no. Rotary Core Follow On boreholes including downhole geophysical logging
- 4 no. Sonic Rotary boreholes
- 9 no. Window Sample (WS) boreholes
- 47 no. Cone Penetration Tests (CPT's)
- 6 no. Seismic Cone Penetration Tests (SCPT's)
- 2 no. Resistivity Tests
- 22 no. Trial Pits
- 9 no. Infiltration tests
- Groundwater monitoring installations

- Sampling for geotechnical and geo-environmental purposes

Changes between the proposed ground investigation and the works undertaken are summarised below:

- S3BH12 descoped due to land access issues
- S3CPT16 unable to be completed due to access, replaced with sonic rotary borehole named S3BH15
- S3TP03-05, S3TP09, S3TP11, S3TP13-16 and S3WS02-03 descoped due to old borrow pit location being located and preliminary information on material characteristics reduced the prospect for winning suitable material at this location
- S3TP27-34 added as located within potential borrow pit locations

At the time of writing, a further phase of ground investigations has been requested by the flood modelling team to investigate potential additional flood compensation and borrow pit areas at Kelham, east of Farndon roundabout and north of Brownhills underpass. Information from this phase will not be included within this GIR as this is not required for the permanent geotechnical design, however any new factual data on ground or groundwater will be reviewed and referenced in future Geotechnical documents.

4.4 Results of In Situ Tests

The following in situ testing was undertaken in the exploratory holes.

- Standard Penetration Testing (SPTs)
- Cone Penetration Testing (CPTs)
- Downhole Geologging
- In-situ Hand Shear Vanes

The results of the in-situ testing can be found within the final Factual Report [32] and are discussed in Section 5.

4.5 Drainage Surveys

The southern part of the scheme runs through a flood plain and therefore carriageway drainage must feed into balancing ponds elevated above the flood plains. Preliminary locations of ponds are shown on the GA drawings.

Trial pit infiltration tests were carried out in the Brownhills Junction area and east of the A1 where the scheme is outside the flood plain, to assess the soil permeability for potential soakaway design, however the soil proved to be low permeability and unsuitable for permanent soakaways.

4.6 Geophysical Surveys

The following geophysical surveys and testing were undertaken during the ground investigation for the determination of geological or geotechnical parameters.

- Resistivity Testing
- Seismic Cone Penetration Testing
- Down Hole Seismic Testing

The results of the geophysical testing can be found within the final Factual Report [32] and are discussed in Section 5.

4.7 Test Pile Results

No test piles have been conducted relating to this phase of works but below is a summary of the test pile information from both historical sources and case studies within similar ground conditions.

The existing A46 Newark Bypass used driven H piles to support the bridges. Due to the proximity of new structures to existing and potential for damage from ground borne vibration, new structures will be generally supported by piles constructed with CFA or bored cast in-situ methods. Small section driven steel piles are proposed for the Farm Access Underpass extension (Ch.0990), subject to 'Temporary Works' assessment of potential damage from ground borne vibrations.

The 1991 GFR [11] shows that ultimate pile working loads of 1200 to 1600kN were achieved for 305x305 H piles driven to a tight set or refusal by a 5 tonne hammer and stroke of 475 to 675mm in the Mercia Mudstone. 12 out of 22 pile load test results are contained in the GFR [11] and are related to the Nether Lock Viaduct and the East Coast Main Line Bridge (ECML). The test pile results for Bridge B4 (Notts-Linc Railway East) have been requested to National Highways but these cannot be located.

All of the 12 pile load tests provided consistent and favourable results with findings as listed below:

- Working Loads for piles tested were 700 to 730kN whereas B4 piles subject to potential reuse under new loading were 650kN compression.
- Results for raking piles were very similar to vertical piles for compressive ground resistance.
- Q_{ult} was proven to be in the range 1200 to 1600kN i.e. FoS approximately 2.
- Settlement at working load was in the range 1.5 to 3mm.

These driven H pile test results are useful to assess the reuse of Bridge B4 east abutment foundations for increased load but are not suitable to inform the likely skin friction or end bearing characteristics of the proposed cast in-situ piles, due to the different type of piling method. For new CFA or bored (replacement piles) it will be necessary to calculate skin friction values, consider historical empirical data and verify these values by means of project specific pile load testing and back analysis during PCF Stage 6.

CIRIA Report 47 [33] provides case history data for several pile load tests in Mercia Mudstone in Teesside, Birmingham and Leicester and indicates shaft resistance of 150-180kPa for grade III and IV weathered rock and 250-280kPa for grade II fresh rock.

More recent HS2 data [34] for sites near Birmingham with piling into Mercia Mudstone indicate shaft resistance of 100-150kPa for grade III and IV weathered rock and 150-350kPa for grade II fresh rock.

Unpublished project experience of CFA test piles in Mercia Mudstone have revealed shaft resistance as low as 50kPa for grade III and IV weathered rock when excessive time for constructing the pile has resulted in excessive remoulding of the soil. The cause of such problems may be related to use of low powered rig, bending of the hollow auger stem, clogging of remoulded high plasticity clay impacting on flighting the soil up the auger or from bands of gypsum which are difficult to penetrate due to the lack of discontinuities or bands of competent siltstone or mudstone lithorelicts which can also be difficult to penetrate.

The A46 Newark to Widmerpool Improvement GFR, April 2013 contains some information about rotary bored piling in Mercia Mudstone. The Grantham Canal bridge had each abutment founded on 40Nr 900mm diameter piles with cut off level approximately 39mOD and toe level 21 to 25mOD. Pile logs and pile test results are given in Annex E of the GFR but this cannot be located on GDMS.

4.8 Additional Surveys

At the time of writing the latest design fix included an update to the red line boundary to include two additional areas for flood compensation and potential borrow pit use. Additional trial pits and groundwater monitoring boreholes have been specified and the ground works were completed in May 2023. The ongoing groundwater monitoring data will be provided during PCF Stage 5 and certified for upload to GDMS, but is not required for the geotechnical design of the new permanent works.

4.9 Laboratory Investigation

4.9.1 Geotechnical Laboratory Testing

Geotechnical laboratory testing was carried out by Professional Soils Laboratory on representative samples of the soils recovered.

Geotechnical laboratory testing comprised the following:

- Water Content tests (BS1377-2:2022, Cl 3) [35]
- Atterberg Limit Determinations (BS1377-2:2022, Cl 5) [35]
- Particle Size Distribution tests by wet sieving (BS1377-2:2022, Cl 9) [35]
- Particle Size Distribution tests by hydrometer/pipette (BS1377-2:2022, Cl 9) [35]
- Point Load Test determinations (ISRM 2007)
- Unconfirmed Compressive Strength (UCS) (IRSM 1981)

The results of the geotechnical laboratory testing can be found within the final Factual Report [32] and discussed in Section 5.

No significant changes or omissions were made to the laboratory testing originally proposed.

4.9.2 Chemical Laboratory Testing

Chemical laboratory testing was undertaken by Chemtech Environmental.

- pH determinations (BS1377-4:2022) [35]
- water-soluble sulphate determinations (BS1377-4:2022)
- acid extract sulphate determinations (BS1377-4:2022)
- total Sulphur determinations (BS1377-4:2022)

The results of the geotechnical laboratory testing can be found within the final Factual Report [32] and discussed Section 5.

4.9.3 Geo-Environmental Testing

Geoenvironmental testing was undertaken by Chemtest.

- Mott MacDonald Comprehensive Soil Suite
- Mott MacDonald Comprehensive Leachate Suite
- Mott MacDonald Comprehensive Water Suite

The testing suites are included within the appendix of the Ground Investigation Specification [31].

The results of the geotechnical laboratory testing can be found within the final Factual Report [32] and discussed Section 5.

5. Ground Summary

5.1 General

A series of geotechnical plans and long section drawings are included in Appendix A showing the ground conditions observed throughout the site. The long sections include inferred strata boundaries for the base of the drift soils (top of weathered grade IV mudstone) and for engineering rockhead (top of grade I/II mudstone). Strata boundaries are not provided between cohesive alluvium and granular River Terrace soil as there may be bands or pockets that cannot be identified; however, the yellow and brown shading indicates a general pattern of cohesive alluvium (which can be locally absent) above granular drift soils throughout the flood plain.

Details of groundwater are provided in Section 3.14. The groundwater on this project is always in continuity with the River Trent, therefore design groundwater level is generally equal to flood level, although consideration will also be given to onerous groundwater pressures during rapid draw down conditions.

An overview of the conditions observed throughout the site is detailed below;

Superficial Deposits

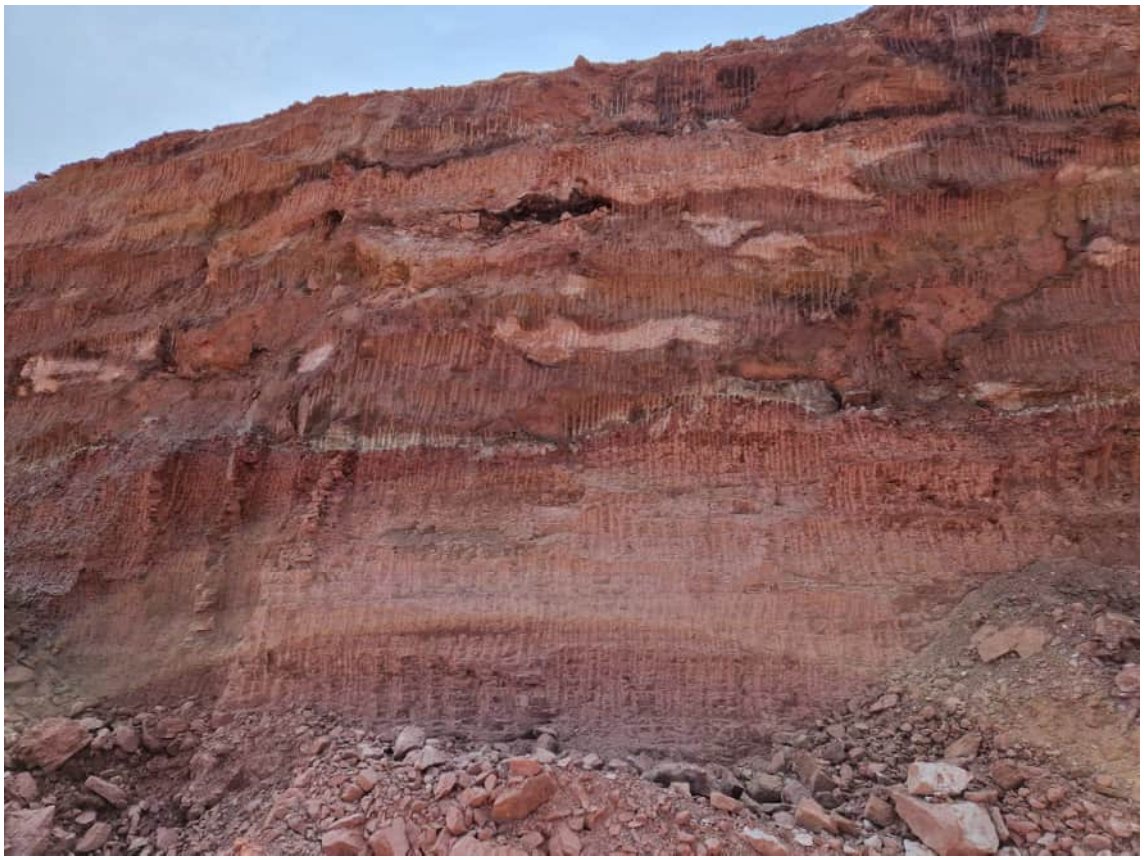
- **Topsoil;** present on the surface of the existing A46 embankment slopes and across the natural landscape at the toe of embankments consisting of brown to dark brown gravelly clayey sand.
- **Made Ground / Fill**; mostly consisting of existing A46 embankment make up including 6C granular starter layers with Class 6B fill at toe for scour resistance, Class 1A embankment fill, Class 2B seepage cut off and Class 2E PFA fill.
- **Cohesive Alluvium;** encountered throughout the site and generally has a firm crust where desiccation has caused consolidation for up to 1m depth with soft clay and silt below.
- **Granular Alluvium;** encountered throughout the site, consisting of sand and gravel with gravel being generally sub angular to sub rounded.

Solid Geology

- **Mercia Mudstone;** underlying the superficial deposits, recorded as stiff clay weathered mudstone overlying very weak to medium strong mudstone.

The thickness of weathered Mercia Mudstone varies considerably from being absent i.e. fresh rock immediately below drift soil, to being present as stiff clay at depths up to 20m. The spatial and vertical variability of grade of weathering is a characteristic typical of Mercia Mudstone, as shown in the following image from the recent HS2 Works at Kenilworth.

Figure 7: Exposure of mixed grade IV/III weathered and I/II fresh Mercia Mudstone at Kenilworth, 2023



The following sections will provide a review of the ground conditions at each structure.

5.2 Geological Sections

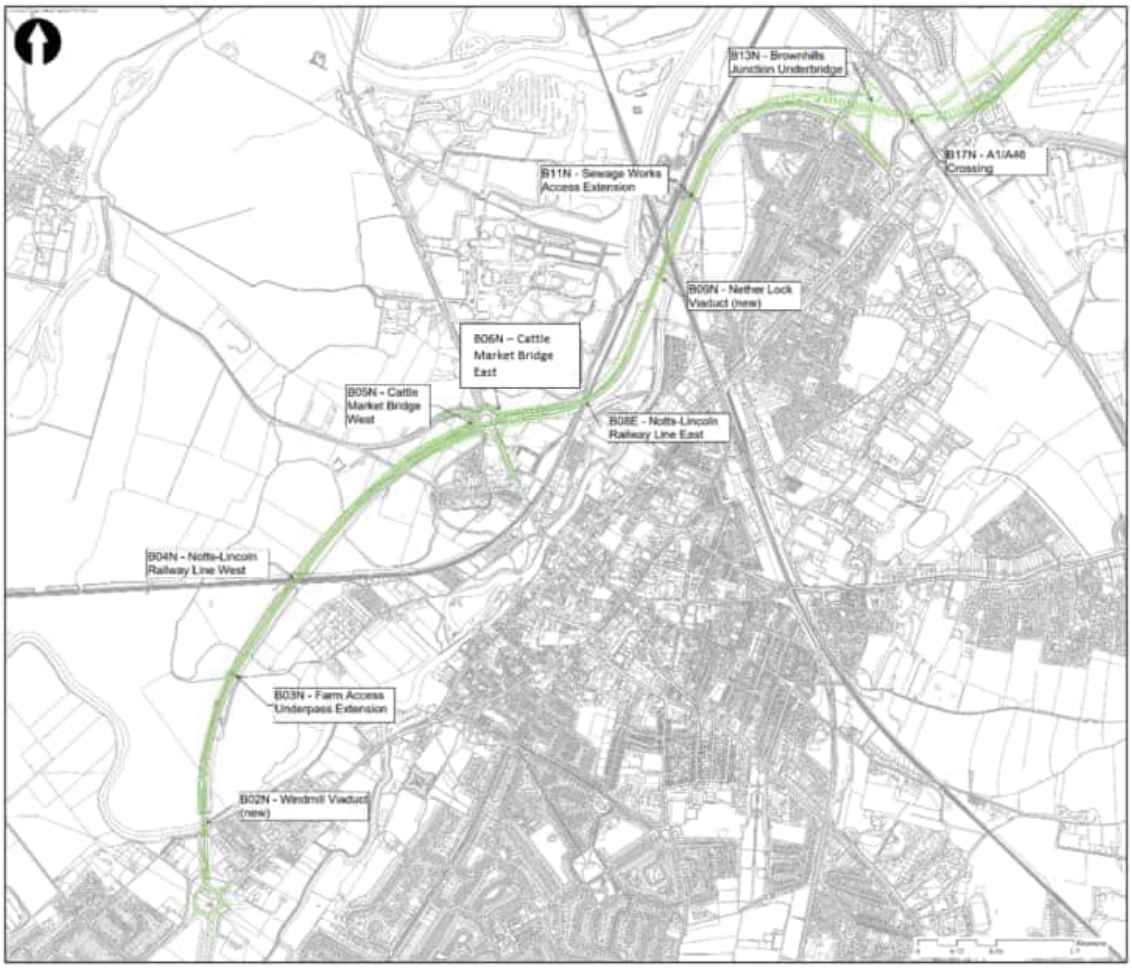
A graphical representation of the geology encountered along the route is included in Appendix A on Figures 1 – 12. These sections also include any engineered solutions along the route installed as part of the original carriageway construction, including starter layers and shear keys.

5.3 Structures

Throughout the site there are 10. no structures which will be constructed/upgraded as part of the scheme. The proposed structures are included in Figure 8 with the following sections indicating the ground models which have been used for input into the Structures Single Option Selection reports. The ground models have been derived based on both the historical and 2023 ground investigation showing conservative strata levels and anticipated thickness'. The exploratory holes used to derive the strata elevations are shown in the various plans. A detailed ground section plot for each structure will be provided in each AIP. Further explanation for the ground model selection for each structure will be provided in the AIP and GDR.

The proposed design considerations for these structures are included within Section 6.

Figure 8: Structures Location Plan



5.3.1 B02N – Windmill Viaduct (new)

Figure10 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 9: Windmill Viaduct Exploratory Hole Plan

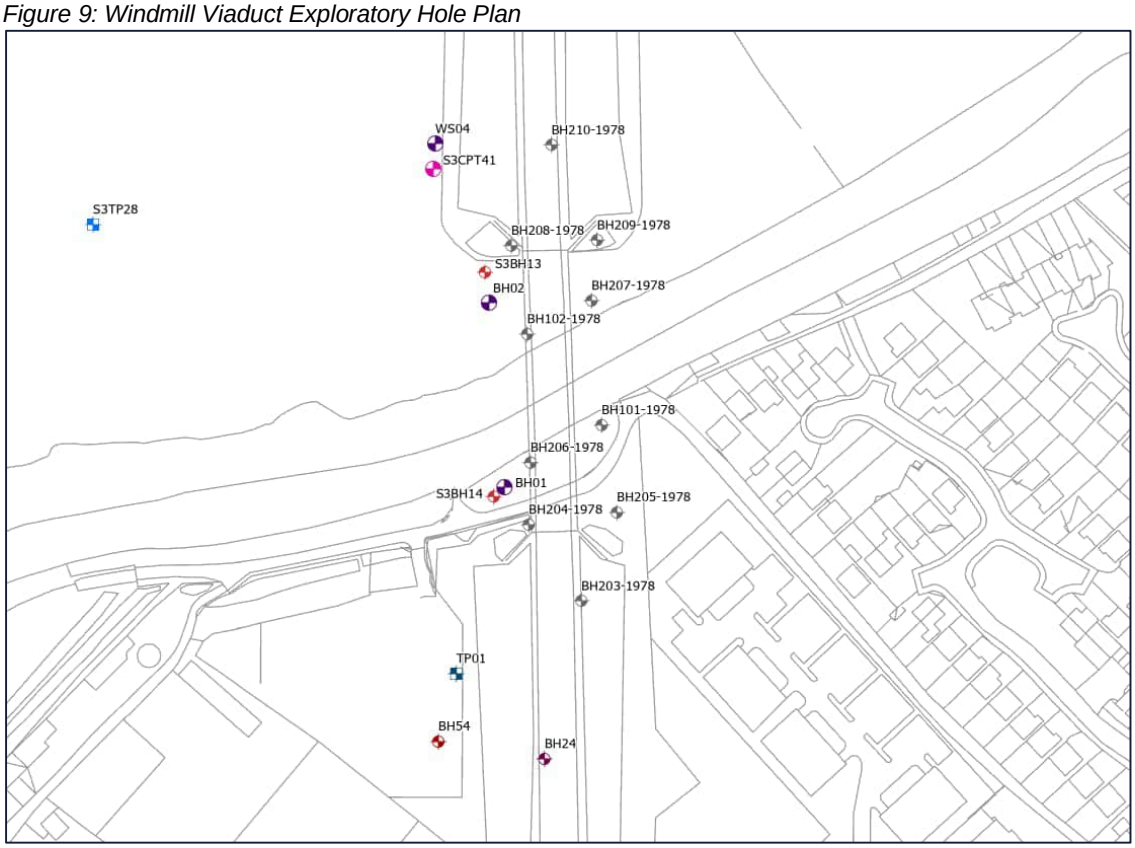


Table 3: Windmill Viaduct North Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Cohesive Alluvium	Soft to firm slightly sandy CLAY	10.00	2.00
Sand & Gravel	Medium dense to dense SAND and GRAVEL	8.00	3.50
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	4.50	18.50
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-14.00	Base not proven

Table 4: Windmill Viaduct South Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 1A Fill)	Slightly clayey, slightly silty, sandy GRAVEL	13.70	3.20
Sand & Gravel	Medium dense to dense SAND and GRAVEL	10.50	4.00
Cohesive Alluvium	Firm slightly sandy CLAY	6.50	14.00
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	-7.50	7.50
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-15.00	Base not proven

5.3.2 B03N – Farm Access Underpass Extension

Figure 10 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 10: Farm Access Underpass Extension Exploratory Hole Plan

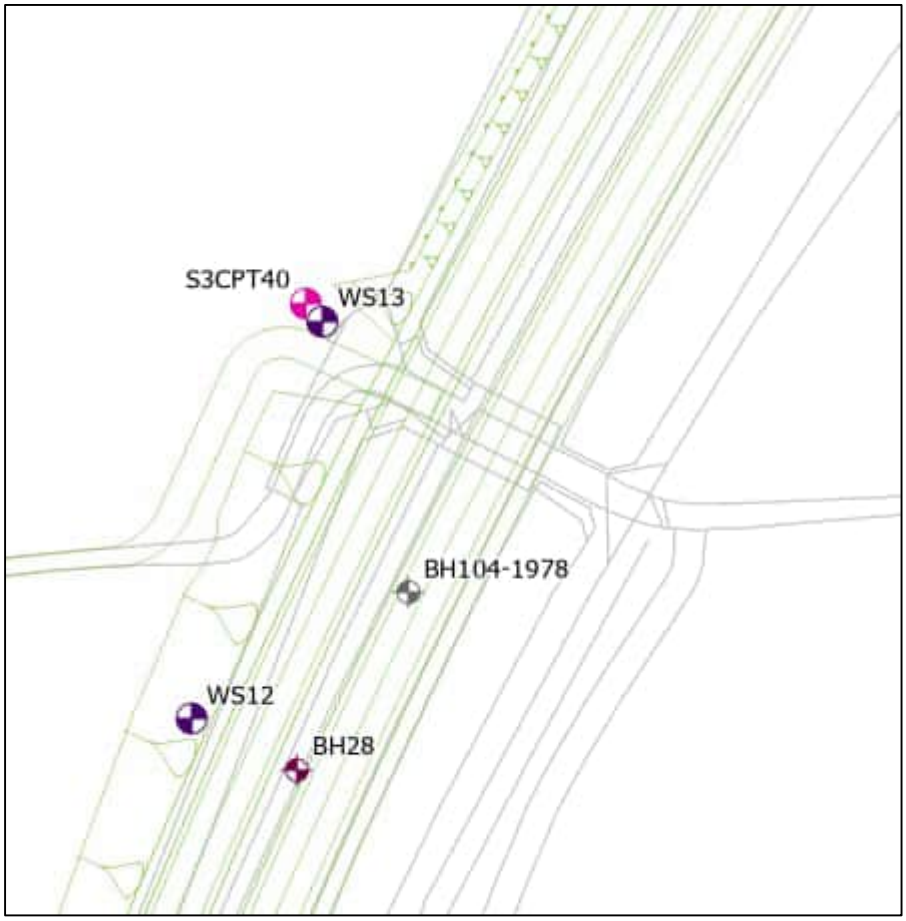


Table 5: Farm Access Underpass Extension

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 1A Fill)	Slightly clayey, slightly silty, sandy GRAVEL	14.80	5.00
Cohesive Alluvium	Soft and firm alluvial CLAY	9.80	2.60
Sand & Gravel	Medium dense to dense SAND and GRAVEL	7.20	1.20
III/IV Weathered Mudstone	Very stiff sandy silty CLAY	6.00	11.00
I/II Fresh Mudstone	Very weak to strong MUDSTONE	-5.00	Base not proven

5.3.3 B04N – Notts-Lincoln Railway Line West

Figure 11 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 11: Notts-Lincs West Railway Bridge Exploratory Hole Plan

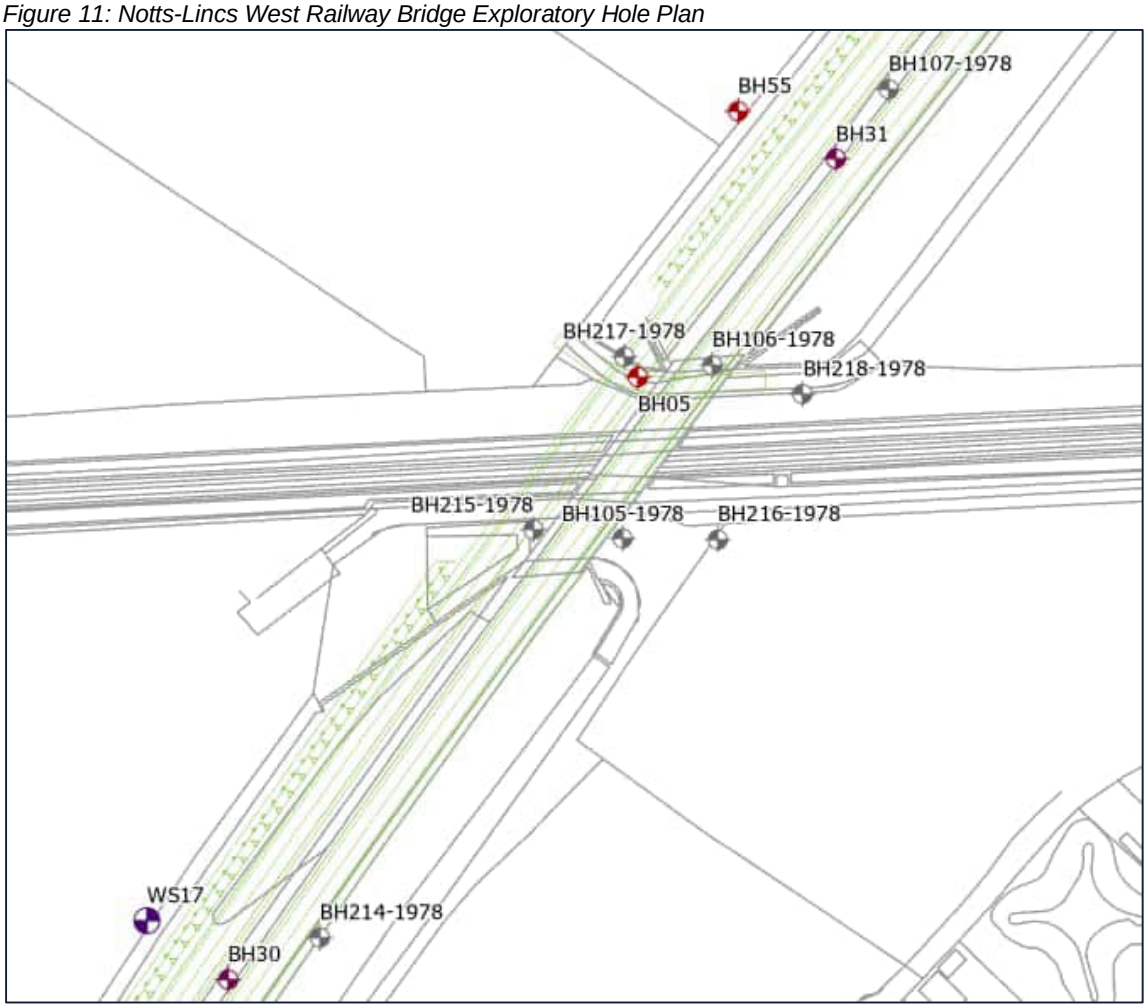


Table 6: Notts-Lincs West Railway Bridge South Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 1A Fill)	Slightly clayey, slightly silty, sandy GRAVEL	11.50	1.50
Cohesive Alluvium	Soft and firm alluvial CLAY	10.00	2.20
Sand & Gravel	Medium dense to dense SAND and GRAVEL	7.80	3.30
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	4.50	6.50
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-2.00	Base not proven

Table 7: Notts-Lincs West Railway Bridge North Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 1A/6C Fill)	Slightly clayey, slightly silty, sandy GRAVEL	11.50	3.50*
6C Fill	Gravel and 60-80mm cobbles of chert, slag and concrete	8.00	2.00*
Sand & Gravel	Medium dense to dense SAND and GRAVEL	6.00	4.00
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	2.00	8.60
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-4.60	Base not proven

*The GFR Fig 7 shows full replacement of soft alluvial clay under the footprint of the existing embankment for 58m beyond north abutment and Tetra Tech BH05. New embankment is built on the footprint of the existing

5.3.4 B05N Cattle Market Bridge West & B06N East

Figure 12 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 12: Cattle Market Exploratory Hole Plan

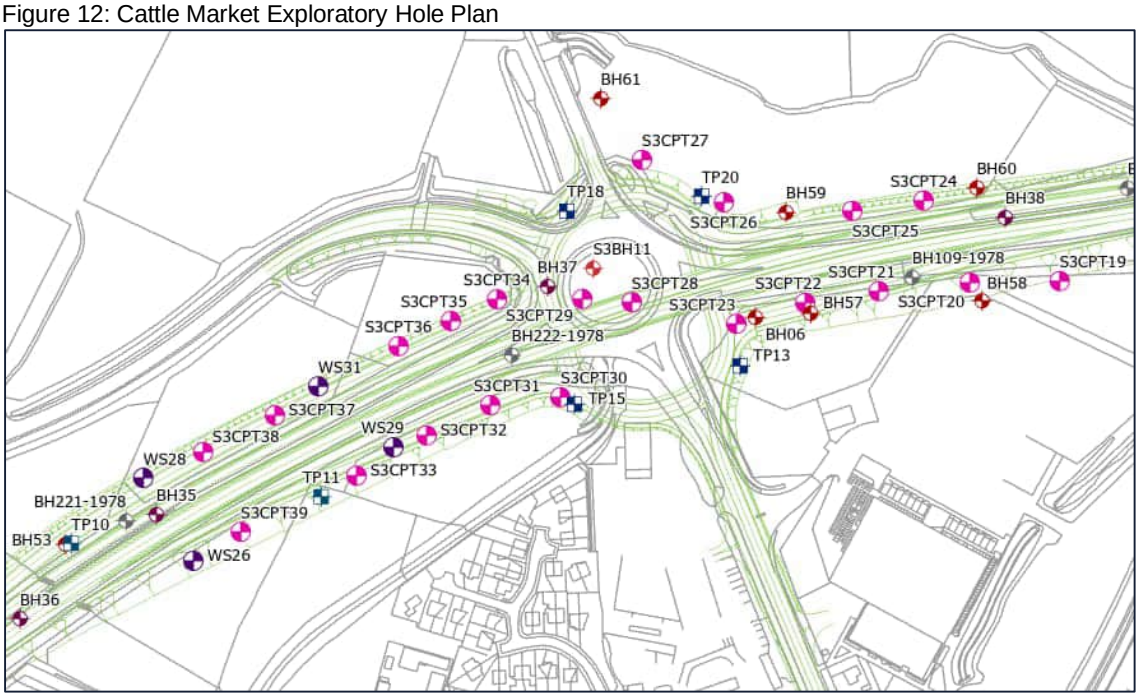


Table 8: Cattle Market Bridge Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 1A Fill)	Slightly clayey, slightly silty, sandy GRAVEL	13.00	3.00
Cohesive Alluvium	Soft to firm slightly sandy CLAY	10.00	2.00
Sand & Gravel	Medium dense to dense SAND and GRAVEL	8.00	7.00
III/IV Weathered Mudstone	Stiff sandy silty CLAY (fully weathered Mudstone)	1.00	1.00
I/II Fresh Mudstone	Very weak to medium strong MUDSTONE	0.00	Base not proven

5.3.5 B08E – Notts-Lincoln Railway Line East

Figure 13 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 13: Notts-Lincs East Railway Bridge Exploratory Hole Plan

It is noted that a significant quantity of soft ground was excavated and replaced by granular fill beneath the footprint of the existing embankment and anchor ties remain buried behind the east abutment and toe of northeast batter.

Figure 14: Extract from 2021 PSSR Appendix B showing the location of buried obstructions Ch.3100-3200

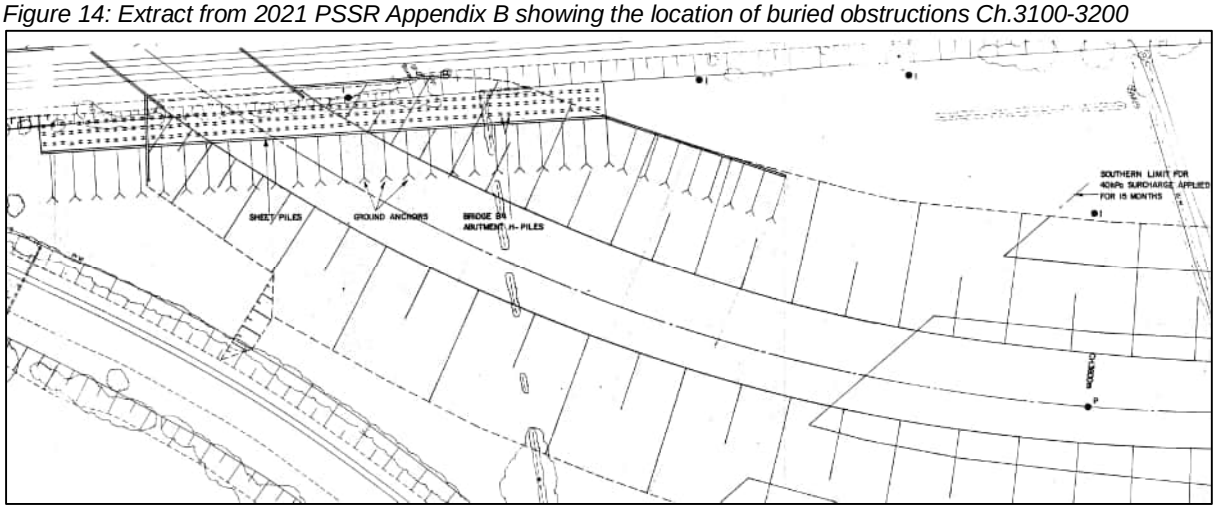


Table 9: Notts-Lincs East Railway Bridge West Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 6N Fill)	Slightly clayey, slightly silty, sandy GRAVEL	9.00	1.00
Sand & Gravel	Medium dense to dense SAND and GRAVEL	8.00	5.00
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	3.00	2.50
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	0.50	Base not proven

Table 10: Notts-Lincs East Railway Bridge East Abutment Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 6N Fill)	Slightly clayey, slightly silty, sandy GRAVEL	9.50	5.50
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	4.00	5.00
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-1.00	Base not proven

5.3.6 B09N – Nether Lock Viaduct (new)

Figure 15 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 15: Nether Lock Viaduct Exploratory Hole Plan

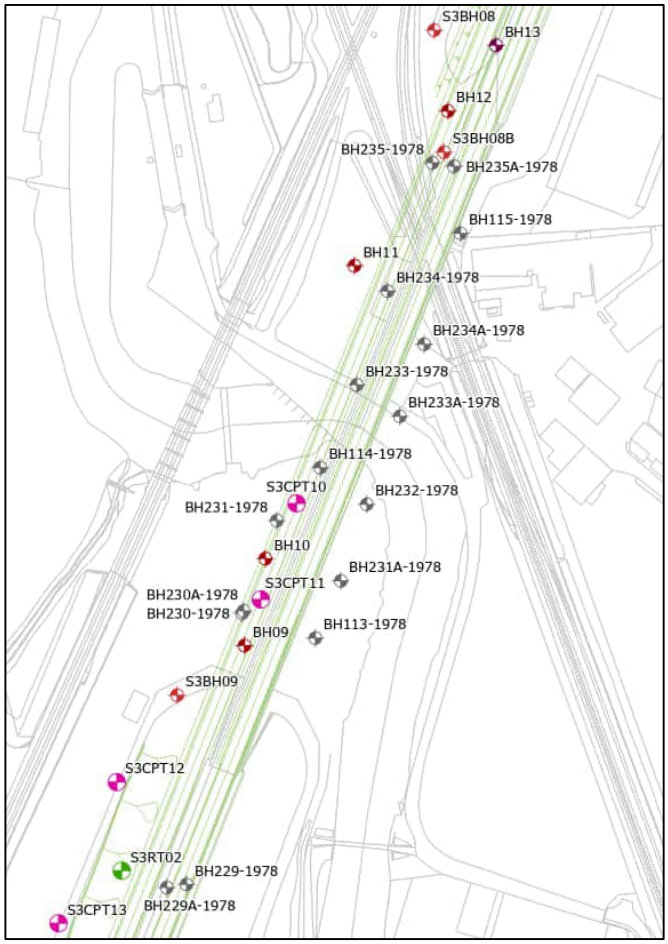


Table 11: Nether Lock Viaduct Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 2E Fill) [1]	Very dense grey SILT (PFA)	17.80	7.80
Alluvial Clay / Granular Shear Key (Class 1A Fill) [2]	Soft to firm slightly sandy CLAY / Slightly clayey, slightly silty, sandy GRAVEL	10.00	3.00
Sand & Gravel	Medium dense to dense SAND and GRAVEL	7.00	2.50
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	4.50	4.50
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	0.00	Base not proven

1. South Abutment only
2. 15m wide granular shear keys exist from 10m inside of toe to existing batter where alluvial clay has been replaced by granular fill

5.3.7 B11N – Sewage Works Access Extension

Figure 16 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 16: Sewage Works Access Extension Exploratory Hole Plan

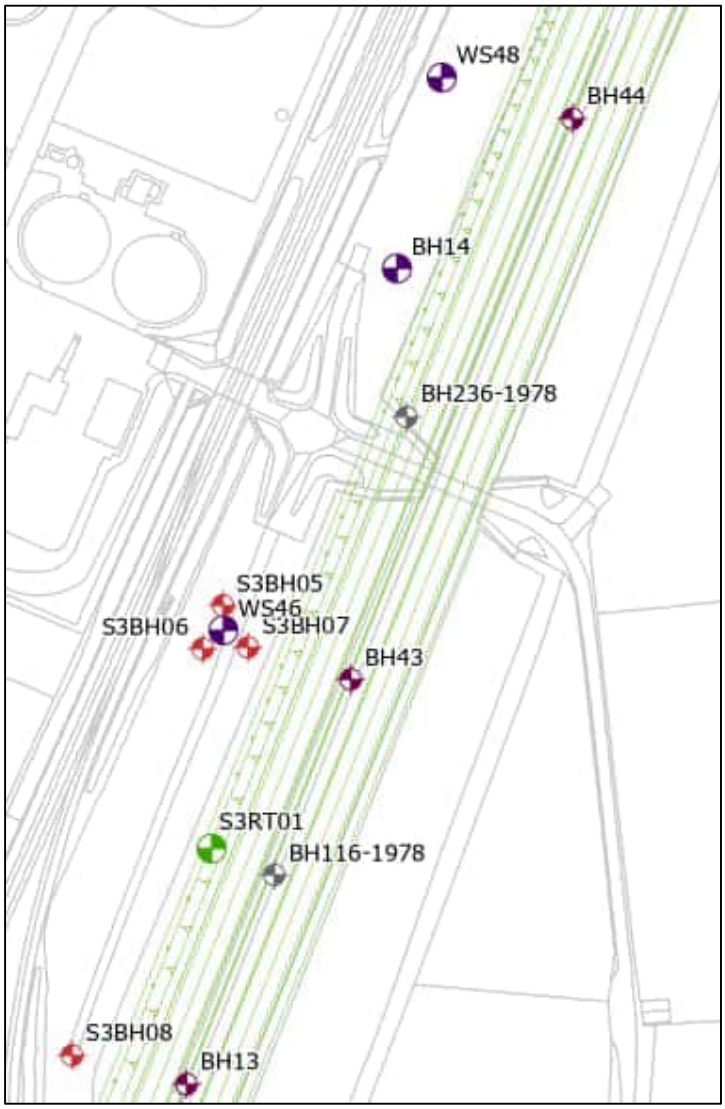


Table 12: Sewage Works Access Extension Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Embankment Fill (Class 2E Fill) [1]	Very dense grey SILT (PFA)	18.00	8.50
Alluvial Clay / Granular Shear Key (Class 1A Fill) [2]	Soft to firm slightly sandy CLAY / Slightly clayey, slightly silty, sandy GRAVEL	9.50	2.00
Sand & Gravel	Medium dense to dense SAND and GRAVEL	7.50	3.00
III/IV Weathered Mudstone	Firm to stiff sandy silty CLAY	4.50	5.00
I/II Fresh Mudstone	Very weak to medium strong MUDSTONE	-0.50	Base not proven

5.3.8 B13N – Brownhill's Junction Underbridge

Figure 17 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 17: Brownhill's Junction Underbridge Exploratory Hole Plan

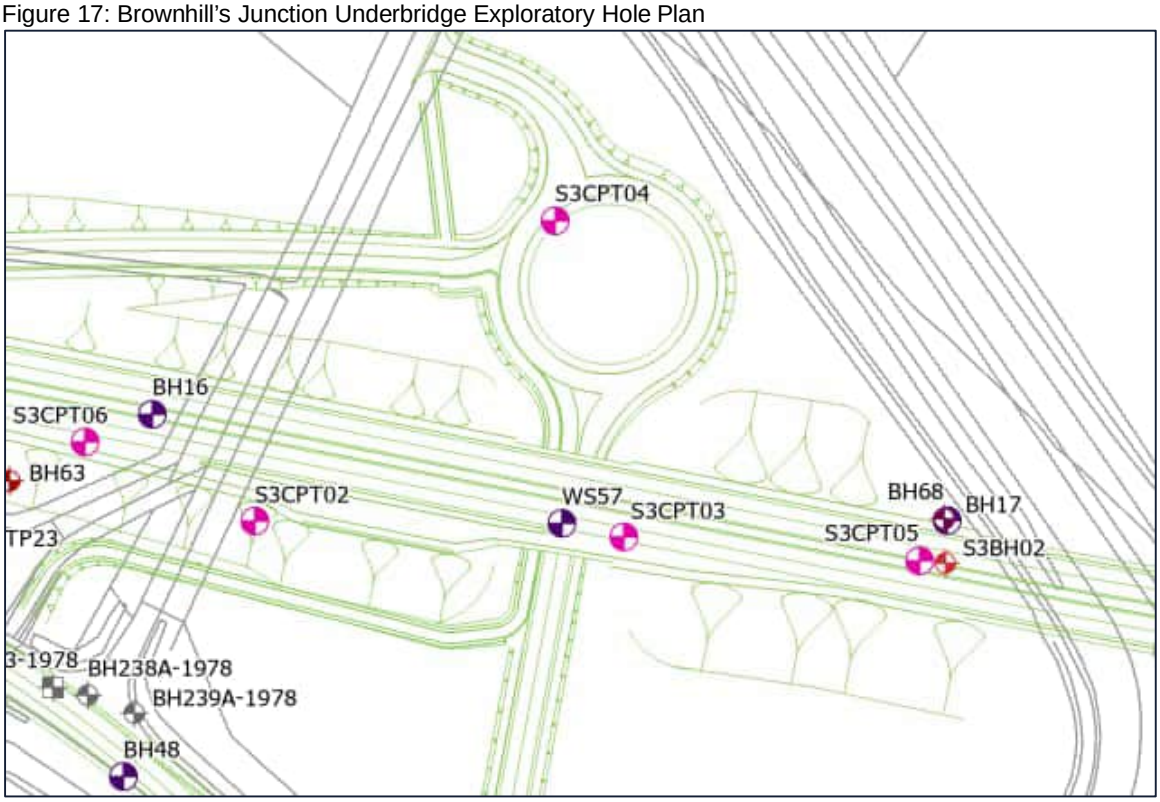


Table 13: Brownhill's Junction Under Bridge Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Sand & Gravel	Medium dense to dense SAND and GRAVEL	10.00	6.00
III/IV Weathered Mudstone	Firm to v stiff sandy silty CLAY	4.00	8.00
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-4.00	Base not proven

5.3.9 B17N – A1/A46 Crossing

Figure 18 shows the exploratory holes located adjacent to the structure which will be used to inform the ground model and geotechnical design.

Figure 18: A1/A46 Crossing Exploratory Hole Plan

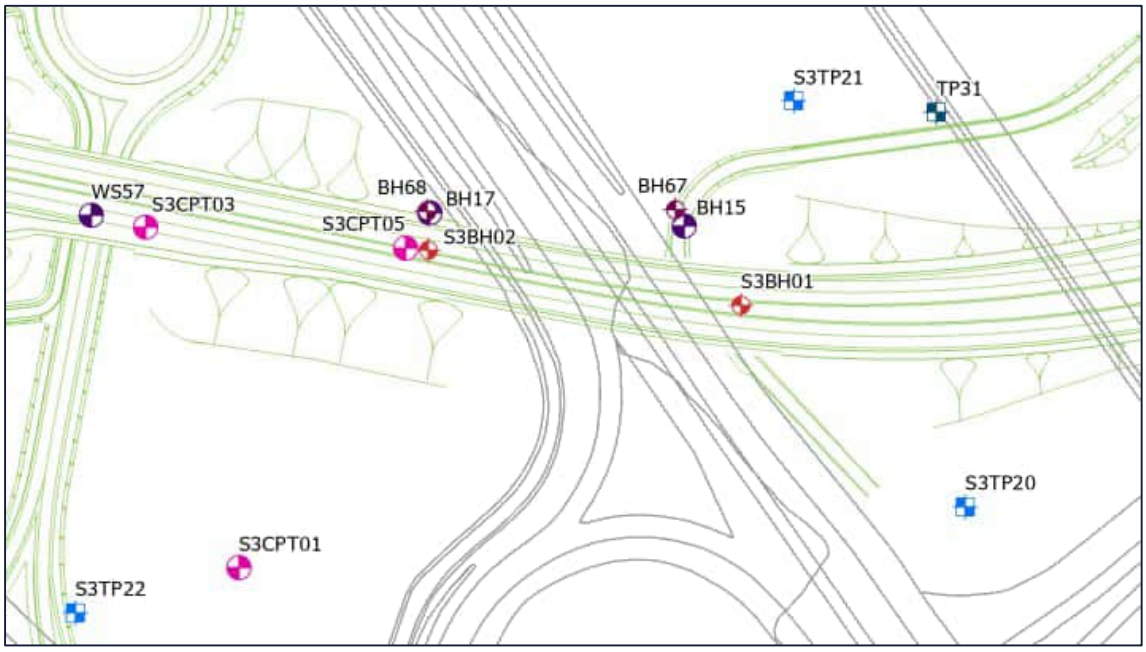


Table 14: A1/A46 Crossing Ground Model

Stratum	Typical Material Description	Level of top of stratum (mAOD)	Typical thickness (m)
Sand & Gravel	Medium dense to dense SAND and GRAVEL	10.00	3.00
III/IV Weathered Mudstone	Firm to stiff sandy silty CLAY	7.00	14.00
I/II Fresh Mudstone	Extremely weak to medium strong MUDSTONE	-7.00	Base not proven

5.4 Earthworks

Full details of parameter plots for each geological unit are shown in Appendix D.

5.4.1 Existing Earthworks

5.4.1.1 Class 1A Fill (D8 Fill in 1991 GFR)

Class 1A fill has been used for shear keys of 5m width to the full depth of alluvial clay (up to 3m) at various locations between Windmill Viaduct and the central Railway Bridge and for shear keys of 15m width along the Nether Lock embankments. The GFR [11] indicates shear keys are present below the toe of batter, or 10m from the toe of batter at the locations shown in Table 15.

D8 Fill is a term used for Class 1A sand and gravel Fill in the existing A46 Newark Bypass, won from the British Sugar and Trent Dyke borrow pits.

5.4.1.2 Class 2E PFA Fill

Embankments between Ch 2956 – 4381 consisted of Class 2E PFA fill.

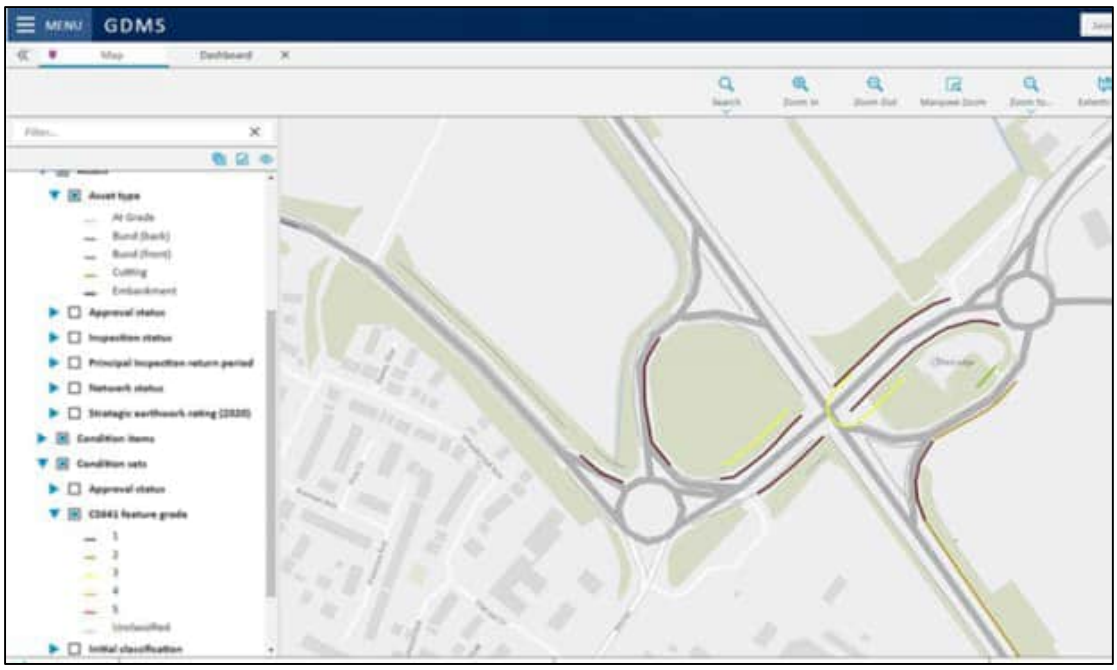
5.4.1.3 Condition of Existing Earthworks

The condition of the existing earthworks is considered to be good following review of documents listed Table 2, visual inspections as detailed in Section 4.1, and consultation with Area 7.

A review of the existing principal earthwork inspections in HAGDMS has shown that no defect observations are recorded on the site. The site walkover undertaken by Atkins in January 2021 confirmed that earthworks are in “good condition with the exception of occasional burrowing.”

The minor defects on the existing earth structures identified by Area 7 comprise a toe scar, bulging and rabbit burrows (Class 1D Features in Grade 3 defect condition) within the existing Brownhills / A1 Junction Area as illustrated in below.

Figure 19: Extract from GDMS showing location of Grade 3 earthwork defects within the scheme extents



The proposed A46 improvements do not require earthworks at these locations and therefore no consideration of remediating these defects is provided in this report.

Table 15: Key Features of existing earthworks

Old Chainage	Project Chainage	Approximate Fill Height (m)	Side Slope	Embankment Fill & Cross Section from GFR [11]	Geotechnical Measures	Existing Structures	Ref source
319 – 360	0 – 41	3.0 - 7.5	1V:2H	Suitable Fill Section A-A	Low permeability separator fabric (Stabilenka 400) used at embankment base.		GFR Fig 6
360 – 375	41 – 56		Varies	Granular Fill D8 Section B-B			GFR Fig 6
375 – 400	56 – 81						GFR Fig 6
400 – 560	81 – 241		1V:2.5H				GFR Fig 6
560 - 656	241 – 337					Bridge B1 - Windmill Viaduct	GFR Fig 6
656 – 820	337 – 501	5.4 – 7.0	1V:2.5H	Granular Fill D8 Section C-C	Alluvial clay removed and replaced by granular fill D1 and impermeable membrane.		GFR Fig 6
820 – 920	501 – 601	5.4 - 3.5	Varies				GFR Fig 6
920 - 1200	601 – 881	3.5 - 3.6	1V:2H				GFR Fig 6
1200 – 1250	881 – 931	3.6 – 4.4			Shear Key (5m wide)		GFR App E & Fig 7
1250 – 1297	931 – 978	4.4 – 5.5	Varies				GFR App E & Fig 7
1297 – 1305	978 – 986					Bridge B2 – Farm Access Underbridge	GFR App E & Fig 7
1305 – 1400	986 – 1081	5.5 – 7.2	1V:2.5H	Granular Fill D8 Section C-C		Old Trent Dyke	GFR App E & Fig 7
1400 - 1685	1081 – 1366	7.2 – 8.3					GFR Fig 7
1685 - 1773	1366 – 1454	8.3 – 8.5			Alluvial clay removed and replaced by granular fill D1 and impermeable membrane		GFR Fig 7
1773 – 1842	1454 – 1523					Bridge B3 – Notts – Lincs West	GFR Fig 7
1842 - 1915	1523 – 1596	8.5 – 8.5	1V:2.5H				GFR Fig 7

1915 – 2180	1596 – 1861	8.5 – 7.4		5m wide shear key			GFR App E & Fig 7
2180 -2250	1861 – 1931	7.4 – 5.14		Granular Fill D8 Section C-C			GFR App E & Fig 7
2250 – 2300	1931 – 1981	5.14 – 4.4	Varies				GFR App E & Fig 7
2300 - 2400	1981 – 2081	4.4 – 4.1					GFR App E & Fig 7
2400 – 2950	2081 – 2631	4.1 – 1.8	1V:2H		Embankment suffered 25mm lateral movement and 40mm related settlement at Ch.2260 due to absence of shear key.		GFR App E & Fig 8
2950 - 3130	2631 – 2811	1.8 – 3.3					GFR Fig 8
3130 – 3175	2811 – 2856	3.3 – 5.0		Granular Fill D8 Flood bank Section D-D			GFR Fig 8
3175 - 3200	2856 – 2881	5.0 – 5.0	Varies		Alluvial clay removed and replaced by granular fill D1 and impermeable membrane.		GFR Fig 8
3200 – 3275	2881 – 2956	5.0 – 7.7	1V:2.5H				GFR Fig 8
3275 – 3370	2956 – 3051	7.7 – 6.9		PFA Fill Section D-D			GFR Fig 8
3370 – 3400	3051 – 3081	6.9 – 7.9		PFA Fill Section E-E		Bridge B4 – Notts – Lincs West	GFR Fig 8
3400 – 3550	3081 – 3231	7.9 – 12.4	1V:2.5H		Alluvial clay removed and replaced by granular fill D1 and impermeable membrane.		GFR Fig 8
3550 – 3850	3231 – 3531	12.4 – 13.3			15m shear keys		GFR Fig 9
3850 – 3925	3531 – 3606	13.3 – 13.8			Alluvial clay removed and replaced by granular fill D1 and impermeable membrane.		GFR Fig 9
3925 – 4175	3606 – 3856					Bridge B5 – Netherlock Viaduct	GFR Fig 9

4175 – 4235	3856 - 3916	11.0 – 11.0				Piled Structure (wall)	GFR Fig 9
4235 – 4300	3916 - 3981	11.0 – 8.6	1V:2.5H	PFA Fill Section E-E	Alluvial clay removed and replaced by granular fill D1 and impermeable membrane.		GFR Fig 9
4300 – 4425	3981 - 4106	8.6 – 7.3					GFR Fig 9
4425 – 4436	4106 – 4117					Bridge B6 – Sewage Works	GFR Fig 9
4436 - 4600	4117 – 4281	7.2 – 6.0	1V:2.5H				GFR Fig 9
4600 – 4700	4281 - 4381	6.0 – 4.6	Varies	PFA Fill Section F-F	Geogrid on existing ground (Paragrid 1005/225)		GFR Fig 10
4700 – 4750	4381 – 4431	4.6 – 3.2	1V:6H				GFR Fig 10
4750 - 4850	4431 – 4531	3.2 – Cut (1m)		Granular Fill D8 Section F-F			GFR Fig 10
4850 – 5120	4531 – 4801	Cut	1V:2H	Cutting Section G-G	Earth Noise Bund		GFR Fig 10
5120 - 5300	4801 – 4981	0 – 0.5		Suitable Fill Section H-H			GFR Fig 10
5300 – 5310	4981 – 4991	0 – 2.0				B16 – Subway	GFR Fig 10
5310 - 5580	4991 – 5261			Suitable Fill Section H-H	Earth Noise Bund		GFR Fig 10
5580 - 5700	5261 – 5731	2.0 – 3.0	1V:2H				GFR Fig 10
6050 – 6319	5731 – 6000	2.0 - 0		Suitable Fill Section J-J			GFR Fig 11

5.4.2 Borrow Pit

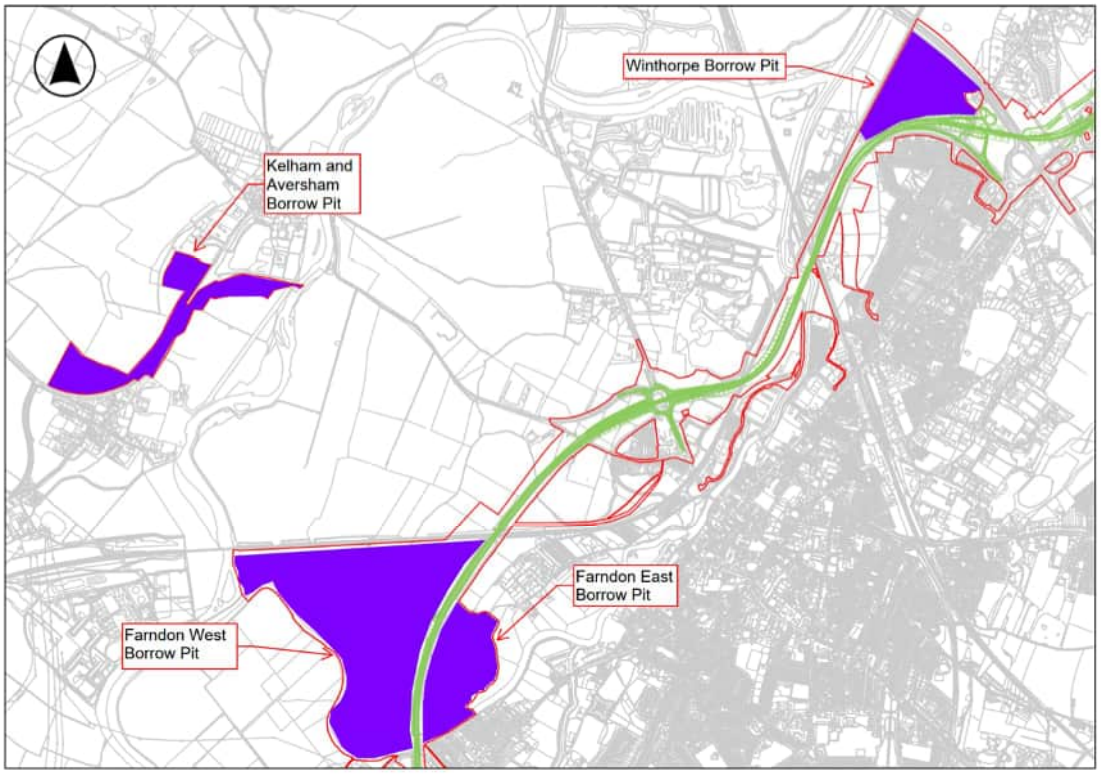
Four locations are proposed to be used as borrow pits to provide site-won material for construction of the proposed scheme. These are shown on Figure 20.

The acceptability of the material will be a function of the moisture content at the time of compaction relative to the optimum moisture content derived from laboratory compaction testing.

It is likely that granular soils (1A and 1B gradings) will be suitable for reuse with minimal processing costs, whereas soils with more than 14% fines within the flood plain will not be.

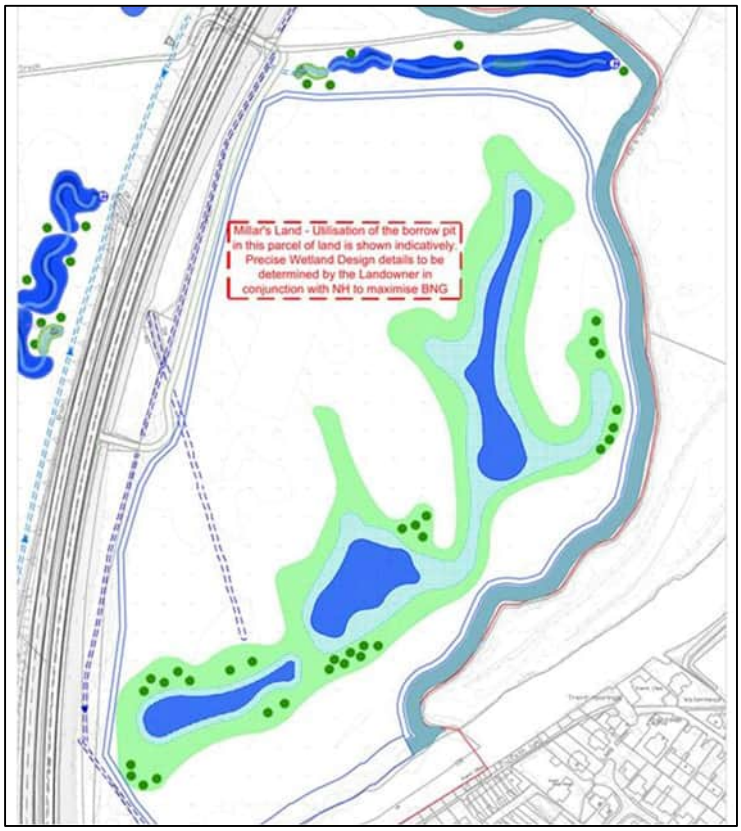
The exploratory holes in the Kelham area S3WS04-06 describe the presence of sand and gravel from existing ground level to 5m depth. Locally there is a cohesive cover up to 0.2m depth. No grading tests have been carried out for material in the Kelham and Amersham Borrow Pit area.

Figure 20: Proposed Borrow Pit Locations



Further development of the flood modelling and drainage design has resulted in a proposal to carry out shallow excavations in the Farndon West area to provide a 1:1000 fall from north to south. More significant excavations are proposed in Farndon East as illustrated below in Figure 21.

Figure 21: Proposed ponds after excavation and reprofiling of Farndon East Borrow Pit



A summary of the classification results conducted in the borrow pit locations is provided below. The exploratory hole locations can be found in Appendix A.

Table 16: PSD Testing

Location	Depth (mbgl)	Percentage Fines (%)	Percentage >125mm (%)	SHW Class
Winthorpe Borrow Pit				
S3TP24 (Brownhill)	1.0	11	0	1B
S3TP24 (Brownhill)	2.0	47	0	2A/B
S3TP25 (Brownhill)	1.0	97	0	2A/B
S3TP25 (Brownhill)	2.0	11	0	1A
S3TP26 (Brownhill)	2.0	57	0	2A/B
S3TP26 (Brownhill)	3.0	3	0	1A
CPWS07 (Brownhill)	1.2	2	0	1A
CPWS07 (Brownhill)	2.0	2	0	1A
Farndon West Borrow Pit				
S3TP06 (Windmill W)	1.0	36	0	2A/2B
S3TP06 (Windmill W)	1.6	15	0	2A/B
S3TP07 (Windmill W)	1.0	39	0	2A/B
S3TP07 (Windmill W)	1.7	36	0	2A/B
S3TP08 (Windmill W)	1.0	15	0	2A/B
S3TP08 (Windmill W)	1.8	3	0	1A

S3TP10 (Windmill W)	1.0	55	0	2A/B
S3TP10 (Windmill W)	2.0	7	0	1A
S3TP12 (Windmill W)	1.0	52	0	2A/B
S3TP27 (Windmill W)	1.0	54	0	2A/B
S3TP27 (Windmill W)	2.8	1	0	1A
S3WS01 (Windmill W)	2.0	2	0	1B
		Farndon East Borrow Pit		
S3TP29 (Windmill E)	1.0	11	0	1B
S3TP30 (Windmill E)	1.0	13	0	1B
S3TP31 (Windmill E)	1.0	20	0	2A/B
S3TP32 (Windmill E)	1.0	5	0	1A
S3TP33 (Windmill E)	1.0	30	0	2A/B
S3TP34 (Windmill E)	1.0	4	0	1A

The aspiration of the trial pit investigations was to confirm the presence of granular fill where borrow pits can be used to provide site won fills without the need for road haulage and rapid moisture content reduction by means of aeration, which was successfully implemented during the original A46 works in 1990.

Unfortunately, the proposed Farndon West Borrow Pit between Ch.300 and 1000 has revealed a high proportion of cohesive soils, which despite being the grading of Class 2A/B material is likely to be Class U1A due to high natural moisture content and organic content.

To the west of the A46 only 4 out of 12 PSD result indicate the presence of Class 1 material and separation of acceptable from unacceptable material may be difficult and result the volume of soil excavated being 3 to 5 times the volume of soil actually used as Class 1 general fill.

The results for the proposed Farndon East Borrow Pit between Ch.400 and 900 are more favourable with 4 out of 6 results indicating Class 1 material and Class 2 gradings being confined to the upper 1m which could be removed during a locally deepened topsoil strip.

If the volume of material generated from the smaller eastern area is insufficient, then additional trial pits are recommended to the north and west of S3WS01 to investigate the potential of better-quality soils being won with an extended haul route to site.

In the Brownhills, A1 and Winthorpe areas, gradings indicate an even distribution of fill classifications with 6 out of 14 results indicating granular Class 1 soils and 8 Class 2. In these locations it is expected that most cohesive soil will be suitable for Class 2 (or Class 4 landscape) fills due to lower natural moisture content and low organic content. As this area is outside the flood plain the influence of water will be relatively easy to control and separation between cohesive and granular fills should be possible.

Subject to detailed design and further material acceptance testing, it may be possible to use Class 2 fills for the northern embankments with 1V:2.5H slopes; however, it may be necessary to restrict the Class 2 materials to the core of these embankments and the landscape bunds. Slope analysis will be carried out in the next design stage to confirm this.

5.5 Ground Conditions and Material Properties - General

The results of the in situ and laboratory testing carried out for the individual materials encountered across the scheme are summarised in this section. The data presented is set to the requirements of BS EN 1997-1 [36], BS EN 1997-2 [37] and Appendix F of CD 622 “Managing Geotechnical Risk” [38].

The results quoted in the following sections have been determined directly from in-situ and laboratory tests or derived using established geotechnical correlations.

Based on the variation of these results, the characteristic parameters for each of the strata, have been determined using a combination of statistics and engineering assessment.

Due to the relatively large coverage area of the project, it is anticipated that variations in terms of ground and groundwater conditions may exist along the length of the proposed scheme. Therefore, design should be based on a geotechnical assessment of the ground conditions surrounding the asset for more representative parameters for design.

5.5.1 Topsoil

Topsoil is present on the surface of the existing A46 embankment slopes and across the natural landscape at the toe of embankments. The GFR [11] indicates topsoil depths on existing embankment slopes are 125mm for grassed areas and 300mm for planting zones.

Exploratory holes through natural ground generally encountered topsoil of thickness 300 to 500mm with a description of gravelly silty sand.

5.5.1.1 Classification Testing

Water Content

Three water content determinations on Topsoil samples gave results of between 21% and 25% with an average of 23%.

5.5.2 Made Ground / Fill

The majority of the anthropogenic soil on the scheme is the existing A46 embankments which will require benches to be cut into them prior to fill operations for online widening and ancillary highway works such as drainage trenches, ducts and new central reserve barriers.

The 1991 Geotechnical Feedback Report and the 2022 and 2023 Ground Investigation Reports provide a comprehensive account of the nature and extent of the different fill materials as summarised below.

5.5.2.1 Gravel Starter Layer

Selectively excavated gravels from borrow pits were used as basal drainage starter layers, with minor variations from the SHW Class 6C specification. The gravels were <75mm in size with maximum 4% fines and laboratory testing indicated horizontal permeability of $2x10^{-3}$ to $5x10^{-2}$ m/s.

5.5.2.2 Class 6B Rock Amour

300mm down crushed Lincolnshire Limestone from Greetwell, Leadman and Brauncewell quarries and crushed concrete from RAF Fullbeck were imported for use as scour resistant starter layers at the toe of new embankment.

5.5.2.3 Class 1A General Fill (1991 Class D8)

Locally won sand and gravel was sourced from the British Sugar and Trent Dyke borrow pits and used for general embankment fill from Farndon Roundabout to a location approximately 100m south of the central rail bridge (new project Ch.2790).

5.5.2.3.1 Density Testing

Bulk Density

The bulk density of the Class 1A fill is assumed to be 20kN/m^3 for dense well graded sandy gravel as per BS 8002:2015.

5.5.2.3.2 Classification Testing

Particle Size Distribution (PSD)

PSD's are expected to be in accordance with the SHW series 600.

5.5.2.3.3 Strength Testing

Standard Penetration Test (SPT)

Sixty-nine SPTs were carried out within the Class 1A fill. The N_{60} values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor. N_{60} values shown below have been limited to 50 for conservative parameter derivation.

SPT N_{60} values range between 12 – 50 with an average of 45.

SPT $N_{1,60}$ values range between 13 – 85 with an average of 68.

A plot of the SPT N values against level is shown in Appendix D, D.1.2.

Appendix D, D.1.2 shows N_{60} extrapolated values to assist with construction, however D.1.3 contains a plot of the limited SPT N_{60} values against level which have been used for parameter derivation where some caution is required to comply with the EC7 guidance of characteristic values.

Effective stress parameters

Effective stress parameters for the stratum have been determined using the relationship given in BS8002 [39]:

The angle of shearing resistance, $\phi_{cv}' = 30° + \phi'_{ang} + \phi'_{PSD}$.

Class 1A Fill has been described as angular to sub-rounded, which correlates to an $\phi'_{ang} = 2°$. The uniformity coefficient is determined by the soil grading from the PSD tests and has been determined to be medium graded, which equates to $\phi'_{PSD} = 4°$. This suggests that the constant volume angle of shearing resistance, ϕ_{cv}', for the Class 1A fill is 36°.

Based on the Peck et al correlation (1967) [40] correlating the relationship between SPT N values and angle of shearing resistance this indicates a peak angle of shearing resistance between 31 – 44° with an average value of 42°.

A plot of SPT correlated values against level is shown in Appendix D, D.1.3.

5.5.2.3.4 Stiffness

Drained Young's modulus (E')

The large strain drained stiffness (E') of the Class 1A fill has been estimated from the SPT N based on the empirical correlation included within Bowles Foundation Analysis and Design 5th Ed [40] Table 5.6 for medium dense and dense gravelly sand resulting in an average value of 31MN/m^2. Further information is provided in section 5.6.4

regarding direct measurement of small strain stiffness and the relation between stiffness and strain levels.

5.5.2.4 Class 2B Local Marl Fill (1991 Class D6)

Flood embankments and basal shear keys seepage for cut-off were constructed at Farndon and Kelham Road with low permeability general fill from the British Gypsum Quarry in Balderton.

This fill was not identified clearly through the investigations.

5.5.2.5 Class 2E PFA Fill

The central part of the scheme (new project Ch.2790 to 4435) has high embankments where the A46 approaches the Notts-Lincs East Railway Bridge, Neither Lock Viaduct and the WWTW access bridge. These embankments were constructed with Class 2E Pulverized Fuel Ash from West Burton Power Station. Limestone fines from crushing operations were included to enable root growth in landscape areas on PFA fill.

5.5.2.5.1 Classification Testing

Water Content

Moisture content testing conducted through the PFA fill indicates a moisture content between 12-23% with an average value of 18%.

Appendix D, D.2.1 contains a plot of the moisture content values against level.

Bulk Weight

The GFR [11] section 7.29 indicates that the mean dry compacted density was 1470kg/m^3 and mean moisture content during compaction was 17.4%, (which is verified by determinations of moisture content during the 2021 GI) hence the bulk until weight is approximately 16kN/m^3.

Particle Size Distribution (PSD)

There is only one PSD test which has been completed in this material as part of the 2021 GI. The curve shows that the PFA fill has 84% fines (passing 0.063mm).

Plasticity Tests

Seven plasticity tests were conducted in the PFA, all of which confirming that the PFA is non-plastic.

5.5.2.5.2 Strength Testing

Standard Penetration Test (SPT)

Twenty SPTs were carried out within the Class 2E fill on the verge of the existing A46 during 2021. The N_{60} values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor.

The values may be indicative of significant self-cementation, although this will be confirmed during pre-earthwork trial pits to inform the temporary works design.

A plot of the SPT N values against depth is shown in Appendix D, D.2.2. A summary of SPT N values in PFA fill is shown below:

Table 17: Summary of SPT test data in PFA embankment

Location	Chainage	Depth (mberl)*	SPT
BH38-2021	2875	2.0	50 for 150mm
BH38-2021	2875	4.0	50 for 150mm

BH08-2021	3135	2.0	N 31, N_{60} 39, $N_{1,60}$ 61
BH08-2021	3135	4.0	50 for 75mm
BH08-2021	3135	6.0	50 for 40mm
BH42-2021	3475	2.0	50 for 105mm
BH42-2021	3475	4.0	50 for 105mm
BH42-2021	3475	6.0	52 for 150mm
BH42-2021	3475	8.0	50 for 95mm
BH13-2021	3950	2.0	50 for 257mm
BH13-2021	3950	4.0	50 for 70mm
BH13-2021	3950	6.0	50 for 70mm
BH13-2021	3950	8.0	50 for 150mm
BH43-2021	4050	2.0	50 for 135mm
BH43-2021	4050	4.0	50 for 105mm
BH43-2021	4050	6.0	26 for 150mm
BH44-2021	4220	2.0	50 for 105mm
BH44-2021	4220	4.0	50 for 115mm
BH45-2021	4320	1.2	50 for 70mm
BH45-2021	4320	2.0	50 for 75mm

*metres below existing road level

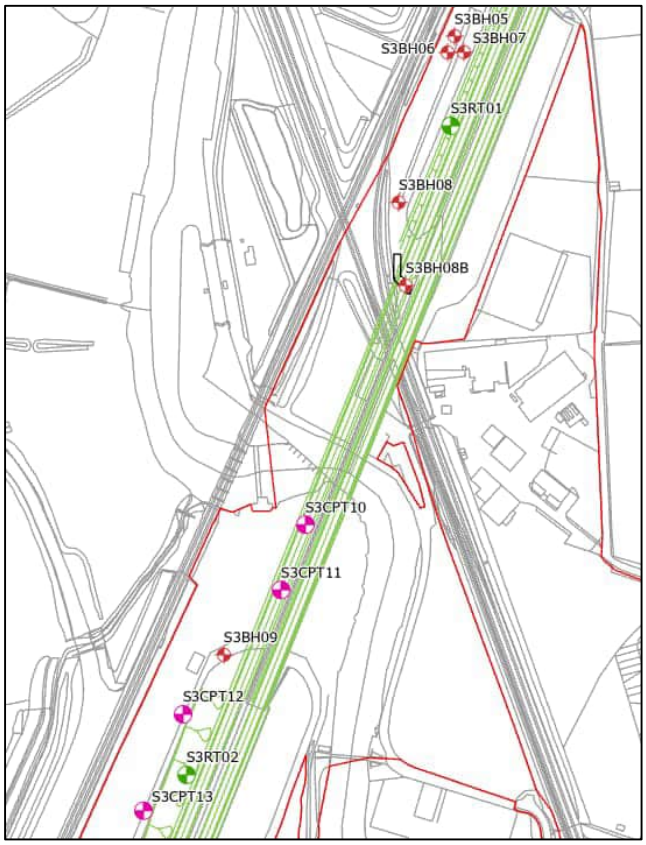
5.5.2.5.3 Geophysical Testing

Soil Resistivity Testing

The soil resistivity testing survey report is included within the factual report in Appendix C. The soil resistivity testing survey was carried out at two locations (S3RT01, 02 in green) along the embankment as shown in Figure 22.

The overall range of apparent resistivity values is consistent with the anticipated geology. With a range of 56 to 154 ohm.m, the characteristic value (<100 ohm.m) will be in the most onerous category of corrosivity. However, the range of apparent resistivity values for the northern test location is marginally higher than the southern test positions indicating potential for some lateral variation in ground conditions.

Figure 22: Location of Resistivity Testing



Based on resistivity testing and chemical analysis the aggressivity of the PFA can be calculated to determine the corrosivity classification of the surrounding soil. Based on Table 8.5 from CD 375 Rev 1 [41], corrosivity classification is determined based on the soil type, resistivity, pH, water soluble sulphates, chloride ions and Oxidisable sulphides. No testing of the oxidizable sulphides were included as part of the stage 3 ground investigation as PFA was not observed in any of the boreholes. The corrosivity classification for this material is rated as -6 before incorporating the oxidizable sulphides which would only have potential to reduce the rating, therefore the environment can be described as very aggressive. This should be considered during detailed design of permanent buried steel to ensure design is adjusted to account for potentially high corrosion.

Seismic Testing

Seismic CPT investigation has been carried out at 4 locations, but early refusal at depth less than 1.5m occurred at two of these locations despite several attempts to penetrate the existing fill. This data is in the Strata Survey factual GIR and indicates small strain stiffness (G_o) for the granular soils to be 50 to 150 MPa for locations SCPT05A (A1 bridge south abutment) and SCPT41A (Windmill Viaduct East abutment).

Assuming a Poisson's Ratio of 0.25 for granular soils, E_o' will be 125 MPa for a lower bound G_o of 50MPa. This indicates that E' in the strain range for small pile groups will be approximately 50 to 60 MPa after MOGE Figure 55.28 [45] and empirical correlations e.g. Bowles [42] where E' = 31MPa (where E=1200(N+6) for gravelly sand) is derived is only applicable for large strains, for example settlement under large new embankments.

Proposed stiffness parameters are summarised in Table 24.

5.5.2.6 Class 6G Gabion Mattress Fill

GFR [11] Figure 4 shows the presence of a gabion mattress scour protection between the spread footing 'L' wall of the western Nottingham to Lincoln railway bridge to the southern bridge pier.

GFR [11] Figure 5 shows the presence of a 300mm thick gabion mattress on the Farndon flood bank. [12]

5.5.2.7 Class 6F Capping

The pavement construction was founded on a 350mm thick layer of Class 6F fill.

5.5.3 Geosynthetics

GFR [11] Figures 6 to 10 show a widespread use of Stabelenka 400 as a combined tensile reinforcement and separator between topsoil and the overlying embankment fill. Another geotextile (Terram 1000) separated general fill from the basal drainage starter layer.

GFR [11] Figure 4 shows the presence of an impermeable membrane (Carbofol CHD 25 with PP5 fleece) beneath the starter layer to the Lincoln railway bridge approach embankment and beneath the gabion mattress. This should have prevented stone from punching into the underlying alluvial soil. GFR [11] Figure 6-7 also shows that an impermeable membrane was used for a 150m length north of the Windmill Viaduct where the cohesive alluvium was removed and replaced with granular fill, for approximately 100m either side of the western rail bridge and for approximately 200m either side of the central rail bridge.

GFR [11] Figure 4 also shows a geotextile separator above the starter layer which reduces mixing of fines from the general fill placed above.

A basal geogrid (Paragrid 100S/255) was used under the base of the PFA embankment over particularly soft ground for a 250m length between the WWTW access bridge and Brownhill's.

5.5.4 Cohesive Alluvium

Cohesive alluvium has been encountered in exploratory holes from Ch.0400 (BH02) to Ch.4250 (BH47). The depth of cohesive alluvium varies from being absent locally to a maximum 4.9m (BH227 1978) at the northeast abutment of the central railway bridge. The presence of such a deep cohesive alluvium deposit is considered to be exceptional for the scheme, as the next most significant depth of compressible alluvium is to 3.6m depth in WS04 at Ch.0400 and other locations of deep soft ground are between the western rail bridge and Cattle Market Junction for example 2.8m depth in BH33, 2.7m in WS23 and 2.6m in TP10 (2021). It has been encountered as soft and firm gravelly sandy clay and locally as soft silt.

Where the alluvium has been surcharged from embankment loading over the past 30 years, consolidation has generally resulted in a minimum strength gain from soft to firm (Cu 40-75kPa) consistency. Beyond the footprint of the existing A46 embankments the alluvium generally has a firm crust where desiccation has caused consolidation for up to 1m depth with soft clay and silt, and occasionally very soft clay, below.

5.5.4.1 Index Tests

Water Content

One-hundred moisture content tests were conducted through the cohesive alluvium as part of moisture content tests, shear box tests and triaxial tests indicating a moisture content between 3-67% with an average value of 28%.

Appendix D, D.3.1 contains a plot of the moisture content values against level.

Dry and Bulk Density

Density testing was completed as part of the shear box testing, compaction testing, consolidation testing and triaxial tests. Nineteen tests were completed in this stratum or on recompacted material from this stratum, with an average bulk density of 1.92Mg/m^3. The oedometer and triaxial test results contain bulk density of 'undisturbed' samples from which these are three results giving the range of bulk density 1.51 to 1.96Mg/m^3 with an average of 1.79Mg/m^3.

Appendix D, D.3.2 contains a plot of the density values against level.

Plasticity Tests

Seventy-seven plasticity tests were conducted in the Cohesive Alluvium.

These have recorded liquid limits between 29% and 84% with an average of 49%, plastic limits between 15% and 36% with an average of 24% and plasticity indices of between 13% and 49% with an average value of 26%.

The plasticity chart presented in Appendix D indicates the Cohesive Alluvium is mostly intermediate to high plasticity with a few results indicating low and very high.

The distribution of water content, liquid limit and plastic limit with depth are shown in Appendix D, D.3.3.

5.5.4.2 Strength Testing

Standard Penetration Test (SPT)

Eighty SPTs were carried out within the Cohesive Alluvium. The N60 values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor. N values shown below have been limited to 50 for conservative parameter derivation.

SPT N_{60} values range between 0 – 50 with an average of 22.

SPT $N_{1,60}$ values range between 2 – 50 with an average of 27.

Higher values observed were located on the boundary between Cohesive Alluvium and the Weathered Mudstone.

Appendix D, D.3.4 shows N_{60} extrapolated values to assist with construction, however D.3.5 contains a plot of the limited SPT N_{60} values against level which have been used for parameter derivation.

Undrained Shear Strength

Two quick undrained shear strength tests in triaxial compression apparatus were completed as part of the 2021 GI. The results of these tests indicated that the undrained shear strength ranged from 49 – 80kPa.

Twenty-four in-situ hand shear vanes were conducted as part of the 2021 GI to determine peak undrained shear strength. This gave a variation between 25 – 62kPa and an average value of 45kPa.

The undrained shear strength (c_u) may also be derived from the SPT N using the empirical correlation proposed by Stroud (1989) [43] and adopting a site-specific f1 value of 4.2, based on average plasticity index.

A plot showing undrained shear strength based on laboratory testing has been included in Appendix D, D.3.6.

Because of the nature of the test, hand shear vane tests are disproportionately carried out on shallow, low strength samples and this has been allowed for when considering the characteristic undrained shear strength of the material.

CPT data, together with correlations to other parameters including undrained shear strength is provided in the 2023 Factual GIR, where the derivation of Cu from CPT parameters is explained. The empirical cone factor N_k is required to relate cone resistance and effective stress to Cu. Three values 15, 17.5 and 20 are considered to cover the likely range in published literature.

This is the most reliable method of assessing soil strength for soft to firm alluvial clay due to the disturbance experienced in other test methods and the possibility to test the soil in its in-situ conditions. The following table illustrates the minimum Cu values from the CPT data using an N_k of 20.

Table 18: Summary of CPT data in cohesive alluvium

CPT ref	Depth / Elevation	Min Cu kPa	Chainage
S3CPT12	1.0 / 8.1	40	3550
S3CPT13	1.75 / 7.7	40	3475
SCPT14	1.0 / 8.7	60	3410
SCPT15	2.2 / 7.3	25	3325
SCPT24	4.0 / 5.8	30	2810
SCPT25	4.3 / 5.7	35	2765
SCPT30	1.7-2.8 / 7.8-6.7	30	2585
SCPT31	1.3-1.9 / 7.8-7.2	25	2540
SCPT34	2.3 / 7.5	20	2570
SCPT35	2.3 / 7.6	25	2525
SCPT36	1.7 / 8.1	40	2490
SCPT40	1.8 / 8.4	20	0995
SCPT41	2.3 / 8.5	20	0350

Effective shear strength parameters

Three shear box tests were conducted on samples from the 2021 GI indicating a Peak angle of friction in the range of 31° – 36° with an average value of 34°

One consolidated undrained triaxial test with measurement of porewater pressure, indicated an effective angle of shearing resistance, ϕ', of 31°.

These four lab tests indicate higher long term friction angles than typically used in design and the number of tests is too small to provide confidence in the results, therefore the plasticity data will be used in design. This is based on an expression in BS8002 [44] proposed by Santamarina and Díaz-Rodriguez, which fits data presented by Terzaghi, Peck, and Mesri, the effective angle of shearing resistance, $\phi'_{cv,k}$ can be estimated from $\phi'_{cv,k} = (42\ ^\circ - 12.5\log_{10}IP)$ for $5\% \leq IP \leq 100\%$. This results in a range between 21° – 28° with an average value of 24.5°.

A plot showing effective shear strength with depth for all methods of analysis is included in Appendix D, D.3.6.

5.5.4.3 Stiffness

The coefficient of volume compressibility (mv) may be derived from the SPT N values based on the empirical correlation proposed by Stroud (1974) [41] using f_2 value of 0.48. This resulted in a range of values between 0.04 – 1.04 with an average value of 0.31m^2/MN, which is approximately an E_v' of 3.2MPa and E_{uv} of 4MPa.

The undrained Young's modulus (E_{vu}) of the Cohesive Alluvium can be estimated from the relationship Ev_u/c_u = 300 for clays (CIRIA SP27) [46] for embankment and shallow foundation loading, where undrained strength is determined in section 6.4.1.2.

Seismic CPT investigation has been carried out at SCPT41A near Windmill Viaduct and indicates the soft alluvium 1 to 2.7m depth has a small strain stiffness (G_o) 10 to 20 MPa.

Assuming a Poisson's Ratio of 0.5 for undrained clay, E_o will be 30 MPa for a lower bound G_o of 10MPa. This indicates that Eu in the strain range for small pile groups will be approximately 10 to 15 MPa after MOGE Figure 55.28 [47].

The horizontal stiffness will be higher than the vertical stiffness due to soil anisotropy and due to lower horizontal ground strain. $E_{hu} = 600*c_u$ is proposed for linear elastic analysis of laterally loaded piles or piled walls.

Proposed stiffness parameters are summarised in Table 20.

CIRIA SP27 [46] indicates that $E_v' = 075*E_{vu}$ for embankment and shallow foundation loading.

5.5.5 Granular Alluvium (Holme Pierrepoint Sand and Gravel)

Granular alluvium is present beneath topsoil between Farndon and the River Trent (Ch.000-0245) and in the Brownhill's Junction and A1 area Ch.4250-5550. The granular alluvium is present beneath cohesive alluvium in the central flood plain where it reaches a maximum depth of 9.3m in BH06 (2021) at the north-east side of Cattle Market Roundabout.

This stratum comprises sand and gravel with gravel being generally sub angular to sub rounded.

5.5.5.1 Classification Tests

Particle Size Distribution (PSD)

PSD's were discussed in 5.4.2 (potential borrow pits).

5.5.5.2 Acceptability Tests

Water Content

Forty-two moisture content tests were conducted through the granular alluvium indicating a moisture content between 3-55% with an average value of 13%.

Appendix D, D.4.1 contains a plot of the moisture content values against level.

5.5.5.3 Density Tests

Dry and Bulk Density

Density testing was completed as part of the shear box testing and compaction testing. Twenty-nine tests on recompacted samples were completed in this stratum with an average dry density of 1.87Mg/m^3 and bulk density of 1.99Mg/m^3.

Appendix D, D.4.2 contains a plot of the density values against level.

5.5.5.4 Strength Testing

Standard Penetration Test (SPT)

Four hundred and seventy one SPTs were carried out within the Granular Alluvium. The N60 values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor. N values shown below have been limited to 50 for conservative parameter derivation.

SPT N_{60} values range between 0 – 50 with an average of 29.

SPT $N_{1,60}$ values range between 0 – 50 with an average of 36.

Appendix C, D.4.3 contains a plot of the SPT N_{60} extrapolated values to assist with construction, however D.4.4 contains a plot of the limited SPT N_{60} values against level which have been used for parameter derivation.

Four small drained shear box tests were carried on samples of sand and gravel from WS46, 48, 57 and 68 over a normal pressure range of 50 to 200kPa.

The peak angle of shearing resistance, ϕ_p' = 32 to 39° and average 35^0 (with c' 4 to 13kPa). The samples had the largest particles sieved out and therefore may underestimate the strength of the bulk material.

Effective stress parameters

Effective stress parameters for the stratum have been determined using the relationship given in BS8002 [39]:

The constant volume angle of shearing resistance, $\phi_{cv}' = 30° + \phi'_{ang} + \phi'_{PSD}$.

Granular Alluvium has been described as sub-angular to sub-rounded, which correlates to a $\phi_{cv}'_{ang} = 2°$. The uniformity coefficient is determined by the soil grading from the PSD tests and has been determined to be medium graded, which equates to $\phi_{cv}'_{PSD} = 4°$. This suggests that the angle of shearing resistance, ϕ_{cv}', for the Granular Alluvium fill is 36°.

Based on the Peck et al correlation (1967) [40] correlating the relationship between SPT N values and angle of shearing resistance this indicates a peak angle of shearing resistance up to 43° with an average value of 37°.

5.5.5.5 Stiffness

Drained Young's modulus (E')

The drained stiffness (E') of the Granular Alluvium has been estimated from the SPT N based on the empirical correlation included within Bowles Foundation Analysis and Design [40] for medium dense gravelly sand resulting in an average value of 28MN/m^2. This is considered to be a lower bound large strain stiffness in view of the geophysical measurements of G_0 and that the granular soils are expected to be lightly overconsolidated. The direct measurement of G_0 indicates small strain stiffness for the granular soils to be 50 to 150 MPa for locations SCPT05A (A1 bridge south abutment) and SCPT41A (Windmill Viaduct East abutment).

Assuming a Poisson's Ratio of 0.25 for granular soils, E_0 will be 125 MPa for a lower bound G_0 of 50MPa. This indicates that E' in the strain range for small pile groups and piled walls will be approximately 50 to 60 MPa after MOGE Figure 55.28 [47]

Proposed stiffness parameters are summarised in Table 21.

5.5.6 Mercia Mudstone

Mercia Mudstone has been identified to underly the entire site comprising of Weathered Mudstone Grade III / IV overlying Fresh Mudstone Grade I / II.

5.5.6.1 Weathered Mercia Mudstone Grade III / IV

Weathered grade III / IV mudstone has been observed throughout the site underlying the granular alluvium recovered as firm to stiff and very stiff clay.

Soil descriptions on bore hole logs provide a weathering grade classification and CIRIA C570 [48] also provides further guidance, for example suggesting that the transition from grade III 'soil' to grade II 'rock' is at an SPT N value of 80, which is comparable to a Cu of approximately 400kPa when the relationship after Stroud & Butler [43] is applied.

The BGS publication 'Engineering geology of British rocks and soils. Mudstones of the Mercia Mudstone Group [54] provides data that confirms the site-specific parameters are close to the expected ranges.

5.5.6.1.1 Index Tests

Water Content

A total of ninety-nine moisture content tests were conducted through the weathered mudstone as part of moisture content tests, triaxial tests and UCS tests indicating a moisture content between 3.3 – 39% with an average value of 20.4%. Hobbs et al [49] reports natural moisture content of weathered Mercia Mudstone to be 12 – 40%, which indicates the lowest values measured in the GI may be subject to test error or may actually comprise of samples of unweathered rock.

Appendix D, D.5.1 contains a plot of the moisture content values against level.

Dry and Bulk Density

Density testing was completed as part of triaxial tests. Sixteen tests were completed in this stratum with an average bulk density of 2.08Mg/m^3. Hobbs et al [49] reports typical bulk density of 1.84Mg/m^3 for weathered Mercia Mudstone and 2.48 Mg/m^3 for unweathered

Appendix D, D.5.2 contains a plot of the density values against level.

Plasticity Tests

Fifty-six plasticity tests were conducted in the weathered grade III/IV Mercia Mudstone.

These have recorded liquid limits between 28% and 64% with an average of 38%, plastic limits between 16% and 27% with an average of 20% and plasticity indices of between 10% and 37% with an average value of 18%. Hobbs et al [49] reports plastic index to be 10 – 35%.

The plasticity chart presented in Appendix D indicates the Mercia Mudstone is mostly low to intermediate plasticity.

The distribution of water content, liquid limit and plastic limit with depth are shown in Appendix D, D.5.3.

5.5.6.1.2 Strength Testing

Standard Penetration Test (SPT)

Two hundred and thirty-one SPTs were carried out within the Weathered Mudstone. The N60 values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. SPT's with refusals at 50 blows has been extrapolated to provide a value greater than 50 for a 300mm penetration assuming a linear trend. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor.

SPT N_{60} extrapolated values range between 5 – 1675 with an average of 116.

SPT $N_{1,60}$ extrapolated values range between 9 – 1650 with an average of 118.

Appendix D, D.5.4 contains a plot of the SPT N values against level.

Undrained Shear Strength

Five undrained triaxial compression tests were completed as part of the 2021 GI. The results of these tests indicated that the undrained shear strength ranged from 119 – 187kPa.

Eight in-situ hand shear vanes were conducted as part of the 2021 GI. This gave a variation between 39 – 75kPa and an average value of 56kPa.

The undrained shear strength (c_u) may also be derived from the SPT N using the empirical correlation proposed by Stroud (1989) [43] and adopting a site-specific f1 value of 4.2, based on average plasticity index. This gives a range of shear strength from 17 to 630kPa.

A plot showing undrained shear strength with depth for all methods of analysis is included in Appendix D, D.5.5.

Because of the nature of the test, hand shear vane tests are disproportionately carried out on shallow, low strength samples and this has been allowed for when considering the characteristic undrained shear strength of the material.

Effective shear strength parameters

Based on an expression in BS8002 [44] proposed by Santamarina and Díaz-Rodriguez, which fits data presented by Terzaghi, Peck, and Mesri, the effective angle of shearing resistance, $\phi'_{cv,k}$ can be estimated from $\phi'_{cv,k} = (42° - 12.5\log_{10}IP)$ for $5\% \leq IP \leq 100\%$. This results in a range between 22° – 30° with an average value of 26.5°. Hobbs et al [49] reports values of $\phi'_{cv,k}$ 25 – 42° for weathered Mercia Mudstone.

5.5.6.1.3 Stiffness

The coefficient of volume compressibility (mv) may be derived from the SPT N values based on the empirical correlation proposed by Stroud (1974) [41] using f_2 value of 0.48. This resulted in a range of values between 0.01 – 0.45 with an average value of $0.06m^2/MN$ which is approximately an E_v' of 17MPa and E_{uv} of 20MPa.

The undrained Young's modulus (Ev_u) of the weathered grade III/IV Mercia Mudstone can be estimated from the relationship $Ev_u/c_u = 350$ for clays (CIRIA SP27) [46] for embankment and shallow foundation loading, where undrained strength is determined in section 6.4.1.2.

The undrained Young's modulus (E_{hu}) can be derived based on $E_{hu} = 1000*c_u$ for piled and retaining walls (CIRIA C760) [50].

CIRIA SP27 [46] indicates that $Ev' = 0.75*E_{vu}$ for embankment and shallow foundation loading.

CIRIA C760 indicates for piled walls in clay that $E_h' = 750*c_u$. This is considered to be a suitable correlation for laterally loaded small pile groups and piled walls, in stiff and very stiff weathered Mercia Mudstone. $Ev' = 262*C_u$ is proposed for drained linear elastic analysis of settlement under embankment loading.

Seismic testing has been carried out within 9 boreholes at several locations to investigate the small strain stiffness of the solid geology, where refusal of CPT equipment was expected. Unfortunately, this method relies on a stable fluid filled unlined bore and bore collapse at some locations limited the depth range that measurements could be taken. The following table summarises the findings:

Table 19: Summary of Down Hole Seismic Testing in Mercia Mudstone

BH ref	Z mAOD	Weathering Grade	G_o (MPa)	E_{ou} (MPa)
S3BH01 (9.88mOD, Ch.5360)	-7.1 to -14	III (Ex wk, RQD 0-60%)	200 to 500	600 to 1500
	-14 to – 17.3	II (Ex wk to m str, RDQ 40-90%)	1000 to 2000	3000 to 6000
S3BH02 (9.98mOD, Ch.5270)	-0.5 to -1.0	III (Ex wk, RQD 0)	400	1200
	-1 to -4.0	II (Ex wk, RDQ 0-45%)	250 to 800	750 to 2400
S3BH08 (9.99mOD,	-0.5 to -12	II (V wk to m str,	300 to 700 + 3300 in band 16.5m	900 to 2100 +

Ch.3920)		RDQ 58-100%)	depth	9900 band
S3BH09 (12.62mOD, Ch.3600)	0 to -10	II (Ex wk to m str, RDQ 40-85%)	350 to 1000 + 2500 in band 18m depth	1050 to 3000 + 7500 band
S3BH10 (9.07mOD, Ch.3080)	-1 to -2.9	II (V wk, RQD 0-20%)	850 to 1300	2550 to 3900
	-2.9 to -3.9	IV, (Firm RDQ 0%)		
	-3.9 to -7	II (Ex wk to v wk, RQD 33-53%)		
S3BH11 (13.19mOD, Ch.2610)	-0.5 to -1.8	III (Ex-V wk RQD 0-23%)	500 to 600	1500 to 1800
	-1.8 to -3.1	II (Wk RQD 23%)	600 to 1000	1800 to 3000
	-3.1 to -9.0	II (m str – v str RQD 26-72%)	1000 to 2000	3000 to 6000
S3BH13 (11.04mOD, Ch.0340)	-6 to -11	II (Wk-V Wk, RQD 55-97%)	800 to 3000	2400 to 9000
S3BH14 (11.54mOD, Ch.0280)	-3.5 to -10.5	II (Ex wk-V Wk, RQD 20-67%)	150 to 1300	450 to 3900
S3BH15 (19.37mOD, Ch.3100)	-1 to -11	II (V wk-M str, RQD 60-83%)	1000 to 5000	3000 to 15000

Note – for integral bridge design upper bound stiffness is important. For other designs characteristic stiffness will consider lower bound

Proposed stiffness parameters are summarised in Table 21.

5.5.6.2 Fresh Grade I/II Mercia Mudstone

Fresh Mudstone was observed at much greater depths and generally comprised of medium strong reddish brown, grey mudstone with bands of siltstone and sandstone.

5.5.6.2.1 Index Testing

Water Content

Sixteen moisture content tests were conducted through the mudstone as part of moisture content tests and UCS tests indicating a moisture content between 2 – 23% with an average value of 11.3%. Hobbs et al [49] reports moisture content values of 5 – 15% for unweathered Mercia Mudstone.

Appendix D, D.6.1 contains a plot of the moisture content values against level.

Dry and Bulk Density

Density testing was completed as part of UCS tests. Fourteen tests were completed in this stratum with an average bulk density of 2.27Mg/m^3. Hobbs et al [49] reports a typical value of 2.48Mg/m^3 for bulk density of unweathered Mercia Mudstone.

Appendix D, D.6.2 contains a plot of the density values against level.

5.5.6.2.2 Strength Testing

Standard Penetration Test (SPT)

Fifty-three SPTs were carried out within the Fresh Mudstone. The N60 values have been derived based on the SPT direct measurement and corrected to account for the energy ratio of the SPT hammer. SPT's with refusals at 50 blows has been extrapolated to provide a value greater than 50 for a 300mm penetration assuming a

linear trend. The $N_{1,60}$ values have been calculated accounting for the overburden correction factor.

SPT N_{60} extrapolated values range between 24 – 3750 with an average of 407.

SPT $N_{1,60}$ extrapolated values range between 24 – 2101 with an average of 321.

Appendix D, D.6.3 contains a plot of the SPT N values against level.

5.5.6.2.3 Stiffness

Hobbs et al [49] reports values of 100 to 1200 MPa for Young's modulus of unweathered Mercia Mudstone. The fresh grade I/II mudstone can be treated as a rigid boundary i.e. non compressible material for the purpose of settlement calculations.

This stratum is also below the level of influence from horizontal loading of foundations on this project.

If pile calculations are carried out for end bearing that relies on reaching grade I/II Mudstone, then rock mechanics principals will be applied to obtain characteristic parameters, however at this stage it is anticipated that piles will be designed without reliance on toeing into fresh rock due to the highly variable depth of the weathering.

The downhole s-wave velocities will be used to assess stiffness for prediction of pile group settlement until verification is possible by means of pile load testing. It is expected that a minimum of one and potentially 2 preliminary pile load tests will be carried out during the detailed design stage, with the number of tests related to the different number of proposed piling methods.

5.6 Chemistry

5.6.1 Buried Concrete Classification

Chemical testing was undertaken on a total of 173 soil samples from across the site at depths ranging between 0.3m and 22m.

The characteristic values are summarised in Table 20 below.

Table 20: Characteristic values for each stratum

Geology	Soluble Sulphate in 2:1 water/soil extract (mg/l SO4)	pH in 2.5:1 water/soil extract
Topsoil	-	8.0
Class 1A Fill	1500	8.4
PFA Fill	200	8.0
Cohesive Alluvium	2100	8.7
Granular Alluvium	2800	8.7
Weathered Mercia Mudstone	2000	8.7
Fresh Mercia Mudstone	1500	8.5

The Design Sulphate (DS) Class and The Aggressive Chemical Environment for Concrete (ACEC) Classification for the strata have been determined in accordance with the BRE document. These are presented in Table 21 below.

Table 21: DS & ACEC Classification

Geology	DS Class	ACEC Class

Class 1A Fill	DS-2	AC-2
PFA Fill	DS-1	AC-1
Cohesive Alluvium	DS-3	AC-3
Granular Alluvium	DS-3	AC-3
Weathered Mercia Mudstone	DS-3	AC-3
Fresh Mercia Mudstone	DS-2	AC-2

The assessment is based on natural ground and mobile groundwater conditions with the exception of Made Ground where brownfield conditions have been assumed.

The specification of the concrete of foundations within these materials will need to be appropriate to these ACEC classes and follow the procedure specified in Section D of BRE Special Digest 1:2005 [51].

5.7 Contamination Testing

The contaminated land team are producing a Contaminated Land Risk Assessment including a screening of all geo-environmental testing conducted throughout the site. This is included within document HE551478-SKAG-EGN-CONWI_CONW-RP-LE-00046-P02, 14.06.2023.

The only instances of contaminated land identified in the main scheme Ground Investigation (Tetra Tech 2021) was in WS46 (Ch.4060) at the base of the Made Ground layer in the Alluvium between 2.5 and 3.65 meters below ground level, where the ground was described as cream slightly sandy clayey sand, where a 'chemical odor' was observed, and BH11 (Ch.3815) where PAH was observed to be slightly elevated with respect to human health guidelines for a commercial end use.

Further investigation was carried out in the supplementary GI (Strata Geotechnics 2023) to delineate the extent of the WS46 hotspot, with exploratory holes S3BH05-07 put down around this area.

A summary of the test results is provided in Table 22 and Table 23 below.

Table 22: Summary of soil exceedances (Tetra Tech)

Location ID	Determinant Name	Sample Depth (mbgl)	Stratum	Commercial 1% SOM mg/kg	Result mg/kg
BH11	Dibenz-a-h-anthracene	0.1	Made Ground	3.5	4.02
	Benzo(b) fluoranthene			44	47.1
	Benzo (a) pyrene			35	62.7
WS46	Naphthalene			190	19000
	Aromatics >C10 - 12			16000	46900

Table 23: Summary of soil exceedances (Strata Geotechnics)

Location ID	Determinant Name	Sample Depth (mbgl)	Stratum	Commercial 1% SOM mg/kg	Result mg/kg
S3BH05	Arsenic	2.9	Made Ground	640	840
	Dibenz-a-h-anthracene	1.65		3.5	14

	Benzo(b)fluoranthene			44	94
	Benzo(a)pyrene			35	78

The findings of the Strata Geotechnics GI indicate that the WS46 hotspot is either not extensive or is reducing in severity as groundwater flushes the source of contamination away from the site. No remediation is proposed, however a hazard is noted on the geotechnical risk register and drawings and the intention is to minimise excavations in the vicinity of this area, which are expected to simply comprise of a shallow excavation for protection measures to a buried utility pipe.

With regards to the elevated PAH in BH11 ‘clinker’ is noted in the log description and may be the source of the contamination or it is possible that ash is the source where the log describes ‘silty sand’. In this area a new pier foundation will be constructed with a group of CFA or bored piles. There is no long term risk to human health if the contaminated soils are covered with clean material, but pile arisings containing Made Ground will require further testing from stockpiles to establish the waste classification for disposal off site.

The CLRA section 39.1.5 classifies the scheme as very low risk.

The CLRA section 40.1.12 states that the ‘scheme will not pose a significant risk to controlled waters’.

The Discussion (section 38), Ground Gas (section 39), Hotspot (section 40) and Revised Conceptual Ground Model (section 41) is included in Appendix F.

5.8 Summary of Geotechnical Information

Table 24 summarises the material properties of the strata encountered and Table 25 summarises the parameters that are recommended for the geotechnical design of the scheme.

These parameters are representative of site wide observations, however should be reviewed in conjunction with adjacent structure specific GI for detailed design.

Table 24: Summary of Stratigraphy

Geology	Description	Level of Top of Stratum (mAOD)	Depth to top of stratum (m)	Typical Thickness (m)
Topsoil	Grass overlying dark brown/dark grey gravelly silty sand.	7.10 – 19.90	0.00	0.125 – 0.3
Class 1A Fill	Brown to dark brown slightly clayey sandy gravel.	8.93 – 22.42	0.30 – 1.20	0.30 – 14.90
PFA Fill	Compacted stiff to hard grey sandy clayey silt with gravels of slag (PFA).	14.60 – 21.80	0.90 – 1.70	3.65 – 8.90
Cohesive Alluvium	Soft to firm brownish grey sandy silty clay.	-2.90 – 18.42	0.00 – 11.60	0.20 – 9.60
Granular Alluvium	Medium dense to dense brown slightly clayey sand and gravel.	3.67 – 18.89	0.00 – 13.40	0.10 – 13.30
Weathered Mercia Mudstone	Recovered as firm to stiff silty clay. Zone III/IV Marl.	-2.86 – 11.29	0.80 – 17.00	0.50 – 27.00
Fresh Mercia Mudstone	Weak to medium strong reddish-brown mudstone.	-15.24 – 5.10	1.00 – 25.00	Not proven

Table 25: Geotechnical Design Parameters				**Piles <5mm deflection (linear elastic)**	**Piles v small strain (hyperbolic)**	**Settlement 20-200mm (linear elastic)**
Geology	Unit Weight, γ (kN/m^2)	Undrained Shear Strength, c_u, kPa	ϕ'_{cv} (degrees)	E_h' / E_{hu} @ 0.01% (MPa)	E_h' / E_{hu} @ 0.0001% (MPa)	E_v' / E_{vu} @ 0.1% (MPa)
Class 1A Fill	20	-	35	100	200	30-50*
Cohesive Alluvium	17	20	25	9 / 12	25 / 30	4.5 / 6
Granular Alluvium	20	-	35	100	200	30-50*
Weathered Mercia Mudstone	21	150+10z	26	112.5+7.5z / 150+10z	250+15z / 300+20z	56.25+3.75z / 75+5z
Fresh Mercia Mudstone	22	>400	30	N/A	N/A	>90 / >120

Notes:

1) Unit weight has been based on borehole log descriptions and BS8002:2015 Table 1.
2) For fine grained materials, the angle of shearing resistance has been calculated based on average Plasticity Index values for each stratum and BS8002:2015 Table 2 relationship between Terzaghi, Peck and Mesri.
3) For coarse grained materials, the angle of shearing resistance has been based on average SPT N values for each stratum and the 1967 Peck, Hanson & Thorburn relationship.
4) The undrained shear strength has been based on average SPT N values for each stratum and the Butler & Stroud correlation (1975).
5) The effective cohesion has been conservatively modelled as 0kPa based on site observations due to limited testing information for cohesive materials.
6) The drained Young's modulus for cohesive material including the weathered Mercia Mudstone (Grade III/IV) has used the E' = 750*C_u and E_u = 1000*Cu correlation for 0.01% strain stiffness from CIRIA C760.
7) A poisons ratio 0.25 drained is applied for all rocks and soils.
8) Very small strain stiffness is informed for geophysical measurement of G_0 and formula E=2G(1+n)
9) *Location specific assessment required (SPT 'N' vs depth, PSD, S-wave velocity) and lower bound values considered in accordance with Bowles where appropriate ref 5.6.9.3
10) Rockhead (grade II) is defined as min SPT N 80 or Cu 400kPa after CIRIA C570
11) The proposed soil parameters differ from the 1985 design values, largely to the limited understand of soil stiffness and reliance on oedometer results at that time. The 1985 values are:
    Alluvial crust; C_u 70kPa, c' 0kPa, ϕ' 30^0, C_v 4m^2/yr, m_v 0.07m^2/MN p_0 to p_0+200kPa (i.e. E 14MPa), mc 22%, Ip 23%
    Soft alluvium; C_u 13kPa, c' 0kPa, ϕ' 30^0, Cv 1m^2/yr, mv 1.26m^2/MN (E 0.8MPa), mc average 40%, I_p 25%,
    Grade III/IV mudstone; C_u 70-100kPa, c' 0kPa, ϕ'_{peak} 35^0, ϕ'_{res} 25^0, C_v 0.1 to 2000m^2/yr, m_v 0.12m^2/NM (8MPa)
12) **These parameters are representative of site wide observations, however should be reviewed in conjunction with adjacent structure specific GI for detailed design.**

6. Geotechnical Risk Register

This section contains an update of the Geotechnical Risk Register previously contained within the Atkins produced PCF Stage 2 GISR, rev. C03, published on 09/02/2021 (ref. HE5514-ATK-HGT-XX_A46-RP-CE-000001). This includes mitigation measures which have been undertaken and proposed mitigation measures which are recommended to be taken forward in the design.

The risk register is a snapshot of the project risk register and project CDM risk register which will continue to be updated throughout the course of the project. The project is using a central live risk register to ensure risks are visible to all disciplines throughout the project lifecycle.

The geotechnical and contamination risk register assesses the design risks associated with the project and identifies their potential impact on the progression of the scheme. The risk register forms an assessment for given design hazards based on the potential likelihood of occurrence and the severity of any impact on the scheme. The assessment of the Risk (R) to the scheme is determined by the Likelihood (L) x Severity (S).

The mitigation measures considered are those that may be applied during design or construction, as appropriate, to mitigate the hazards identified and, in most cases, to reduce the Risk to “As Low as Reasonably Practicable” (ALARP). For some situations the risks may have been reduced, but significant residual risk may remain, which must be controlled during construction phase of the project. When the risk assessment identifies that the risk falls into the medium to high category, control measures are required to reduce the risk to ALARP.

The risk ratings are identified below, it should be noted that figures quoted should be considered qualitative and used for comparison purposes only. Risks have been categorised using the following criteria:

- Cost
- Programme
- Health & Safety
- Environment
- Operations

Table 26: Likelihood of Occurrence

Probability		Score
Improbable	< 1%	1
Unlikely	> 1%	2
Possible	> 10%	3
Probable	> 50%	4
Very Likely	> 90%	5

Table 27: Hazard Impact Severity Table

Impact Severity	Cost (C)	Programme (P)	Health & Safety (H&S)	Environment (E)
1 **Very Low**	Negligible	Negligible	Negligible	Negligible

2 Low	1% budget	5% delay	Minor injury	Minor incident
3 Medium	10% budget	12% delay	Major injury	Incident requiring management input
4 High	20% budget	25% delay	Fatality	Incident leading to prosecution or protestor action
5 Very High	50% budget	50% delay	Multiple fatalities	Major incident with irreversible effects and threat to public health or protected natural resource

Table 28: Risk Level Matrix

		Impact Severity				
		1	2	3	4	5
Likelihood	1	1	2	3	4	5
	2	2	4	6	8	10
	3	3	6	9	12	15
	4	4	8	12	16	20
	5	5	10	15	20	25

Table 29: Design Team Actions

Risk Level	Health & Safety Risks	Technical / Commercial / Operational Risks
Low (1-8)	Check that risks cannot be eliminated or further reduced by design amendments Proceed with design and construction	Check cost/benefit of potential mitigations to reduce risks Proceed with design and construction
Medium (9-19)	Seek alternative designs and/or mitigations that eliminate or reduce risks Discuss with Client & other stakeholders Convey residual risks via risk register	Consider alternative designs and/or mitigations that eliminate or reduce risks Discuss with Client & other stakeholders Convey residual risks via risk register
High (20-25)	Amend design to reduce risk or seek alternative designs Critically review whether risk can be mitigated during construction Discuss with Client & other stakeholders Convery residual risks via risk register	Consider alternative designs and/or mitigations that eliminate or reduce risks Critically review whether risk can be mitigated during construction Discuss with Client & other stakeholders Convey residual risks via risk register

Table 30: Geotechnical Risk Register

Risk ID	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
CDM / Project Risk										
Existing Structures / Earthworks										
121	Striking buried services. Known presence of buried electricity, gas, telecom and water/sewer services	C, P, H&S	3	4	12	Injury/Death and/or cost of repair to services	Statutory services plans obtained and will be provided to contractor. Consultation underway with service providers including diversions of affected services planned as part of the design. Structures and earthworks drawings to highlight potential clashes. Appropriate protection/mitigation measures to be confirmed prior to construction by contractor.	2	4	8
128 / A46 – R401	Clash with existing buried/hidden structural elements. Existing biaxial raking H piles in Bridges B1, B4, B5, ground anchors, sheet piles are known to have been installed for the historic A46 works.	C, P, H&S	3	4	12	Damage to buried elements compromising existing structures.	As-built data to be used to input existing buried elements into the 3D design model. This will ensure that the model can be checked for any potential clashes.	2	4	8
129	Localised undermining of the earthwork/carriageway due to loss of uncemented PFA. PFA is known to have been used in the A46 embankments. This may not be cemented and could be scoured during heavy rain fall	C, P, H&S	3	3	9	Instability of the existing embankment resulting in localised repair work and/or temporary lane closure.	SPT N values indicates PFA is cemented Hazard to be added to geotechnical drawings if required.	2	3	6

Risk ID CDM / Project Risk	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
	causing erosion beneath the carriageway.									
131 / A46 – R402	Potentially overloading existing geotechnical assets which may already be in poor condition. Geotechnical assets along route are reportedly in good condition. Minor defects identified around Brownhills roundabout (toe scar, bulging, rabbit burrows).	C, P, H&S	3	3	9	Failure of existing slopes and structures which may already be at capacity. May result in additional ground improvement requirement and remedial works.	Existing earthwork monitoring regime to be implemented during construction. Note condition assessment to be carried out for Cattle Market culvert to confirm potential need for Leca fill. Central Rail Bridge East Abut to be reused for additional carriageway. Design to include assessment of existing loadings vs proposed. Assess existing foundations for re use of increased loads.	2	2	4
	Clash of A46 works with Proposed Network Rail Bridge	Design	3	3	9	Potential for design constraints, clash with new structure/foundations.	Interface meetings being held, and prelim options discussed to ensure risk of clash mitigated.	2	3	6
	Extent of shear keys from original A46 construction unknown.	C, P	3	2	6	Lateral extents of shear keys and full replacement unknown throughout existing embankment construction. New load near toe of existing batter may bear on soft alluvium causing ground movement	Existing earthwork monitoring regime to be implemented during construction or robust ground improvement designed.	2	2	4
Geology										
132	Unforeseen ground	C, P	3	3	9	Programme delay,	Ground investigation has been carried out, this GIR	2	3	6

Risk ID CDM / Project Risk	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
	conditions (including soft ground, loose ground, hard ground, unknown made ground, and unknown groundwater regime).					insufficient design, collapse/excessive deformation, damage to structures/earthworks/road. Potential contamination.	has been produced which includes summaries of the material parameters and possible risks.			
122 / A46 – R066	Earthwork Instability. Thin layer of soft clay occurs across the floodplain. This has been observed in historic GI and 2022 GI.	C, P, H&S	4	3	12	Differential settlement and instability issues in earthworks and structures.	Ground investigation has been carried out to determine the extents of the soft clay layer, this GIR has been produced which includes summaries of the material parameters and possible risks. Foundations and/or ground improvement to be designed accordingly (excavate and replace, ground improvement, surcharge or similar).	2	3	6
123 / A46 – R066	Deep alluvium channel at near Windmill Viaduct north abutment and at north end of flood plain Ch.4400-4500. Deep channel of very soft clay east of Nottingham – Lincoln Railway Bridge East; approx. 150m wide and 6m deep identified by historic GI and feedback report.	C, P, H&S, O	4	3	12	Earthwork surcharge led to movement of the adjacent railway line.	Stage 3 GI undertaken to identify depth of alluvium at proposed location of works. Piled foundations proposed for structures to limit settlement of structures. Steep strengthened earthworks to be built above shear key of existing embankment to reduce surcharge on soft alluvium. Ground improvement methods to be considered if approach embankments are to be located on alluvium channel.	2	3	6
124 / A46 – R066	Localised differential settlement leading to earthwork and carriageway repairs. The floodplain contains many alluvial channels	H&S, O	2	3	6	Differential and/or excessive settlements resulting in earthwork or carriageway repairs.	Geotechnical design to include settlement checks between existing and proposed embankment to reduce excessive differential settlement. Ground improvement methods and light weight fill options to be considered if appropriate. Post construction settlement monitoring period to be	1	3	3

Risk ID CDM / Project Risk	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
	(relict meanders of the River Trent). Localised and highly variable ground conditions within alluvium on River Trent floodplain.						specified. Fully flexible pavement reduces risk			
126 &127 / A46 – R071	Localised deep soft ground due to historic borrow pits.	C, P, H&S	3	3	9	Increased differential settlement	Pre earthwork trial pits to confirm risk to haul road Ch.1300-1500 and possible need for thickening haul road & additional geogrid	2	3	6
A46 – R404	Limited site won fill available in proposed borrow pit locations.	C, P	3	3	9	Alluvium and River Terrace Deposits may not be suitable for reuse, therefore increasing quantity of import and disposal.	Stage 3 GI completed to determine suitability of borrow pit locations. This is discussed in Section 5. Geotechnical design to limit need for alluvium to be removed by introducing ground improvement methods, light weight fill and stone columns. Allow for incorporation of poorer cohesive material into the works (e.g. landscaping/shallower slopes). Potential for reconditioning of fill from borrow pit locations.	2	3	6
A46 - 405	Greater depth to competent Mercia Mudstone. Variable weathering profile.	C, P, H&S	3	3	9	Insufficient capacity of foundations. Deeper foundations/re-design.	Stage 3 GI targeted at structures locations to identify depth to competent Mercia Mudstone. Section 7 discuss' the properties and depths of Mercia Mudstone in the location of structure designs. Pile load tests will be specified as part of the detailed design process to assist with pile design.	2	3	6
A46 – R406	Low permeability strata resulting in ineffective drainage design.	C, P	2	3	6	Ineffective infiltration testing resulting in delay to programme and additional cost for piped drainage.	Stage 3 GI included infiltration testing to confirm suitability for soakaway drainage.	1	3	3

Risk ID CDM / Project Risk	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
Geochemical & Geoenvironmental										
133	Chemical attack on buried steel and concrete. Alluvium was classified as aggressive to buried steel. Gypsum in Mercia Mudstone can be aggressive to buried concrete.	C, P, H&S	3	3	9	Earlier degrading structural integrity of buried steel and concrete.	BRE testing completed as part of the Stage 3 GI in locations of proposed foundations. Section 6.8 discuss' the appropriate concrete classes proposed for use throughout the site. Use sacrificial steel, appropriate concrete class and protective measures to be determined at detailed design.	2	3	6
134 / A46 – R118	Contaminated ground located at chainage 4000.	C, P, H&S, E	4	3	12	Continued spreading of contaminant. Damage to environment. Hazard to construction workers.	Stage 3 GI targeted previously identified contamination hot spot at chainage 4000. This is discussed further the environmental report HE551478-SKAG-EGN-CONWI_CONW-RP-LE-00046 which includes a Contaminated Land Risk Assessment. Attempt to avoid excavation in this area	2	3	6
Construction										
A46-R414	Unforeseen archaeology causing delays or other cost impact on new earthworks	C, P, E	2	3	6	Any significant 'finds' during July-Sept trenching investigations could lead onto more extensive investigations and recovery or protection measures for the archaeological items	Desk study report indicates any archaeological items are likely to have been destroyed by the River Trent flood events throughout the flood plain, but trenching investigation has not yet been carried out and will further inform this risk by October 2023	2	3	6
A46 – R407	Underpowered CFA rig remoulding mudstone around pile shaft	C, P, H&S	3	3	9	Lower pile capacity resulting in longer/additional piles.	Meeting been held with Piling contractor to discuss appropriate methods within this geology. Preliminary pile tests to be conducted prior to design.	2	3	6

Risk ID CDM / Project Risk	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
							Rotary bored method where risk is high			
135	Heave/vibrations from vibro stone column construction impacting on live traffic.	C, P, H&S, O	3	3	9	Vibro Stone Columns proposed in these areas: - Embankment Ch.0335-0980 - Cattle market earthworks - Embankment Ch.1530-2300	FPS exclusion zone of 10m from live traffic. In areas that do not meet this guidance consideration for night time working and lane closures.	2	3	6
136	Heave/vibrations from vibro works impacting on 3rd party buried services.	C, P, H&S, O	3	3	9	Vibro Stone Columns proposed in these areas: - Embankment Ch.0335-0980 - Cattle market earthworks - Embankment Ch.1530-2300	Exclusion zone typically 2-3m. Structures and earthworks drawings to highlight potential clashes. Appropriate protection/mitigation measures to be confirmed prior to construction by contractor.	2	3	6
125	Groundwater flooding as a result of removal of alluvial clay. Clay may act as a semi-permeable layer containing groundwater within sands and gravels below. If removed groundwater can flow upwards to surface during periods of flood.	C, P, H&S	3	3	9	Groundwater flooding of excavations resulting in construction difficulties.	Groundwater monitoring ongoing to provide better understanding of the groundwater levels throughout the site. Establish comprehensive groundwater model and monitoring in advance of the design and construction phases. Plan dewatering of excavations. Information to be passed to contractor and risk to be identified on construction drawings.	2	3	6
130	Pluvial and fluvial flooding of excavation works within flood	C, P, H&S	3	3	9	Scour, rapid draw down slips, or softening of	Detailed design to consider size of starter layer stone (6C vs 6B) to resist scour and height above FDL to mitigate wave scour. Detailed design will	2	3	6

Risk ID	Hazard	Risk Type	L	S	R	Consequence	Mitigation	L	S	R
CDM / Project Risk										
	zones.					formation	also consider the river hydrograph informs risks of formation softening and rapid draw down slope instability. Scour protection to structures will be covered in the structure specific design risk register			
137	Unexploded bombs / ordnance (UXB / UXO).	C, P, H&S	2	5	10	Injury to construction workers and general public. Damage to infrastructure. Programme delays and increased costs.	The Zetica UXO Desk Study and report indicates a low risk. This is discussed further in Section 3.14.	1	5	5
139	Negative skin friction on abutment piles or rigid inclusions may occur when new embankment loading generates long term settlement	C	3	2	6	Increase inclusion length – increase cost	Detailed design calcs to confirm	3	1	3
Operation & Maintenance										
138	Poor maintenance of slope drainage and other associated drainage network.	O, H&S	3	3	9	Slope failure, increase in cost of maintenance.	Drainage to be maintained in accordance with good practice as outlined in the Highway DMRB.	2	3	6

7. Engineering Assessment

This section provides a summary of preliminary calculations and the optioneering carried out to achieve the most suitable geotechnical solutions for the desired highway alignment and initial foundation loading. It provides site-wide considerations and also details each geotechnical asset from Chainage zero at Farndon Roundabout to Chainage 6900 at Winthorpe Roundabout.

7.1 Site Wide Constraints on Earthworks

The following constraints for geotechnical design have been provided by other disciplines (or buildability / maintenance):

- Maximum slope gradient for grassed area with maintenance is 1V:2H
- Maximum slope gradient for planted areas is 1V:2.5H
- Minimum offset from edge of carriageway to centre of tree trunk is 9m
- Minimum offset from edge of carriageway to shrubs is 4m

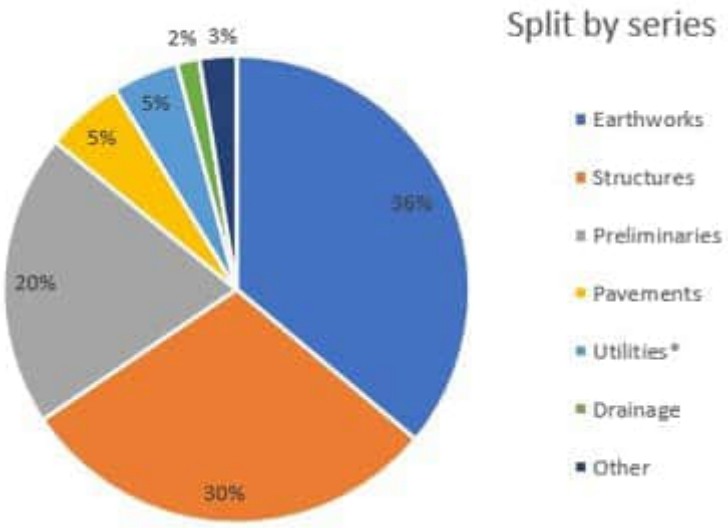
The Stage 3 design assumes 1V:2.5H embankment slopes where tree planting is required, 70-degree slopes where strengthen earthworks are possible, 1V:2H slopes in other areas and retaining walls at pinch points (Ch.2140-2190 SB, both carriageways Ch.2300-2570, Ch.2590-2680 and Ch.2700-3020).

7.2 Site wide Value Engineering and Carbon reduction

Total carbon emissions comprising construction materials, construction plant and operation have been calculated. There is need to provide a 35% carbon reduction by the project, relative to the Stage 2 design. This has largely been achieved but a remaining 2% is expected to be achieved during the detailed design stage.

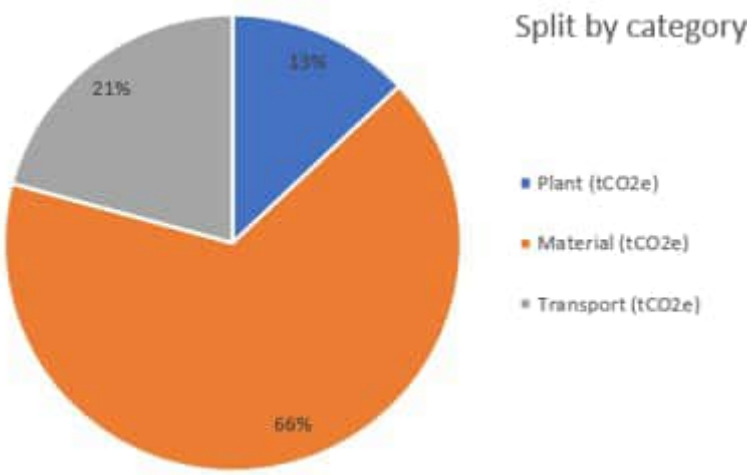
The split between different disciples that has already achieved a 33% relative to the Stage 2 design is shown in Figure 23 below.

Figure 23: Carbon saving during Design Stage 3 split by discipline



The carbon saving has also been split by category as shown in Figure 24 below.

Figure 24: Carbon Saving during Design Stage 3 by category



The most significant aspect of geotechnical 'Value Engineering Optioneering' carried out in PCF Stage 3 is to minimise the volume of new fill placed in the flood plain by use of steep strengthened slopes (Farndon to Brownhill's), which in turn reduces import costs, reduces the quantity of land purchased and reduces the volume of flood compensation excavations. This makes up a significant portion of the material savings that are 66% of the total carbon savings and a significant part of the earthworks carbon savings which contribute by discipline to 38% of the total carbon savings. Further details on the conceptual design of steep strengthened slopes are given in Section 7.3.

The Atkins PSSR [1] recommended a 1km length of soil mixing to 5m depth and a further 1km length of soil mixing to 2m depth. The subsequent Stage 2 design document 'Ground Investigation: Summary of key geological/geotechnical findings, 11.10.21 [52] identified the need for ground improvement to comprise of excavation/replacement of soft ground for 700m length to depth of 2m. The Stage 3 design development has removed the majority of this ground improvement and replaced it with low-carbon solutions as detailed in Section 7.4.

Where there is uncertainty in the form of piling due to lack of design at this stage, the scheme budget is being set with the assumption of rotary bored pile methods. It is likely that a small carbon saving can be made on the 'structures' by use of CFA piles where possible improvements in production rates may reduce the 'construction plant' measurement. There has also been consideration of designing out piled foundations to Brownhill's Underpass and the A46 over A1 bridge which has a carbon saving. There are no further significant carbon savings on foundations to be realised during detailed design.

It has been concluded that the benefits of providing enhanced visual screening with trees on 1V:2.5H slopes in the southern quadrants of Cattle Market and between Ch.4850-5700, outweighs the additional carbon savings that would be realised from planting at the base of steep strengthened slopes and therefore geogrid reinforced slopes are only introduced to locations where there is the added benefit from reducing the volume of fill in the flood plain and where visual impact in these areas are acceptable.

7.3 Floodplain Wide Steep Strengthened Slopes

Further logic has been proposed by the geotechnical designers and agreed by other relevant disciplines in order the define the extent and geometry of steep strengthened earthwork slopes as follows:

- Formation level for the basal geogrid will be the top of the starter layer which varies between 11.78 and 13.16mOD depending on the flood zone, as detailed in section 3.11.
- The top layer of geogrid shall be at the crest of the 70-degree slope and be at least 1.0m below finished road level.
- Slopes above the top layer of geogrid shall be 1V:2H.
- Reinforced soil slopes are not suitable where planting (trees or shrubs) is required. Where trees are required, slopes will be 1V:2.5H.
- Reinforced soil slopes are not suitable for low height slopes and the project definition will be where finished road level below approximately 15mOD.

An example of green 70-degree steep strengthened embankment slopes is illustrated below.

Figure 25: Bar Hill WB diverge, A14. Skanska 2020

Tensar have provided advice and an application suggestion for TensarTech ‘GreenSlope system’ which is included in Appendix E. Initial geogrid lengths have been calculated to be approximately 75% of the height of the strengthen slope. This is considered an adequate level of design to inform the temporary works assessment of short-term excavations into the existing A46 embankment slopes and in turn confirm the location of the new toe of batters.

Flexible facing systems exhibit high tolerance to differential settlement. The formation to steep strengthened slopes will require ULS checks for bearing capacity and SLS verification will include checking any strain limits in the geogrid design or BBA certificate and the limits in EN 14475:2006 [53]Table C.8 i.e. 2% differential settlement longitudinally and 5% transverse compressibility, as well as verification that any predicted remaining settlement beneath new pavement construction is acceptable at the time the pavement is constructed.

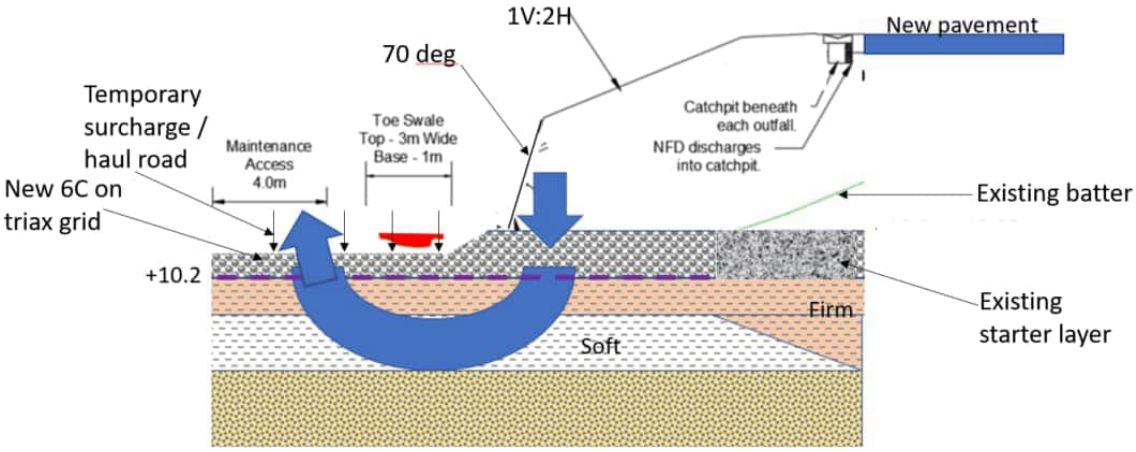
7.4 Site wide embankment bearing and settlement mitigation optioneering

The following options have been considered for mitigation when formation soils are soft and compressible and SLS ground movement or ULS bearing capacity or slope instability is a concern:

i) Temporary surcharge
ii) Basal geogrid
iii) Excavation and replacement (granular shear key)
iv) Use of lightweight fill e.g. 'Leca'
v) Concrete protection slabs over buried services
vi) Vibro Stone Columns
vii) Rigid Inclusions
viii) Piled load transfer platforms and piled protection slabs

In many locations of on-line embankment widening, it is expected that the short term (undrained) response of the soft alluvium to new embankment loading can be managed by the starter layer and a basal geosynthetic material, together with surcharge from the temporary haul road as illustrated in the figure below. The scope of embankment monitoring to manage this risk will be confirmed in the Geotechnical Design Report in due course. It is expected that some of the proposed 'stone column' ground improvement may be designed out if a robust monitoring plan is implemented with contingency measures in place. Examples of contingency measures could be to pause the bulk fill operations at mid height if movement or excess porewater pressure is detected, or to provide additional temporary surcharge in front of the toe of the new embankments.

Figure 26: Temporary surcharge of toe of batter to mitigate 'undrained' bearing failure



One final potential application of 'temporary surcharge' ground improvement is a contingency plan to force out any remaining consolidation settlement under new embankments adjacent to structures if monitoring indicates consolidation will not be complete at the proposed time of pavement construction. This would comprise of a temporary bund up to approximately 2m in height over a length of approximately 10 to 25m across any transition between earthwork and structure. Locations where this may be required include B01, B02N, B03N, B04N, B09N north abutment and B11N.

Excavation of soft clay and replacement with granular fill (including formation of shear keys) was a common method of ground improvement during construction of the existing A46 in 1989 and 1990. This method is practical on new-build, greenfield sites

with good working space. However, for online widening projects this method has many complications including road haulage to dispose of Class U1A material and the risk of instability of existing structures due to the temporary deep excavations. This method is considered to be suitable to improve ground to some new spread footings, for example B11N, however vibro stone columns may provide economy when the technique is already required in the vicinity e.g. to new wingwalls of B03N. For small scale excavations where other forms of ground improvement are not proposed, new shear keys may be provided for toe stability of widened embankments. The selection between stone column and granular shear key ground improvement will be confirmed during the detailed design process, however at this stage it is envisaged that shear keys may replace very short stone columns in the north-east quadrant of Cattle Market Ch. 2800-3065 and also between Ch.3900-4500 where numerous buries services are likely to prevent to application of vibro stone columns.

It is understood that the use of light weight 'Leca' fill may require a departure from standard, however this is a well-established method to reduce settlement to National Highway assets and will be considered during detailed design if it can 'provide value'. At this stage 'Leca' fill is not a preferred solution in any AIP.

Detailed design will also consider the risk to the existing carriageway from adjacent new embankment loading and a contingency may be the use of a small volume of lightweight fill, however at this stage the risk is considered to be low and 'Leca' fill not required.

Treating soil with stone columns involves a combination of the following actions, of which one or more may be intended:

i) Improving bearing capacity
ii) Reducing settlements/differential settlements
iii) Improving uniformity of geotechnical characteristics
iv) Increasing the consolidation rate by creating drainage elements
v) Increasing equivalent ground mass characteristics (horizontal shear strength, angle of internal friction and deformation parameters).

Stone columns must not be used in the following circumstances

i) In soils with loss on ignition > 5% e.g. peat
ii) In highly compressible soils of thickness > 0.5 to 1m with Cu < 15 or 20kPa or qc <300kPa
iii) Adjacent to sensitive buried services
iv) where new pathways to groundwater flow may generate an uplift, flood or contamination risk

Beneath concrete foundations a minimum 400mm granular load transfer platform is required, but beneath new road pavements the embankment fill will provide the required load transfer.

Rigid Inclusions are proposed where greater settlement reduction is required than can be provided by stone columns, for example beneath Tensar block reinforced soil walls at 'Cattle Market'. Rigid Inclusions are preferred over vibro concrete columns due to the higher torque and pull-down force of the rig which can penetrate through existing fill and to generate sockets into the weathered mudstone to carry higher loads, inclusive of any negative skin friction. A detailed explanation of the main area of proposed vibro stone columns and rigid inclusions is provided in Section 7.12 'Cattle Market Earthworks' with an outline concept design plan.

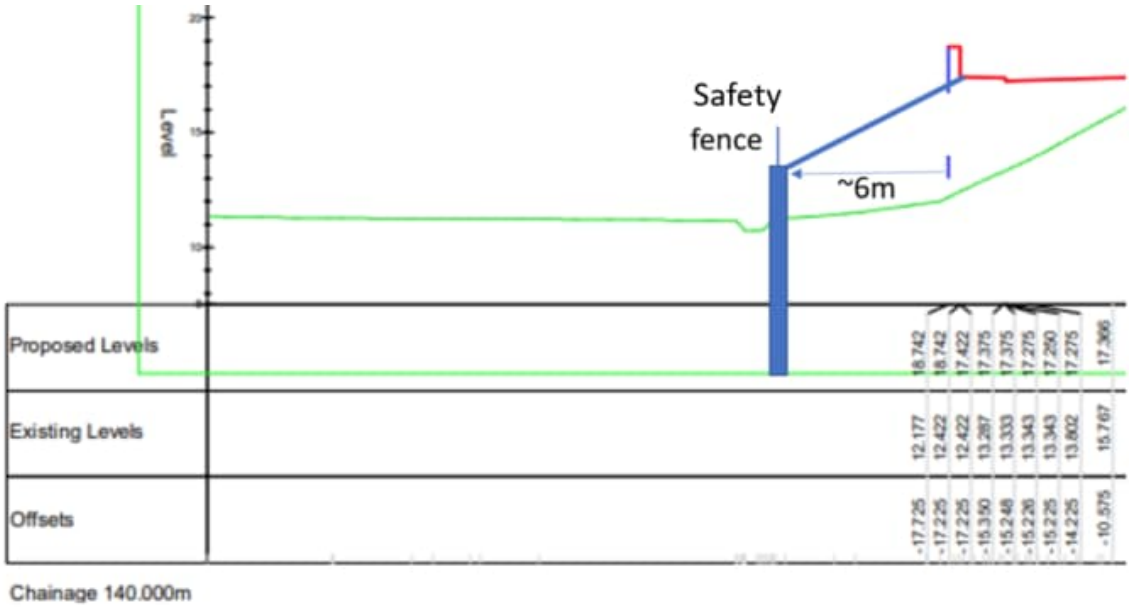
At other locations where the alluvium may cause instability problems at the toe of the new embankment or serviceability problems associated with settlement of the new

pavement, vibro stone columns are proposed as a low-cost, low spoil' solution. An embankment summary is provided at the end of Section 7 where all proposed locations of vibro stone columns are presented.

7.5 Embankment Ch.0000-0245

Between Farndon Roundabout and the Windmill Viaduct, widening of the north bound embankment is required. Fill height is approximately 5m at the tie into the roundabout and rises to 7m height at the abutment to the Windmill Viaduct, where bridge deck level across the River Trent reaches a maximum elevation of 18.3m. There is an existing underpass at Ch.0040, however minor horizontal alignment adjustments to the new carriageways have designed out the need to lengthen this structure. A retaining wall is proposed between Ch.0060-0150 in order to minimize encroachment into a private garden. On the design fix 3C alignment this will require a maximum 5.2m retained height but the alignment of the wall will be moved laterally to the edge of the existing ditch approximately 6m away in order the reduce the vertical retained height to approximately 2.2m, allowing for a 1V:2H slope above. The most onerous cross section is Ch.140 where the retained height is the greatest and the conceptual design of a sheet piled wall is illustrated below.

Figure 27: Proposed toe sheet pile wall at Ch.140 approximately 6m away from 3C alignment



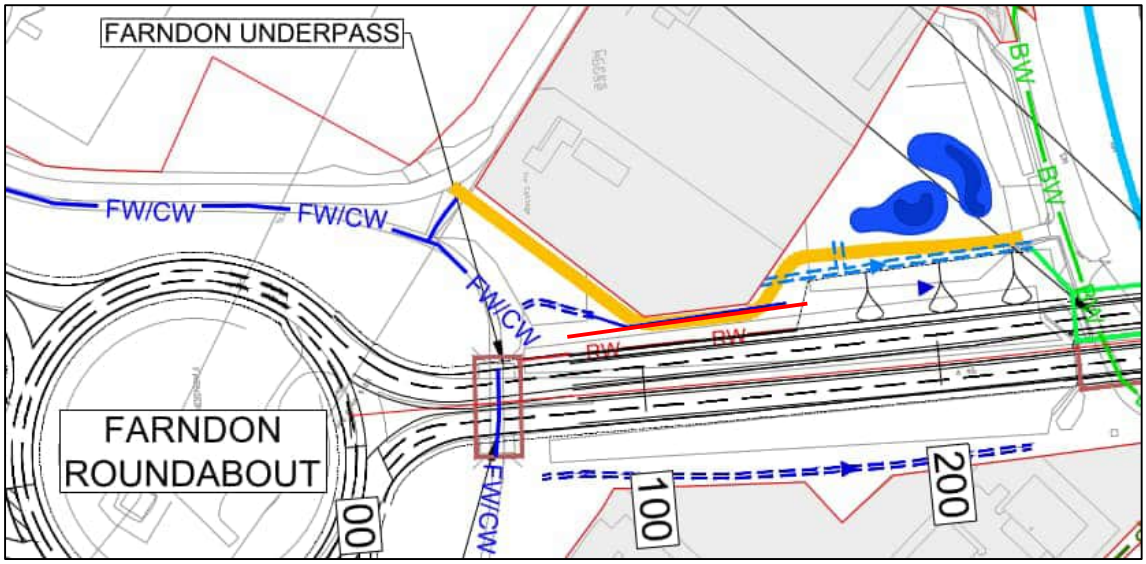
The reason reinforced soil was not favored at this location was due to the interface with the existing Farndon Underpass (B01) and the need to cut into the existing embankment to place the basal layer of geogrid.

A cantilever sheet pile wall is the preferred single option, due to the need to provide scour protection to a flood level of 12.9mOD. The maximum retained height of fill will be less than 2.5m therefore this structure shall be a geotechnical asset and not require an Approval In Principal. The detailed design of this structure shall be in accordance with all relevant standards including EC3-5, EC7-1 and SHW series 1600.

No ground improvement is envisaged to the traditional embankment with 1V:2H slopes between Ch.0150-0245 where granular formation (BH54) or localised firm clay (TP01) is anticipated. However, embankment settlement monitoring will be carried out to confirm settlement is complete adjacent to the new piled bridge abutment at Ch.0245,

before the new pavement is constructed or whether a temporary surcharge is needed to generate any remaining settlement close to rigid structures.

Figure 28: Plan of proposed embankment Ch.000-0245 from drawing HE551478-SKAG-HGN-CONWI_CONW-DR-CH-00101-P01



The new north bound crossing over the River Trent will require a new bridge to the north of the existing with a 2m gap for maintenance. The south abutment is 'set back' north west of the existing abutment to avoid new piles clashing with existing asymmetric raking H piles and also to position the new bridge supports at a similar skew alignment relative to the river as existing, in order to minimise impact on river flows during flood events.

The retaining walls and 6C starter layer to slopes will provide scour protection to wave action during a prolonged flood event.

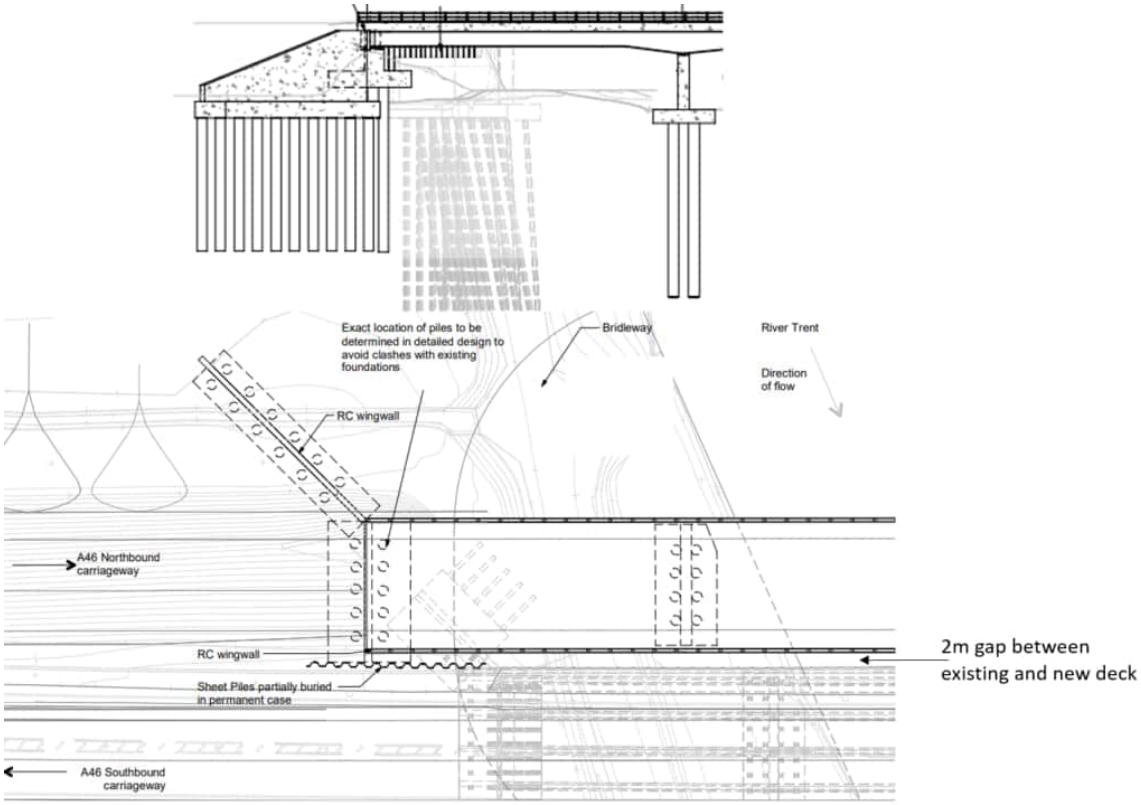
GI data beneath the footprint of this new earth structure comprises S3BH14, 2021 BH01, TP01, BH54, BH24 (2021) and BH204 (1978), as illustrated in Figure A1.

This indicates that minimal compressible soil is expected beneath the pressure bulbs of the new embankment. Total settlement of the new embankment is expected to be approximately 35mm, the majority of which will be built out during construction and less than 10mm being long term consolidation of the deep weathered Mudstone. There are no known defects associated with differential settlement between the existing embankment and the existing piled bridge abutment, and the risk of differential settlement between the new embankment and new piled bridge is considered to be low.

There is no risk of settlement from new embankment loading influencing the existing raking piles of the south abutment as the new abutment is to the west of the existing.

The risk of any new embankment settlement adversely impacting on the live A46 is considered to be low and will be verified in Stage 5 design or Stage 6 monitoring during construction.

Figure 29: Section and Plan of the new and existing south abutments and wingwalls of Windmill Viaduct



The C3 service drawings indicate a low voltage Western Power cable running through the embankment beneath the existing A46 at Ch.0050 which may require a protection measure e.g. protection slab on top with compressible fill to absorb any settlement without directly loading the third-party asset. A detail will be confirmed in Stage 5 and reported in the GDR.

Balancing Ponds are proposed at Ch.0200 to the north of the new highway. The ponds will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H. Details of any required finishes e.g. pond lining or scour protection will be confirmed in the GDR.

7.6 B02N - Windmill Viaduct (new)

GFR [11] Figure 18 shows asymmetric raking H piles to abutments and wing walls and vertical H piles to piers, with a 42m main span and two 24m long end spans as illustrated below.

Figure 30: Existing Windmill Viaduct from upstream side of south abutment

The alignment of the new deck shall provide 2m clearance from the existing bridge deck for future maintenance access. The new abutment is set out to avoid a clash with existing H piles. Sheet piles provide scour protection and additional sheet piles will extend this protection to the new piers. The new deck will be steel, hence compressive load on the new piles is modest and pile section is controlled by the lateral loads and moments.

The recommended option for the Windmill Viaduct bridge foundations is piles for all piers and abutments of rotary bored or continuous flight auger (CFA) method. Outline design calculations indicates 8 piles per each support (pier or abutment) of nominal 900mm diameter and pile lengths approximately 17 to 20m, where adequate compressive ground resistance should be achieved irrespective of whether the piles toe into fresh grade I/II Mudstone or not.

Wing walls and abutment retained soils are expected to be granular fill materials, with typical earthwork embankment slopes of 1(V):2(H) to the south and strengthened earthworks of 70-degree to the north. The wing walls are to be RC piled 'L' walls in order to match the appearance of the existing structure. To rationalise piling equipment, it is likely that these will also be 900mm diameter with a wide longitudinal spacing.

Differential settlement of the new pavement between approach embankments and piled abutments is considered to be low risk as the new NB carriageways will generally be above the existing A46 embankment batter where soft ground was previously removed in proximity to the structure. There is a small area of fill to be placed beyond the footprint of the existing embankment behind the north abutment and vibro stone column ground improvement is proposed as illustrated in Figure 31.

There is a need to provide ground improvement beneath the toe of the new 70-degree strengthened slope to the northeast of the new northern piled wingwall, to mitigate the risk of undrained bearing capacity failure. However, this risk it not connected to the long-term performance of the new structure.

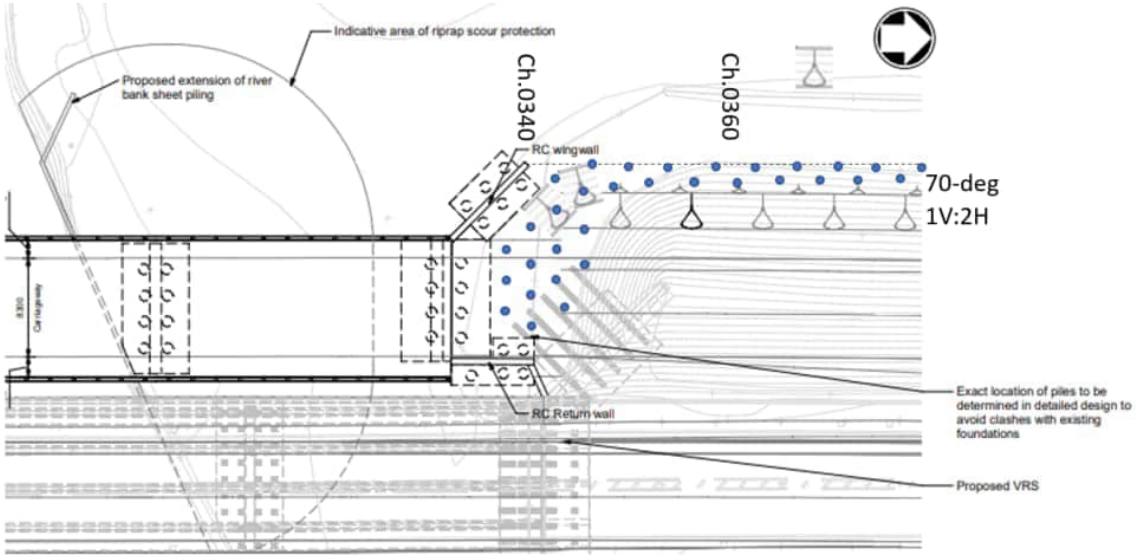
7.7 Embankment Ch.0335-0980

GI data beneath the footprint of this new earth structure comprises S3BH13, 2021 BH02, WS04, TP02, WS06, BH25, TP03, WS09, BH26, BH51, BH27, WS10, TP04, WS12, BH28, as illustrated in Figures A1 and A2.

Between the Windmill Viaduct and the Farm Access Underpass, widening of the north bound embankment is required. Fill height is approximately 7m at the Windmill Viaduct and reduces to a low point of 3m and then rises again to 4.5m at the crossing of the Accommodation Works Underpass where FRL is 15.1mOD.

At Ch.335 the new embankment loading may generate bending stresses in the raking piles to the existing north-eastern wingwall of Windmill Viaduct. However, the new fill will support the existing wingwall and hence these raking piles will become redundant.

Figure 31: Proposed plan layout of NE wingwall to Windmill Viaduct and approach embankment

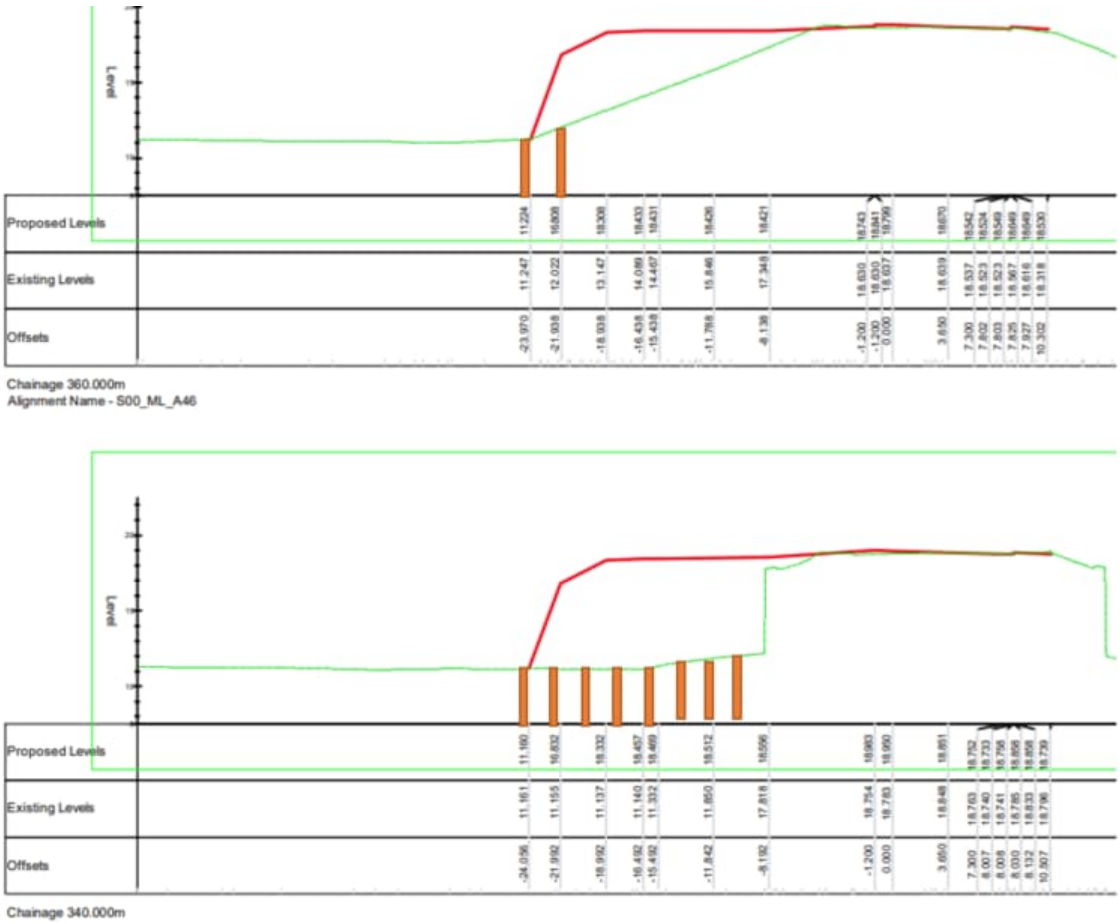


The GFR [11] indicates that the soft clay has been removed under the entire footprint of the existing embankment from Ch.335-475. This is consistent with the Ground Investigation data which indicates soft clay may be present beneath this part of the new embankment. Due to the depth and consistency of the soft clay and the height of the new embankment in the area beyond the footprint of the existing slope, Vibro Stone Column ground improvement (layout indicated by blue dots in the above Figure) is proposed to improve ground bearing resistance and speed up consolidation due to embankment loading to mitigate the differential settlement risk between new abutment and embankment.

Granular shear keys are not favoured due to the volume of excavated U1A material that would be generated and required to be disposed off-site. Staged construction is not favored at this stage, although this mitigation could be reviewed during detailed design when the Mass Haul is developed and impact of hold period at the mid height of the new embankment can be evaluated.

A sections at Ch.340 illustrates the zone of up to 7m of fill being placed behind the new north abutment where the ground has not been pre-loaded by the existing A46 embankment and a section at Ch.360 illustrates the need for stone columns under the toe of the new steep embankment slope where the existing batter (green line) has not provided significant pre-loading to the alluvial clays.

Figure 32: Sections at Ch.340 and 360 illustrating the indicative layout of vibro stone columns



From Ch.0475 to 0980 the cohesive alluvium is not persistent and where present it is thin, and the consistency is typically 'firm', hence surcharge by a basal geosynthetic and starter layer is likely to provide the required margin of safety for ULS undrained checks. The 1991 GFR [11] shows that a 1.5m thick Starter Layer is present between +11.2 and +12.7mOD from Ch.0475 to 0980, but no shear key was provided, and no instability observed. The only precaution to mitigate undrained bearing capacity failure or undrained slope instability was to prevent excavation of toe drain following a hold period after completion of the embankment.

From approximate Ch.565-950 the crest of the new embankment is below 15mOD and therefore the embankment is too low to fit a reinforced soil slope between the top of starter layer (13.12mOD) and the underside of the upper 1V:2H slope 1m below finished crest level (13.8mOD). No ground improvement measures are proposed at this location.

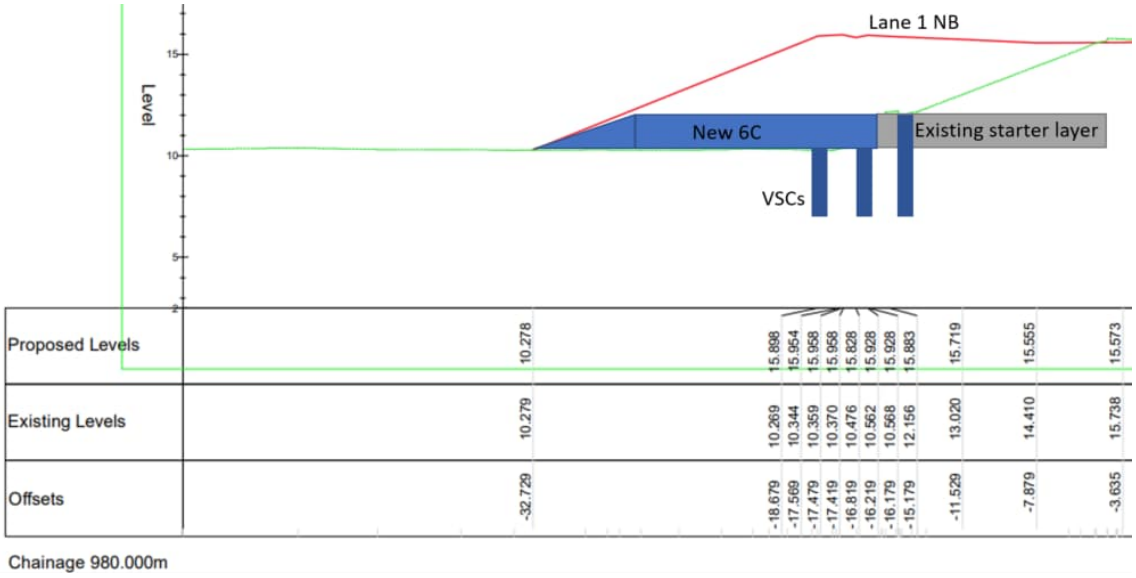
Between the end of ground improvement (Ch.0475) and Ch.0565, and between Ch.950 and 980 the Finished Road Level will be above +15mOD and therefore a steep 70-degree reinforced soil slope is proposed.

The steep 70-degree slopes will be a semi-flexible strengthened earthwork comprising TensarTech GreenSlope. EN 14475 [51] C.3.2.5 confirms that semi-flexible systems with deformable facing units, can deform vertically and accommodate moderate settlement of fill. Table C.8 shows that for a wire grid facing the limiting movement for transverse flexibility is 5% compressibility i.e. 300mm for a 6m high slope, whereas the predicted settlement under these structures is approximately 60mm, and significantly less where stone column ground improvement is provided.

At the interface with the Underpass Ch.0950-0980 the new North-Bound carriageway will extend beyond the footprint of the existing embankment slope and therefore the inside lane may be subject to some differential settlement next to the piled extension to the structure.

Outline settlement calculations for Ch.980 predict approximately 60mm total settlement of which approximately 30mm is long term. Detailed design calculations will conclude if ground improvement is required or whether an observational approach can be implemented, whereby settlement monitoring would verify consolidation is complete before the new highway pavement is constructed. The figure below illustrates the indicative lateral extent of potential stone columns to 7mOD based on WS12 and 13, between Ch.0950-0980 on the approach to the piled Farm Access Underpass Extension (B02N).

Figure 33: Section adjacent to Farm Access Underpass Extension showing zone of ground improvement



Balancing Ponds are proposed between Ch.700 and 850 to the north of the new highway at an elevation above natural topography. The ponds will be approximately 1m deep (from crest of bund) and have a maximum gradient of side slopes of 1V:3H. Details of potential finishes (lining, sour protection) will be confirmed on the GDR.

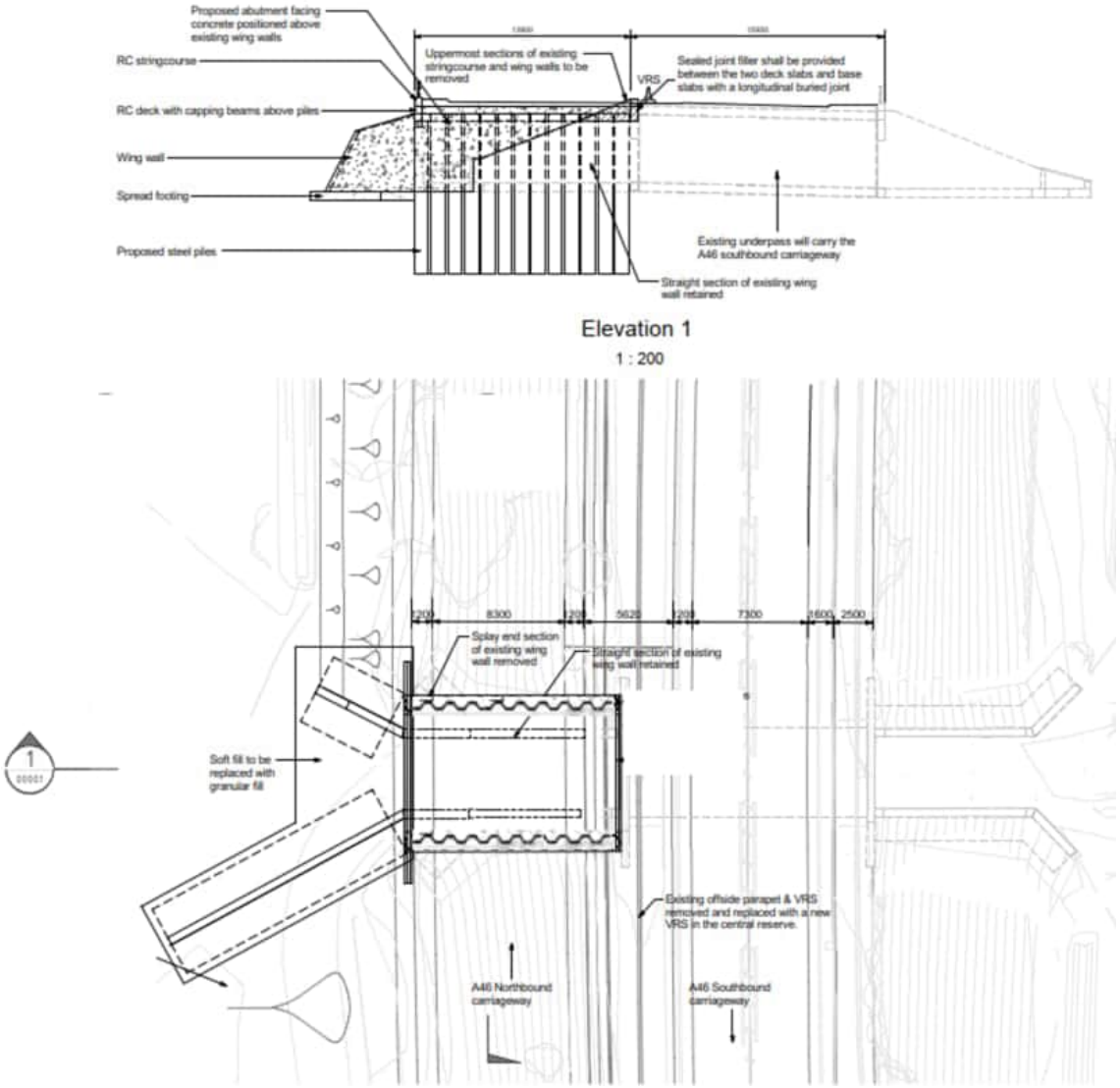
7.8 B03N - Farm Access Underpass

It is envisaged that driven steel piles will be used to support new abutments that span over the existing wing walls. This will avoid the need for a temporary working platform on the existing embankment slope. The preferred solution is to drive 2 pairs of sheet piles near the north end of the existing wing wall and then press remaining piles towards the existing underpass with a nominal 1m clearance between sheet piles and back of existing wing walls. If required, a ‘supercrush’ method can be used to pre-auger in advance of pile pressing. Pile section and length will be confirmed during detailed design.

There is an aspiration from National Highways to stitch the new structure to the existing in order the remove the maintenance liability of a buried joint. However, it may be difficult and expensive to achieve this. If the new deck becomes longer or deeper than the existing, it may not be possible to stitch the two together.

The figure below provides a sketch indicating the conceptual design.

Figure 34: Sketch GA of the proposed Farm Underpass Extension



The risk of new embankment loading adversely affect the existing underpass structure is considered to be low.

WS13, as illustrated in Figure A2, indicates the potential for compressible alluvium to 3m depth, beyond the footprint of the existing embankment slope.

The transition to the adjacent embankments requires consideration of differential settlement for the new North-Bound inside lane where the existing embankment has not provided a surcharge to consolidate shallow alluvium. Ground Improvement local to the structure is anticipated. It is likely that a similar ground improvement design will be required beneath the new wing walls, or alternatively excavation of soft clay and replacement with 6N fill, to manage differential settlement relative to the new piled structure. The indicative location of stone columns are shown in sections at Ch.980 and 1060, either side of the underpass extension.

SES Structures have been consulted about the previous preferred option of driven steel tubular piles but have not yet been consulted on the latest Structures Options Report where the proposed foundations have changed to ‘pressed’ sheet piles. The reasons for the change are to manage to the risk of ground borne vibrations adversely affecting the existing structure and to enable piles to be installed close to the existing

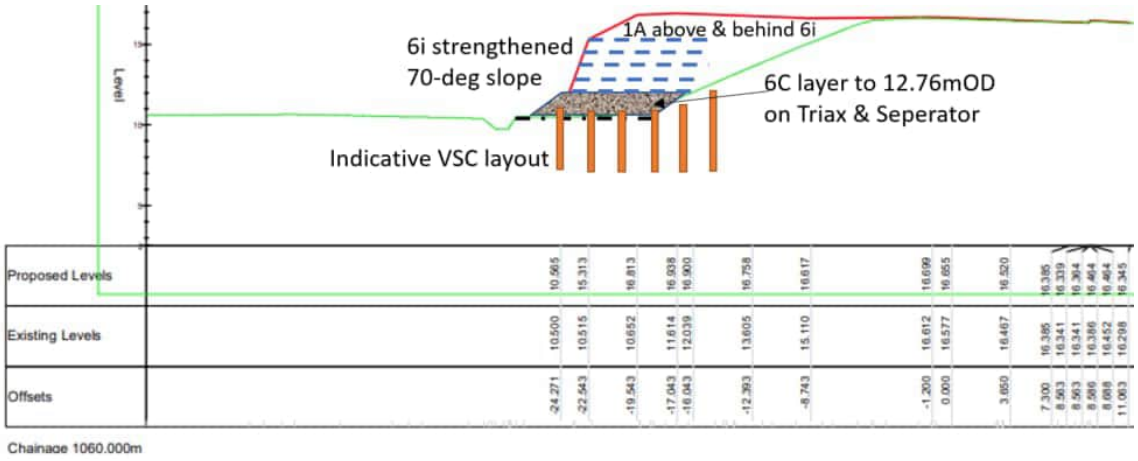
wingwalls in order to keep the span and depth of the new deck similar to the existing. The current proposal includes a movement joint between the existing and new deck which will be waterproofed.

7.9 Embankment Ch.0990-1445

Between the Farm Access Underpass and western Railway Bridge, widening of the north bound embankment is required. Fill height is approximately 6m at the crossing of the Accommodation Works Underpass rising to 9m at the railway bridge abutment at Ch.1445 where FRL's are 15.1 and 19.9mOD respectively. It is proposed that this embankment has steep 70-degree strengthened earthwork slopes, although immediately next to wing walls of the Farm Underpass Extension and Notts-Linc Railway Bridge West it may be necessary to have 1V:2H slope if the geogrid required for the construction of strengthened slopes conflicts with existing or new wing walls.

At typical section showing the prosed geometry at Ch.1060 is illustrated below.

Figure 35: Typical Section of Proposed Earthworks (Ch.1060). Green is existing A46. Red is proposed.



GI data beneath the footprint of this new earth structure comprises 2021 BH29, 30, WS15, WS17, as illustrated on Figures A2 and A3.

The GFR [11] Figure 7 shows that the soft alluvial clay was replaced will granular fill under the full footprint of the existing embankment from Ch.1357 to 1445 and that a shear key was constructed under the toe of the embankment for 100m either side of the Farm Access Underpass at Ch.0980-0990.

It is proposed that ground improvement, e.g. vibro stone columns are used to smooth transitions of embankment to piled structures and minimise differential settlements, and to provide improvement beneath the new toe of batter where it extends beyond the footprint of the existing embankment slope. The extent of ground improvement may therefore be Ch.0990-1350 and Ch. 1400-1445. Alternative ground improvement solution, such as temporary surcharge and basal geosynthetic as illustrated in Figure 35, together with earthwork settlement monitoring will be considered during detailed design and may enable the majority of the stone columns to be designed out, if the construction program allows.

Between Ch.1350 and 1400 the new works will be constructed on the footprint of the existing embankment. Temporary works assessment will be required to cut into the existing slope to place new geogrids, for steep strengthened slopes. A basal geogrid beneath the adjacent haul road may provide the required short term support to the new embankment slope until porewater pressures dissipate, and this will be confirmed in detailed design.

Balancing Ponds are proposed between Ch.0990 and 1100 to the north and south of the new highway at an elevation above natural topography. The ponds will be approximately 1m deep (from crest of bund) and have a maximum gradient of side slopes of 1V:3H. Details of any potential linings or scour protection will be provided in the GDR.

7.10 B04N – Notts-Lincoln Railway Line West Ch.1445-1530

GFR [11], 8.11 and Figure 16 shows vertical H piles to piers of the existing bridge and shallow foundations to abutments and wingwalls were founded on gravel as illustrated below.

Figure 36: Image of existing Bridge B3 with proposed line of new Bridge B04N in orange

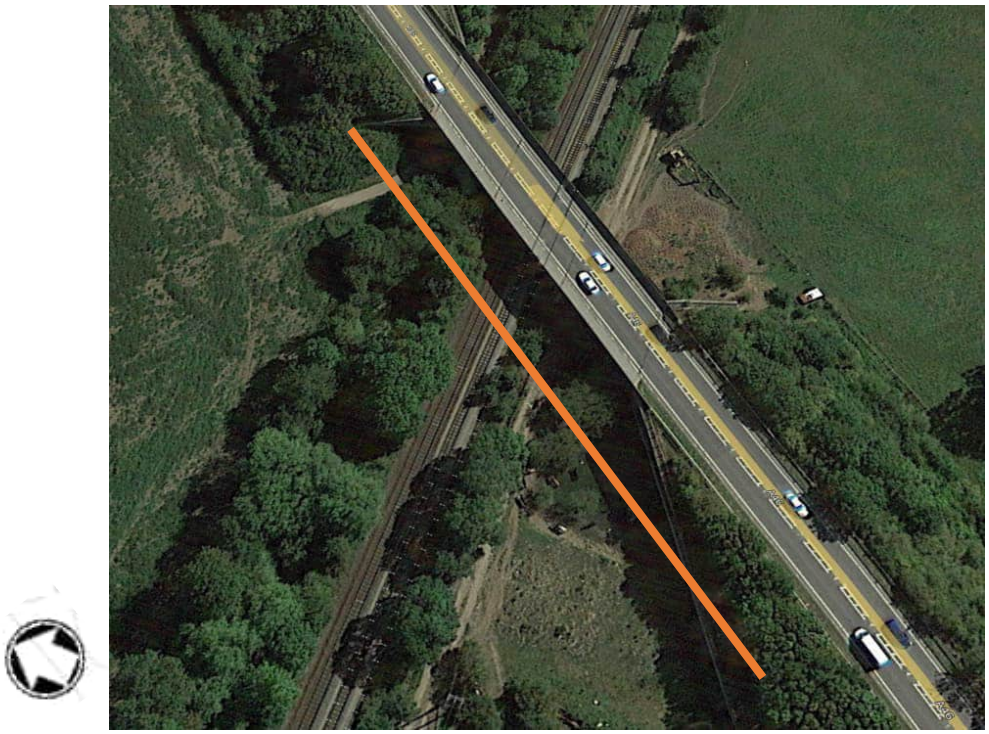
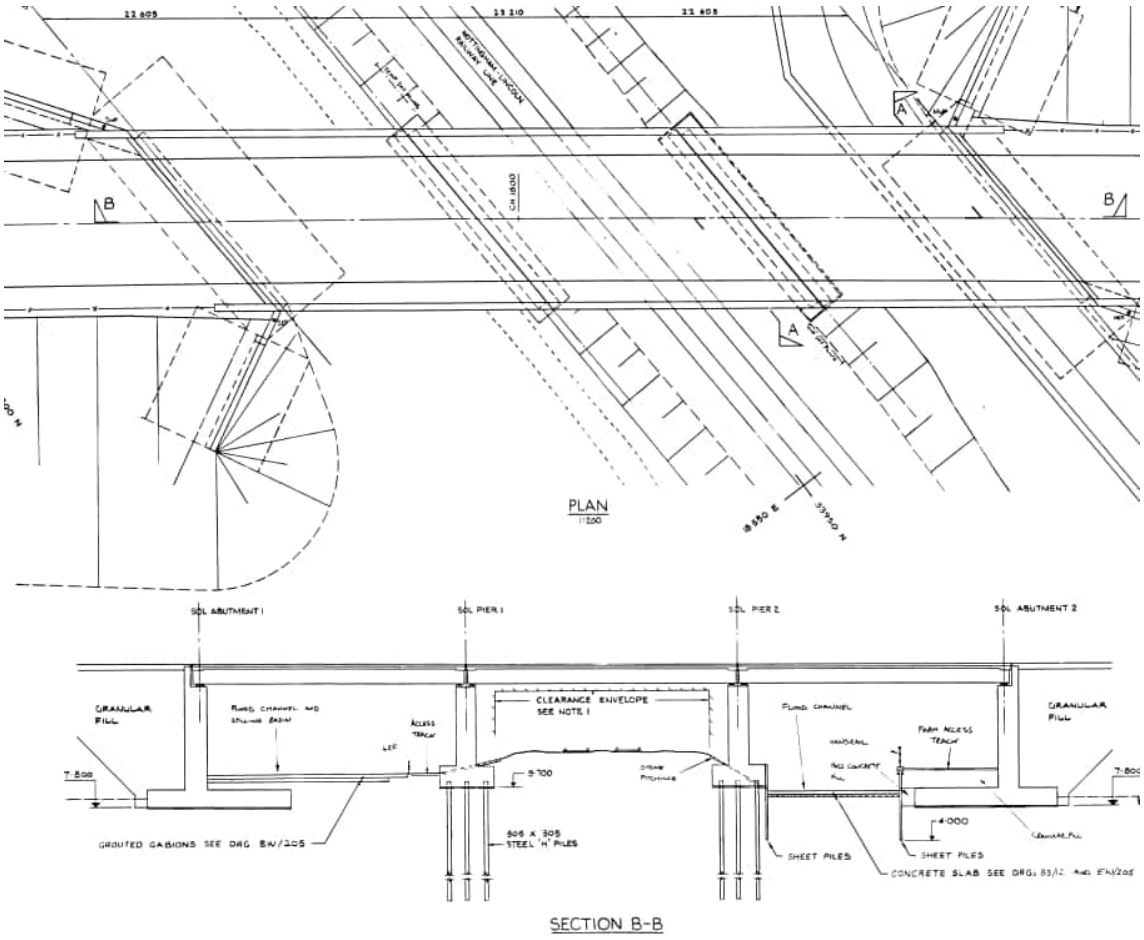


Figure 37: Extract from as-built GA drawing 3451/B3/01/A of bridge B3

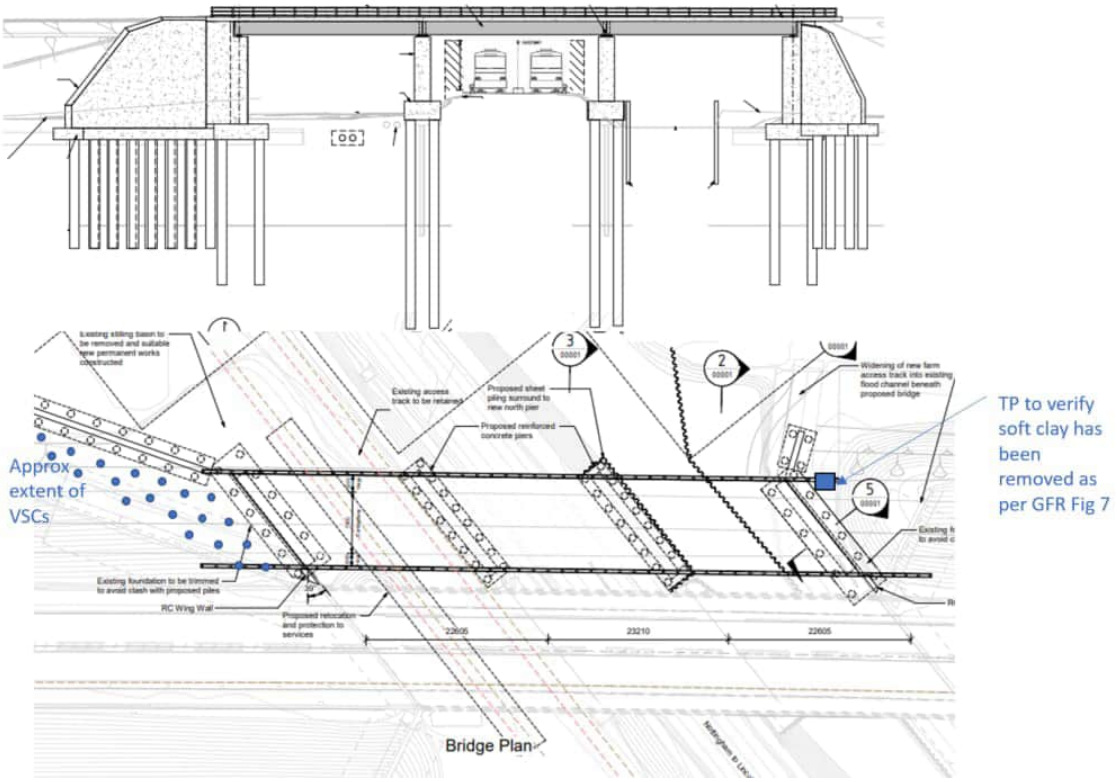


Scour protection by means of sheet piles to the piers and north abutment, grouted gabions between the south abutment and pier and a concrete lined flood channel between the north abutment and pier to protect the structure from high velocity flows through all spans during flood events, as illustrated in the extract from as-built drawing above.

The proposed arrangement of the new bridge is shown below and illustrates the following features:

- Relocation and protection of 11kV electric and telecoms cables between southern abutment and pier
- Removal of existing stilling basin and suitable new scour protection across the southern bridge spans, TBC in Stage 5
- New sheet piles to provide scour protection to north pier and abutment

Figure 38: Extracts of Structures 'Notts-Linc West GA', P02, 02.05.23



The alignment of the new deck shall provide 2m clearance from the existing bridge deck for future maintenance access. The new bridge will require piled foundations to all supports as it is not practical to excavate to the level of natural gravels for the new abutments without significant temporary works to stabilise the existing wing walls. The new deck will be concrete to match the appearance of the existing bridge. Due to the integral nature and geometry of the bridge, the abutment piles will be subject to high bending moments but low compression forces.

The recommended option for the Notts – Lincs West Rail Bridge piers are 880/780 rotary bored piles due to the need to use short sections of segmental casing in proximity to the railway and to avoid the risk CFA piles penetrating slowly through hard bands and smearing the shaft above. The bridge has a concrete deck, therefore compression loading on piers is higher than similar span steel deck structures, therefore pile length based on initial loads and a layout of 14Nr piles per pier is approximately 22m.

The initial loads indicate large moments on abutment piles, but low compression therefore pile sizes, based on 12Nr piles per abutment, are expected to be nominal 1050mm diameter and approximately 14m in length. Either CFA or rotary bored methods may be suitable.

Loads have not yet been generated for wingwall piles. It is likely that the new wingwalls will be piled to mitigate the risk of differential settlement relative to the abutments. Wing walls and abutment retained soils are expected to be granular fill materials, with typical earthwork embankment slopes of 1(V):2(H) above wing walls and transitions to strengthened earthworks of 70-degree away from the bridge.

Differential settlement of the new pavement between approach embankments and piled abutments is considered to be low risk and vibro stone column ground improvement will be used where the new northbound carriageway extends beyond the footprint of

the existing embankment, which is the case behind the south abutment but not the north.

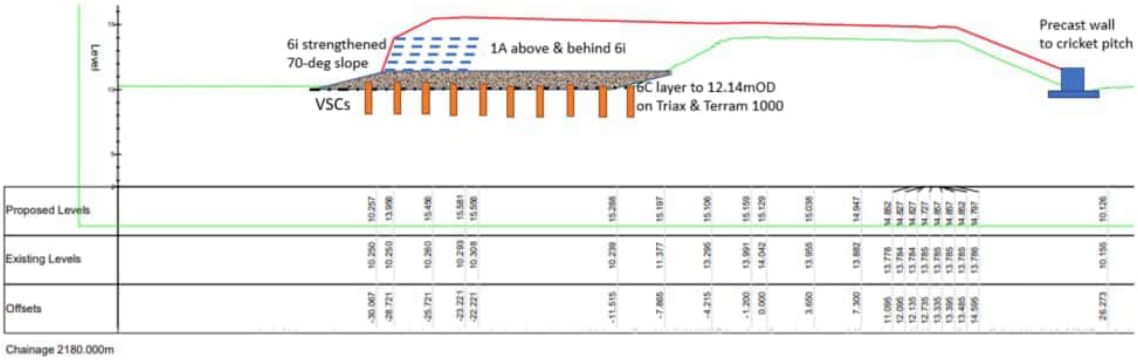
7.11 Embankment Ch.1530-2300

The current GA drawing shows a new retaining wall to the new southbound on slip carriageway between Ch.2140 and 2300 with a retained height up to 2.5m. The actual length of retaining wall required is only 50m in plan from Ch.2140-2190 with a retained height less than 1.5m and is required to prevent land take into the cricket ground. To the east of the Old Kelham Road, the land boundary is being investigated to confirm if there is sufficient space to construct 1V:2.5H slopes to the new SB on-slip and if necessary, a change to 1V:2H slope or local strengthened steep slope will be provided with geogrid reinforcement.

At the location of the new gravity wall, the maximum new embankment loading will be 30kPa and therefore settlement and bearing capacity checks are expected to confirm that a concrete gravity wall is a suitable solution. Due to the small extent of the wall a simple construction method is favored, such as a pre-cast 'Redi-Rock' or 'Legato' interlocking block wall.

A typical section is provided below to illustrate the proposed new earthworks.

Figure 39: Typical Section of Proposed Earthworks (Ch.2180). Green is existing A46. Red is proposed.



At Ch.2200 the Old Kelham Road was severed by the 1992 A46 Newark Bypass. To the east of the 'Old Kelham Road' there are 2Nr Severn Trent water mains and a Cadent medium pressure gas main. A buried Severn Trent water main crosses beneath the embankment at Ch.2250.

Open Reach cables are known to be located beneath the underpass at Ch.2200 and along the toe of the existing EB batter between Ch.2200 and 2300.

A Virgin Media cable runs along the toe of the new WB slip lane Ch.2100-2300.

Protection measures will be required to address ground borne vibrations during ground improvement and any generated ground movement. These could be in the form of isolation trenches for services that are shallow.

Protection slabs or other measures may be required to protect these buried services from settlement caused by new embankment loading. It is considered prudent to extend the southern service protection slab over the full length of the new block wall to mitigate the risk of flooding causing softening of formation and differential movement of the new wall.

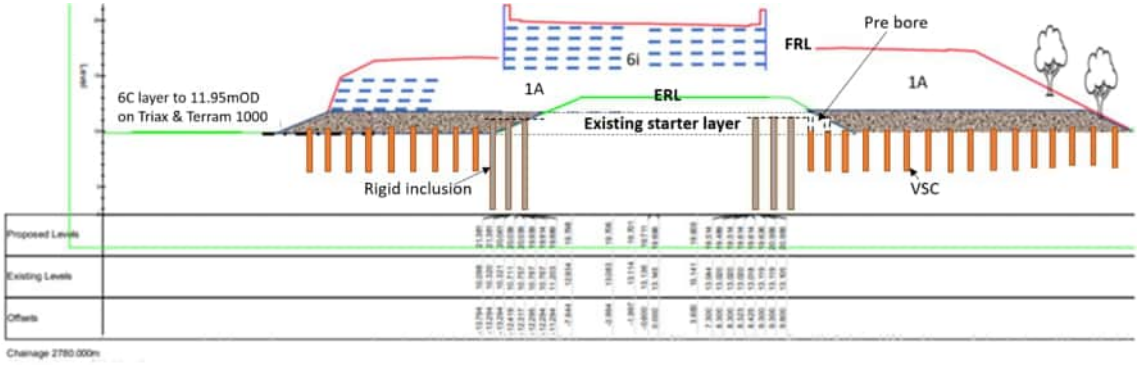
At the location of the proposed block wall Ch.2140-2190, there is an existing toe of batter drainage ditch. The detailed design will provide a solution for the new wall which does not adversely impact the current drainage system.

Balancing Ponds are proposed between Ch.1750 and 2000 to the north of the new highway at an elevation above natural topography. The ponds will be approximately 1m deep (from crest of bund) and have a maximum gradient of side slopes of 1V:3H.

7.12 Cattle market earthworks Ch.2300-2900

The area of the Cattle market junction requires significant fill volumes both in terms of new height above the existing road and of new width, including slip lanes, which will load the flood plain well beyond the extent of the existing embankment. A typical section at Ch.2780 is shown below.

Figure 40: Section at Ch.2780 showing starter layers and reinforced earth. (Trees are to the south)



GI data beneath the footprint of this new earth structures comprise 2022 S3BH11, S3CPT19-39, 2021 BH06, 35, 36, 37, 38, 53, 57, 58, 59 and 60, WS26, 28, 31, TP10, 11, 13, 15, 16 and 20, 1978 BH221, 222 and 223 as illustrated on Figures A4 and A5.

Steep strengthened earthwork slopes are proposed for the northern slip lanes to minimise fill volume in the flood plain, whereas 1V:2.5H slopes are required to the southern slip lanes in order to facilitate planting for visual screening.

Initial calculations indicate that settlement up to 200mm would occur beneath the new embankment if no ground improvement was carried out. This would be too large for the foundation to reinforced soil walls to the mainline. In addition, the diversionary route (permanent southern slip lanes), does not have the option for a settlement hold period without the bridge construction to the new main line causing the overall construction program to be extended.

There would also be a risk of instability if the new embankments were built quickly due to the generation of excess porewater pressure that would exceed the strength of the soft alluvial clay, resulting in ‘undrained’ bearing capacity failure.

The conceptual design has evolved to provide reinforced soil wall embankments across the existing roundabout with short integral portal bridge structures carrying the new main line above the new low-level roundabout.

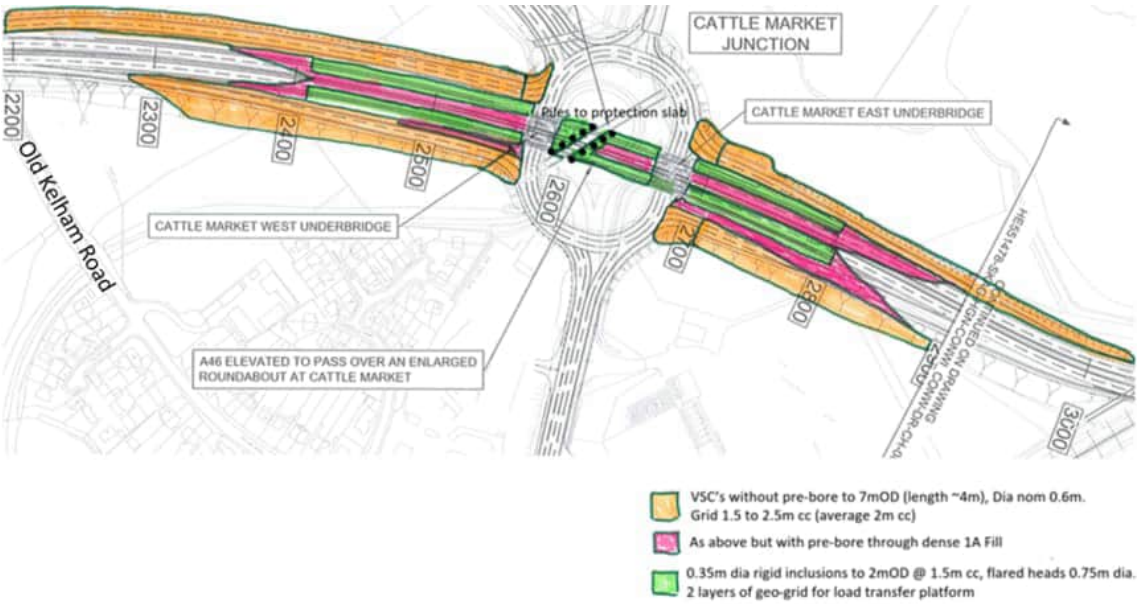
Following advice from a specialist ground improvement contractor, the preferred option is to use vibro stone columns to improve the ground beneath the new embankments and rigid inclusions with load transfer platform beneath the reinforced soil block (Tensar TW3) walls where BS 8006-1 Table 17 indicate the maximum allowable differential settlement is 1 in 100. The extent of rigid inclusions shown in green shading below, is based on providing support to reinforced soil block walls greater than 1.5m in height. Calculations will be carried out during detailed design to establish what height

of wall can be supported on stone columns and meet the required SLS limit and the extents of different forms of treatment illustrated below may then require some adjustment.

The vibro stone columns will provide a soil improvement factor in the cohesive alluvium of typically 2 to 3 depending on the column spacing, which provides an increase in margin of safety with respect to ULS calculations and reduces total settlement. They also provide new drainage paths which accelerate the consolidation settlement of the alluvial clays so that long hold periods will not be required between completion of earthworks and start of pavement construction to mitigate differential settlement adjacent to piled bridges.

The main challenge to this method is the penetration of the existing dense granular embankment in order to treat the soft alluvium beneath. This would require pre-boring ahead of vibro works with a CFA piling rig or similar plant. The approximate extent of stone columns, pre boring and rigid inclusions is illustrated in the figure below. Detailed design calculations will be carried out to smooth the predicted settlement profile by adjusting the spacing of stone columns from approximately 1.5 to 2.5m cc.

Figure 41: Sketch illustrating extent of ground improvement at Cattle Market Junction



Stone columns will be concentrated under the slip lanes where the flood plain has not been subjected to surcharge consolidation from the existing A46 embankment and close to the new structure/s where embankment height is greatest.

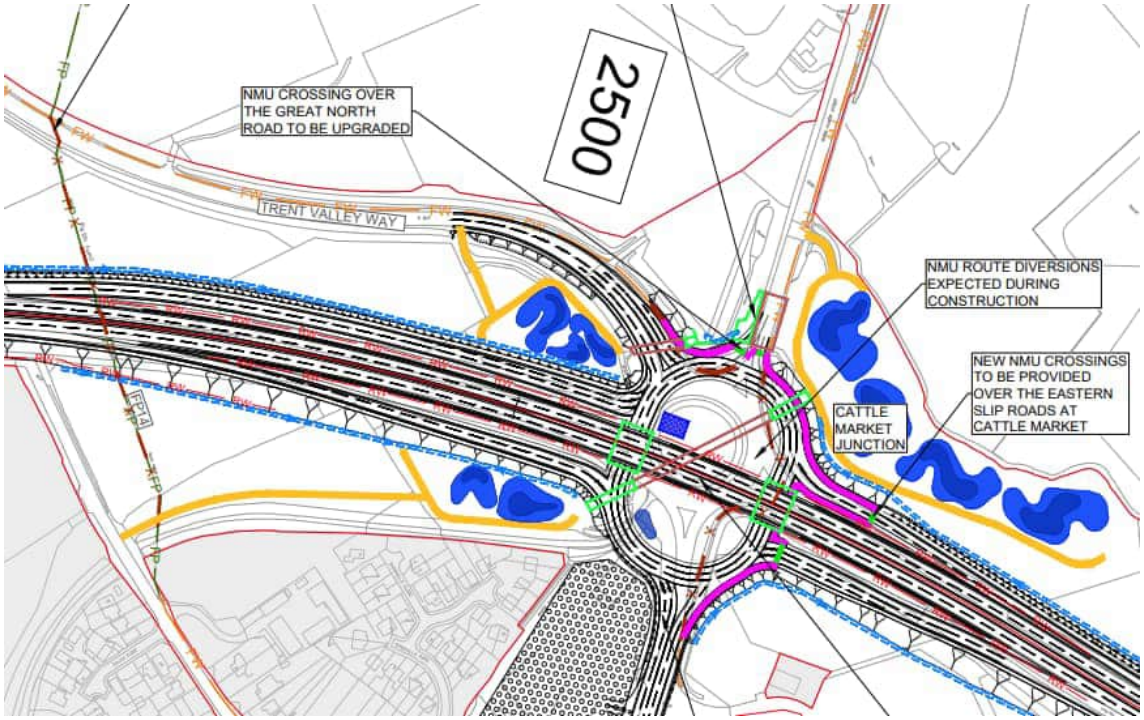
Balancing Ponds are proposed between Ch.24500 and 2900 to the northwest, northeast and southwest of Cattle market junction at an elevation above natural topography. The ponds will be approximately 1m deep (from crest of bund) and have a maximum gradient of side slopes of 1V:3H.

7.13 B05N & B06N - Cattle Market Junction Bridges

For the proposed 18m span steel deck integral bridges B05N and B06N it is expected that foundations will comprise 900mm diameter CFA piles. Details of the proposed walls and bridges are shown in plan in Figure A5 together with the relevant ground investigation data.

The current pile layout is two rows of 10 piles, for a total of 20 piles for each abutment, however this may be optimised during detailed design. For the current pile layout, the length of the piles is expected to be approximately 15m in depth to achieve a 1 to 2m socket into Mercia Mudstone. A Plan illustrating the location of the proposed Cattle Markets bridges and extensions to existing culvert is shown below.

Figure 42: Plan of proposed Cattle market structures (green) and reinforced soil walls to main line (red)



Between the two new bridges Tensar TW3 Reinforced Soil Walls are proposed, with near vertical 85^0 faces. Bored piles either side of the culvert supporting a protection slab above are proposed in order to prevent a wide area of new 10m high embankment loading generating settlement within the sands and gravels underneath the existing flood relief culvert that runs beneath the roundabout as shown in the figure below and protect the culvert from differential settlement beneath the face of the new walls.

Figure 43: Sketch section illustrating the proposed culvert protection slab at Cattle market

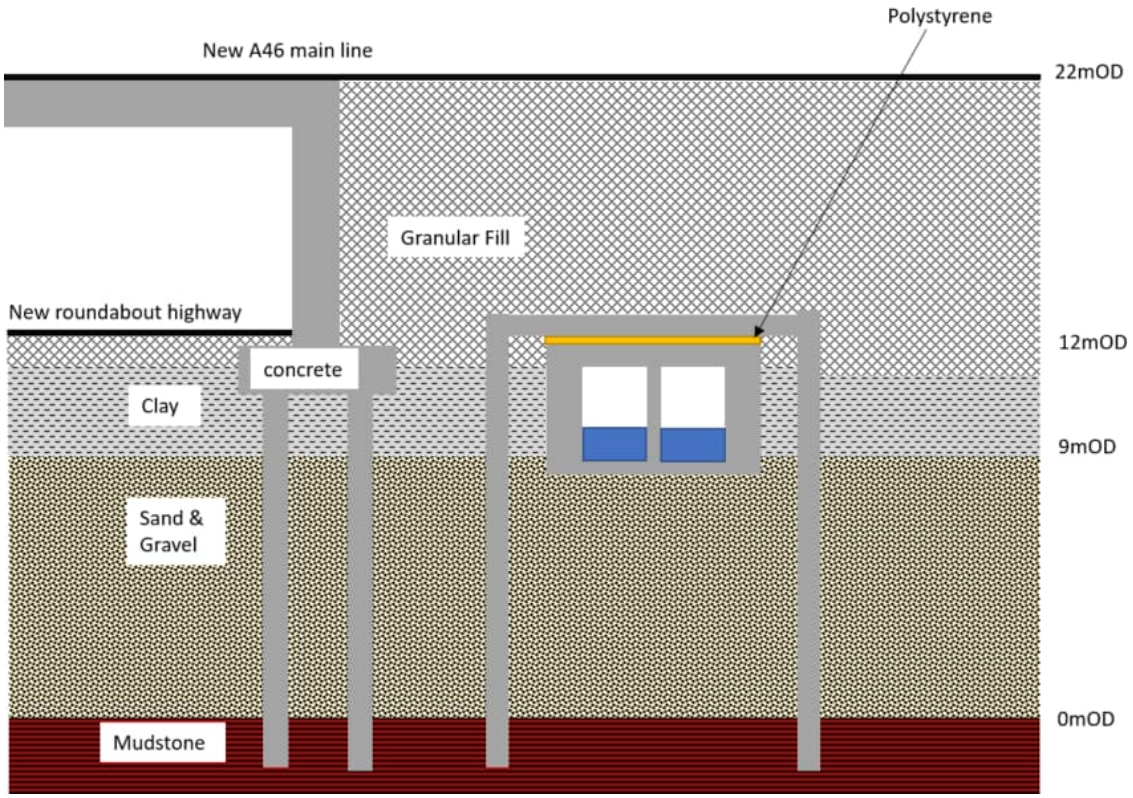


Figure 44: Existing culvert beneath Cattle market Roundabout (looking at the north outlet)

A risk at this location is differential settlement between the new structures B05N & B06N and adjacent embankments. The consolidation settlement of the alluvium will be addressed by extensive ground improvement. It is expected that settlement will be largely 'built out' during the filling operations due to stone columns providing accelerated drainage paths and reduction of consolidation time, and monitoring will be carried out to confirm that a fully flexible pavement can be constructed adjacent to the bridges and a minimal hold-period between earthworks and pavement operations is expected to be acceptable.

At this location BH06 and S3BH11 indicate approximately 1m thickness of completely weathered stiff mudstone above engineering rockhead and therefore deep consolidation settlement is expected to be minimal.

7.14 Embankment Ch.2900-3065

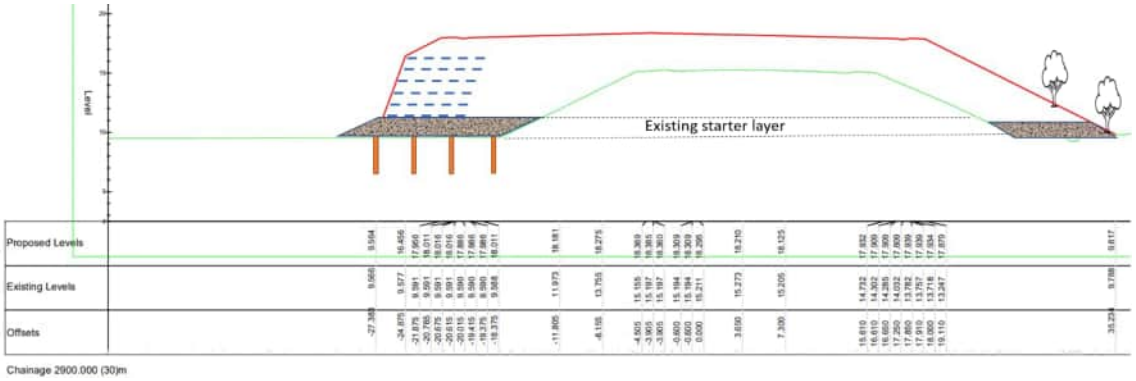
Between the east end of the Cattle Market Slip Lanes and the Nott-Linc Rail Bridge East the new embankment loading will only be significant to the north of the existing embankment. The new earthworks will comprise steep strengthen earthworks slopes up to 8m high, loading the ground beyond the footprint of the existing embankment.

GI data beneath the footprint of this new earth structure comprises 1978 BH110, 223, 224 and 225, 2021 BH07 and 2023 S3BH10, as illustrated in Figures A5 and A6.

Figure 41 shows stone column ground improvement to mitigate the risk of slope failure due to exceedance of undrained bearing capacity; however, the exploratory holes in this area indicate minimal clay (maximum depth 1.2m) and therefore an opportunity may exist for some stone columns to be designed out in due course or replaced by a very shallow granular shear key.

A cross section of the proposed earthworks at Ch.2900 is shown below:

Figure 45: Section at Ch.2900 (green existing levels, red proposed)



7.15 B08N – Notts-Lincoln Railway Line East Ch.3065-3085

The existing bridge will be widened on the north side to accommodate the new north bound carriageways. The north side of the existing bridge is illustrated in the image below.

Figure 46: View of northeast wing wall of Bridge B4.

Note recent tamping and regrade of eastern track beyond toe of batter where deep soft clay is present

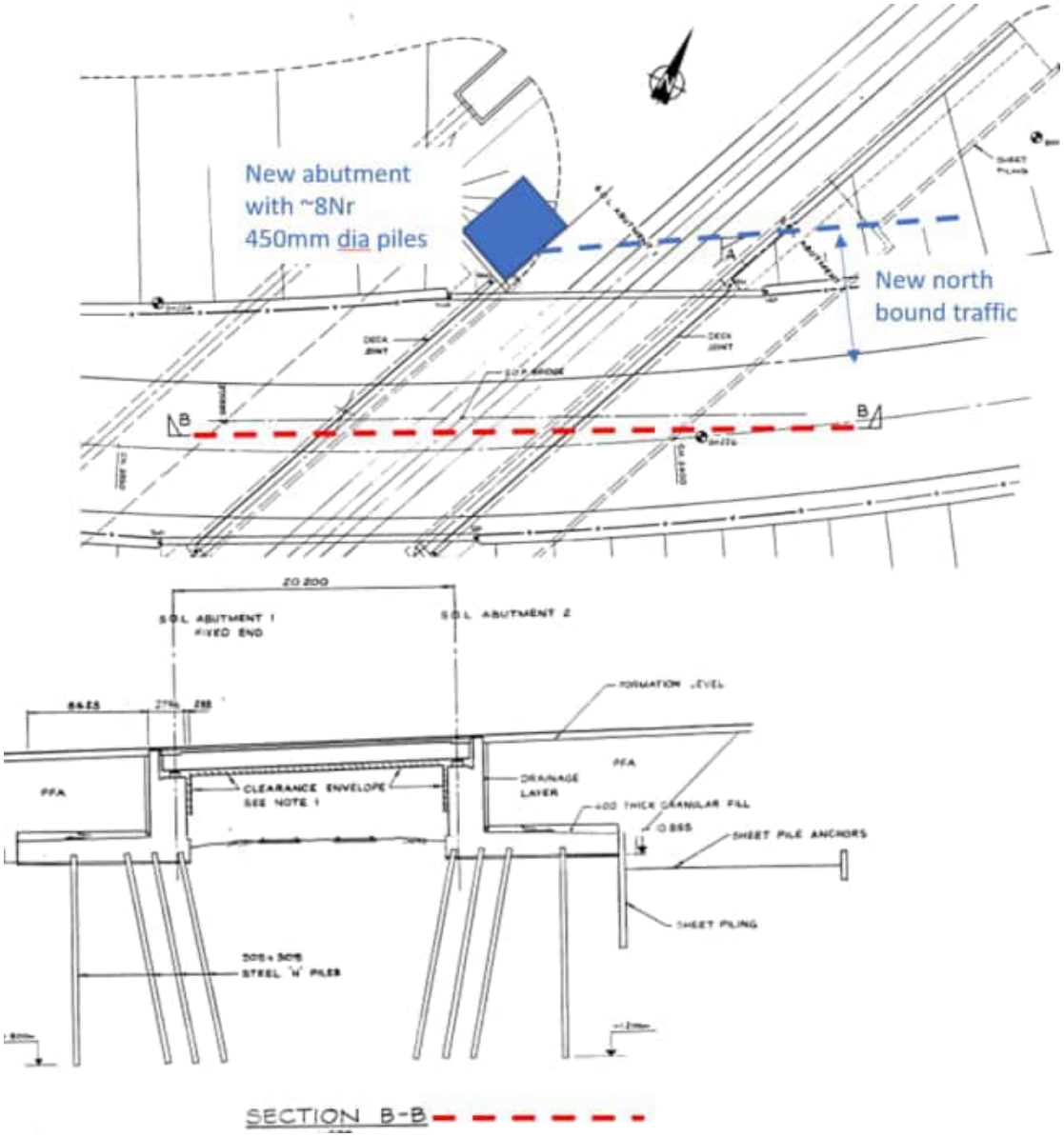
The widening of the northwest abutment will be with mini piled foundations. The new loads have not been generated at this point in time, however it is expected that the foundation system will comprise a small number of 450/508mm diameter rotary bored piles or 450mm diameter CFA piles constructed using a small rig.

The GFR [11] Figures 4, 8 and 16 shows a deep alluvial channel to the east of the tracks and information indicates that up to 5.5m depth of very soft clay was removed and replaced with granular fill, utilising tied sheet piled walls to provide temporary excavation support. As built drawings 3451/B4/01A, 3451/B4/11A provide details and indicate ties extend to deadman anchors approximately 25m behind the abutment and wing walls. The drawings indicate that 4 piles have been load tested, however the load / settlement results of these tests cannot be located.

The new highway alignment can be accommodated on the footprint of the existing bridge abutment without loading the existing north east wingwall which is supported on a lower density of piles.

Extracts from the as-built drawing are shown to illustrate the existing constraints.

Figure 47: Plan and section from drawing 3451/B04/01A showing proposed new works in blue



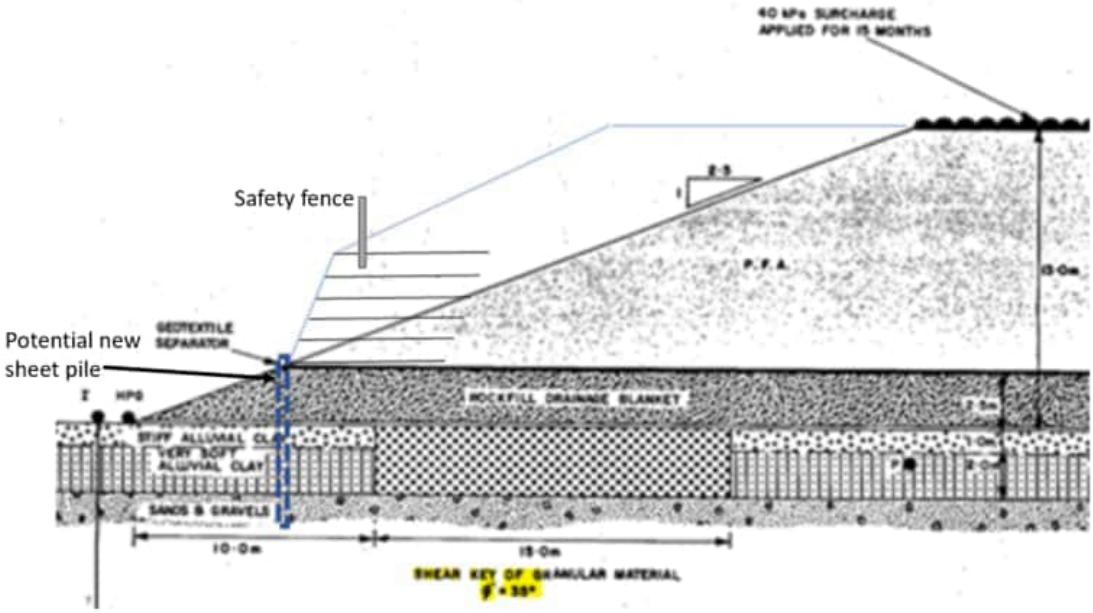
An assessment of the possibility of reusing existing foundations for increased load is required in order to confirm if foundation strengthening to the NE abutment is required. An initial assessment indicates that there is currently some redundancy in the existing foundation design; however, existing and new bridge loads must be generated before this exercise can be completed to verify the load increase is sufficiently small to confirm the feasibility of reusing the existing foundations. The detailed assessment of reusing existing foundations for increased load will be in accordance with Ciria C653 [54] 'Reuse of foundations' 2007.

The existing northeast wing wall will require works to enable an increase in height of backfill, which may be carried out by strengthening the structure or by use of lightweight 'Leca' fill, to avoid increasing the active soil pressure on the wall. The preferred option at this stage is to thicken the wingwall rather than use 'Leca' fill.

7.16 Embankment Ch.3085-3565

Options considered to avoid widening the footprint of the embankment, which in turn would require diversion of a major third-party water pipe, include having a steep reinforced soil slope or a piled retaining wall. The change to alignment fix 3C has caused a potential new retaining wall to become unfeasibly large, therefore a steep strengthened slope is proposed which will be constructed from the top of the starter layer as illustrated in the figure below.

Figure 48: Sketch indicating the proposed geometry of the widened embankment and potential piled wall



GI data beneath the footprint of this new earth structures comprise 2023 S3BH09, S3CPT10-15, 2021 BH08, BH42, 1978 BH111-112 and 227A-229 as illustrated on Figure A6.

The lower steep strengthened slope will be placed above flood level and will have a green low maintenance finish. The temporary stability of the PFA embankment is expected to be favorable when temporary excavations into the existing embankment slope will be required to fit the lower layers of geogrid.

Detailed design will establish the margin of safety regarding bearing capacity and deep slope instability. If the assessment fails, a new sheet piled wall will be required to support the toe of the embankment. The upper part of the slope will have 1V:2H gradient with shrub planting to enhance biodiversity.

The British Sugar intake pipe runs close to the toe of the existing embankment slope and therefore the proposed works intends to avoid new loading impacting on this third-party asset.

Balancing Ponds are proposed between Ch.3600 and 3700 to the southeast of the new highway at an elevation above natural topography. The ponds will be approximately 1m deep (from crest of bund) and have a maximum gradient of side slopes of 1V:3H.

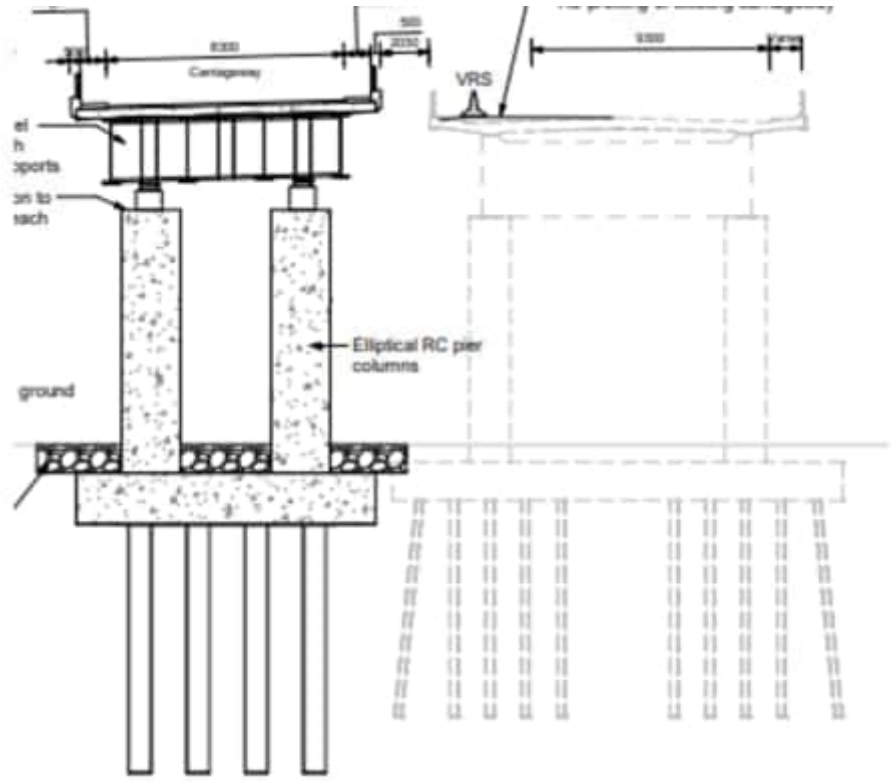
7.17 B09N – Nether Lock Viaduct Northbound Ch.3565-3935

Conceptual designs for the Nether Lock Viaduct foundations indicate groups of approximately 10Nr nominal 900mm diameter CFA or rotary bored piles to each pier and abutment following historical solutions to comparable structures. No pile design has been undertaken at this stage.

As built drawing 3451/B5S/11-C confirm that the existing south abutment piles only rake parallel to the deck and therefore will not be influenced by pile instillation or embankment loading from the new structure which will be provided to the north with a 2m clear distance between new and old bridge decks. The existing piers have piles which rake both parallel and perpendicular to the deck, however the transverse rake is only 10V:1H, therefore the toe of the existing H piles projects less than 1m horizontally from the top of the pile i.e. approximately 200mm beyond the footprint of the existing pile cap. For a low vibration cast in-situ pile method the instillation of new piles is not expected to have any adverse effect on the existing as a minimum 3D (2.7m) clear distance can be provided between new and existing piles at the closest point.

A 65m span steel deck bridge is proposed to continue the Nether Lock Viaduct over the East Coast Main Line and chord to the Nott-Linc railway. As built drawings 3451/B5S/12A and 3451/B5S/13/A show that the western (junction) abutment and the eastern abutment have vertical H piles. The existing north abutment wing wall has raking piles that protrude under the new embankment widening, but these will become redundant as the new fill will support the existing wall. This is illustrated by the section at Ch.3900.

Figure 49: Development of drawing HE551478-SKAG-SBR-SECT2-B09N-CB-00001-P02 Section 3 showing 8Nr new piles per pier to provide 3D pile spacing (and minimal interaction) to the existing piles



A drawing (HE551478-SKAG-SBR-SECT2-B09N-CB-00001-P02) is provided in Appendix G to show the plan and section details of the new structure and existing. Elevation 3 shows the clearance from the existing 10:1 biaxial raking piles to -0.6mOD,

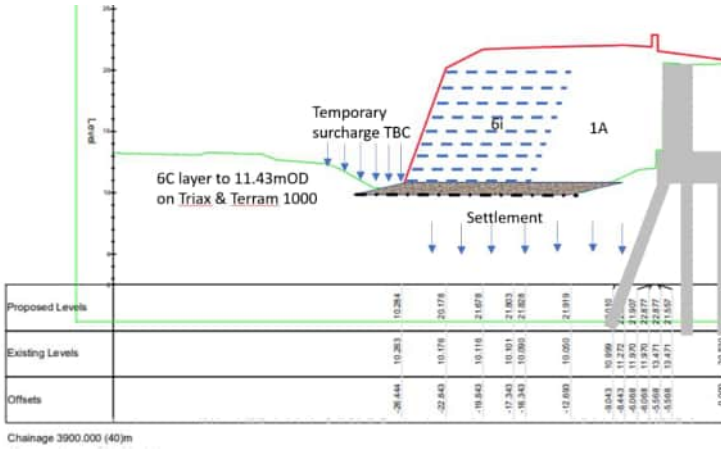
to Pier 2 based on as-built drawing 3451/B5S/11C. A detail of the north side of the exiting Pier 2 is shown in Figure 49. Currently the appended drawing show only 1.5 x D (base on 10Nr 0.9m diameter bored piles), so adjustment will be required at detailed design stage on the new pile layout where the new piles do not extend beyond the lateral extents of the new piers in order to provide 3D clear spacing. It is likely that 8Nr 0.9m dia piles or 10Nr 0.75m dia piles per pier will provide an adequate solution.

Mono piles of circa 2m diameter under each pier have been considered due to a potential cost saving by deleting the need for pile caps, but this is not the proposed solution as the bulbs of pressure in soil from skin friction would interact with the existing biaxial raking H piles.

7.18 Embankment Ch.3900-4110

It is proposed that the new steep embankment is widened by means of a steep strengthened 70-degree slope founded on the existing granular starter layer near the toe of the existing slope, as illustrated below. As the new strengthened slope is built upwards the Class 1A general fill will also be built up concurrently and compacted against the existing concrete wall shown in Figure 50 below.

Figure 50: Section & Image at Ch.3900 (red = finished levels)



Temporary stability of the PFA embankment (up chainage of the existing wall) should be favorable when excavation into the existing embankment slope will be carried out to fit the lower layers of geogrid.

Ground conditions are generally favorable for formation to a new high embankment, with a dominance of granular Made Ground and Alluvium, however settlement and porewater pressure monitoring will be required to confirm the new embankment remains stable during short term (undrained) conditions and a temporary toe surcharge or hold period may be required, or alternatively a piled toe wall could be provided.

The current alignment shows a short section (Ch.3900-3930) of extensive fill loading adjacent to the existing retaining wall. Existing GI (BH12, SBH08) indicates favorable ground conditions for bearing capacity, however pre-earthworks trial pits through this area are recommended to confirm the nature of any mitigation measures. From Ch.3930 to 4110 the new fill is directly above the existing embankment slope and therefore new loading is reduced and underlying soils have been subject to 32 years of surcharge ground improvement, hence temporary surcharge by the haul road may suffice, subject to confirmation by detailed design calculations.

Key risks in this area are the presence of contaminated ground (2021 WS46 and 2023 S3BH05-07) and the presence of buried services. The excavations into potentially contaminated soils near WS46 comprise a possible protection slab to a Severn Trent Water combined gravity sewer which crosses beneath the new works at Ch.4000. Further details are provided in the Contaminated Land Risk Assessment ref HE551478-SKAG-EGN-CONWI_CONW-RP-LE-00046.

7.19 B11N - Sewage Works Access Underbridge Ch.4110-4125

The as built drawings indicate the existing underpass is founded on spread footings bearing onto the granular alluvium, hence it is expected that the new widened structure will have a similar foundation detail with new spread footings founded on 6N fill placed on the alluvial gravels at approximately +7.1mOD, as indicated on as bult drawings 3451/B6/01A and 3451/B6/21A. Temporary sump pumping may be required to keep the foundation excavations dry and temporary trench support may be required to form the 'dig-and-replace' ground improvement to manage the risk of destabilising the existing wing walls. This proposal will not eliminate short term settlement in the sands and gravels and therefore a buried joint will be required between the existing and new structures.

If National Highways require stitching of the new structure to the old, a mini piled solution will be required to mitigate differential settlement by transfer loading to the grade I/II rock at approximately 0mOD (15m depth). A CAPEX and OPEX costing exercise will be carried out within the structures options report to confirm the form of the new foundations.

An image showing the north side of the existing underpass is shown below.

Figure 51: View of existing Underpass looking southwards

The GA for the preferred Option 1 (with spread footings on 6N fill to the base of the cohesive alluvium ~7.1mOD) is shown in Appendix G. The current proposal includes a movement joint between the existing and new deck which will be waterproofed.

7.20 Brownhill Embankments Ch.4125-4500

It is proposed that the new embankment from Ch.4125 to approximately 4300 is widened within the footprint of the existing by means of a steep strengthened 70-degree slope founded on the existing granular starter layer (11.6mOD) near the toe of

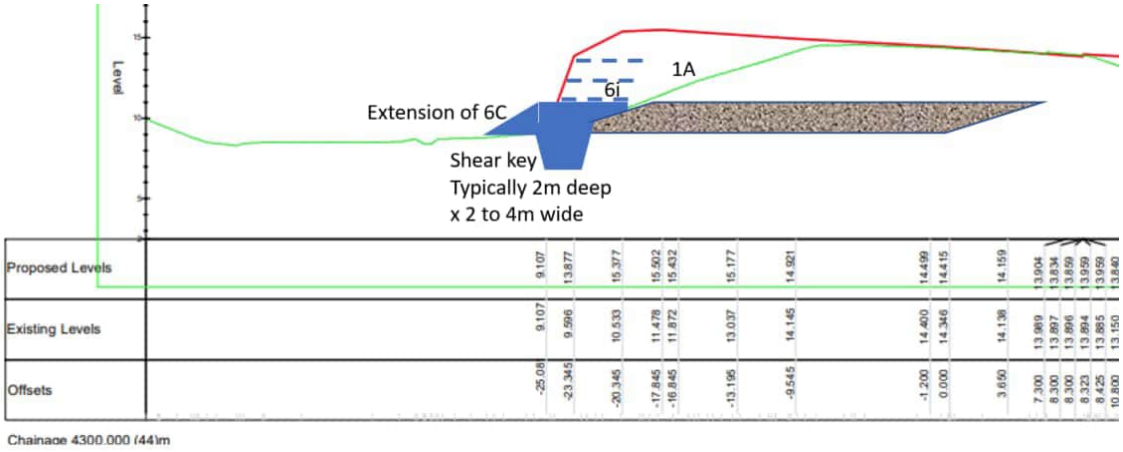
the existing slope. From approximately Ch. 4330 to 4500 the new slopes will be low height and maximum 1V:2H gradient.

GI data beneath the footprint of this new earth structures comprise 2021 BH47, 14, WS48, 50A and 54 and TP27, and 1978 BH236 and 237 as illustrated on Figures A7 and A8.

Soft compressible alluvium is encountered beneath the toe of the existing embankment and therefore consideration of ground bearing resistance and slope stability for the new embankment loading will be required during detailed design.

Temporary surcharge by adjacent haul road will provide confinement and some protection against 'undrained' bearing capacity failure, however it is likely that small shear keys will be required. Toe sheet piles and vibro stone columns are not feasible due to the numerous buried services crossing this area.

Figure 52: Section at Ch.4300. Proposed alignment in red and existing in green)



From Ch.4330 to 4500 the new embankment loading is small and generally applied on top of the existing 1V:6H earth structure which has provided surcharge improvement to the underlying soft alluvium. Detailed design will consider if a shear key can be omitted in this area and stability provided by a slacker slope or temporary toe surcharge.

The following works are currently envisaged and will be confirmed in the GDR.

i) Diversion of the Open Reach service which runs along Quibells Lane and then east along the highway land closure to the railway boundary.

ii) Potential protection slabs over the 11kv feeds that cross under the A46 and railway at Ch.4200. There will also be a new drainage ditch and maintenance track along the toe of the embankment.

iii) Potential for protection slab over Severn Trent Water main at Ch.4400.

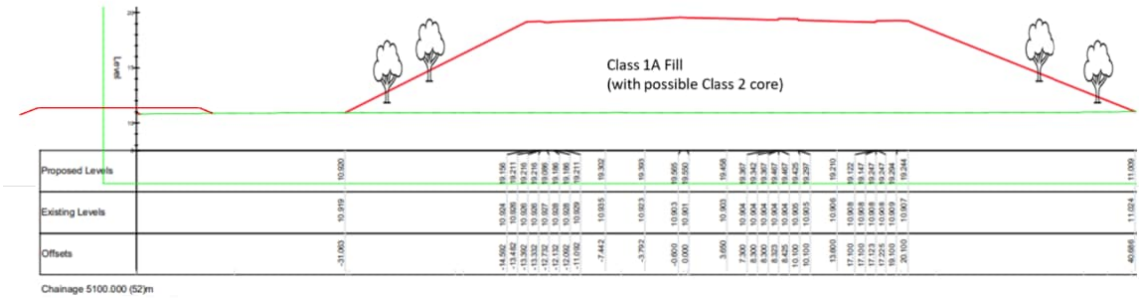
Balancing Ponds are proposed between Ch.4600 and 4700 to the north of the new highway where the alignment runs at grade. The ponds will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H.

7.21 Embankment Ch.4850-5140

A traditional general fill embankment with planted 1V:2.5H slopes is proposed for the new main line as it leaves the current alignment and rises towards the new crossing over the A1. Ground conditions are favorable and less than 80mm total settlement is expected, the majority of which will occur during construction and can be built out during works and less than 20mm being long term consolidation. There are no significant geotechnical risks for this earth structure other than differential settlement if

the Brownhill's Underpass is piled as per option a) in the next section. A typical section at Ch.5100 where fill height is 8.3m is illustrated below.

Figure 53: Section through proposed slip lane and new A46 embankments at Ch.5100



A Balancing Pond is proposed at Ch.5100 to the south of the new highway. The pond will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H.

7.22 B13N - Brownhill's Junction Underbridge Ch.5150

A new underpass is required at Ch.5150 to accommodate the new Brownhill's Junction Road between Bridge House Boarding Kennels, new EB off-slip and the existing A46 junction to Newark.

The structure will be an integral reinforced concrete portal structure.

The options for the Brownhills underpass foundations include CFA piled foundations, shallow foundations and a piled raft with short settlement reducing piles.

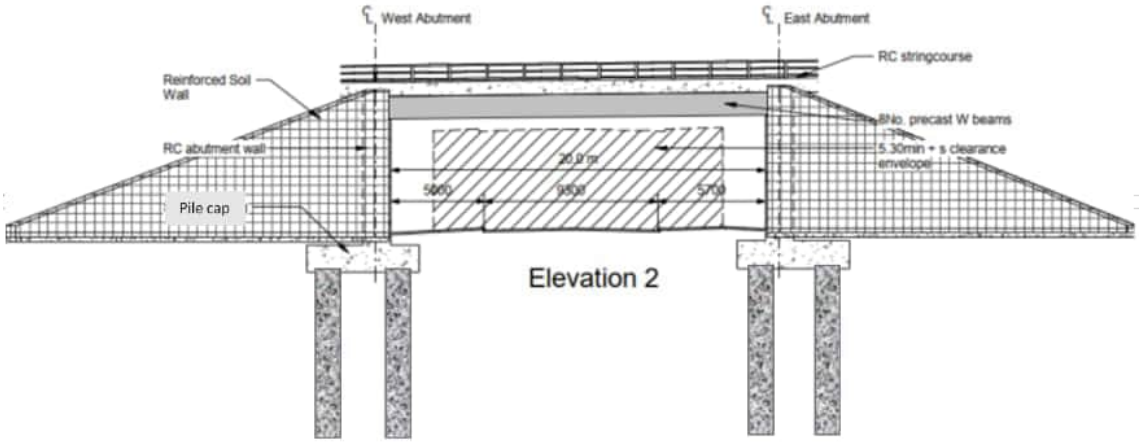
a) Based on initial loads, a piled solution would comprise CFA piles of 900mm diameter, approximately 17m long arranged in two rows of 12 piles each, for a total of 24 piles per abutment.
b) Widening the 4m wide pile cap in option a) to approximately 6m width, creating a shallow foundation. This will form a gravity wall 'heel' under the approach embankment to generate an even base pressure. Most of the settlement will be 'built out' before pavement construction and any long-term settlement in the weathered mudstone will then be similar under the structure and embankment.
c) A third foundation option may be a piled raft where short piles (approximately 8m length for 1.2m diameter) can be designed to carry structural loads as per option a), but a large proportion of the compressive ground resistance is derived from shallow bearing resistance of the pile cap and SLS pile group settlement (and differential settlement between abutment and embankment) will be mid-way between options a) and b).

A key risk at this location is differential settlement between the new structures and earthworks. Due to the wide area of new embankment loading, consolidation settlement of the stiff weathered mudstone may not have fully settled at the time the pavement is constructed.

Flood modelling indicates design flood level is similar to underpass formation level, therefore the AIP is currently in progress based on a preferred option of spread footing foundations with RC 'L' wall and the option for reinforced soil will not be progressed. The abutments balance the earth pressure moment with the weight of fill on the heel of the walls as illustrated below, to achieve an even base pressure.

The drawings are currently being updated to reflect a change from reinforced soil wing walls to reinforced concrete wing walls.

Figure 54: Longitudinal section through Brownhills Underpass



Initial settlement calculations for a spread footing option indicate total settlement less than 80mm, but most of this can be built out by the loading of 6N backfill before the deck is cast, and it may be possible to limit long term settlement to 25mm and differential settlement between each abutment to less than 10mm. However, short piles have been added to the Structures Options Report to maintain a similar basis of design to the new A1 Crossing foundations.

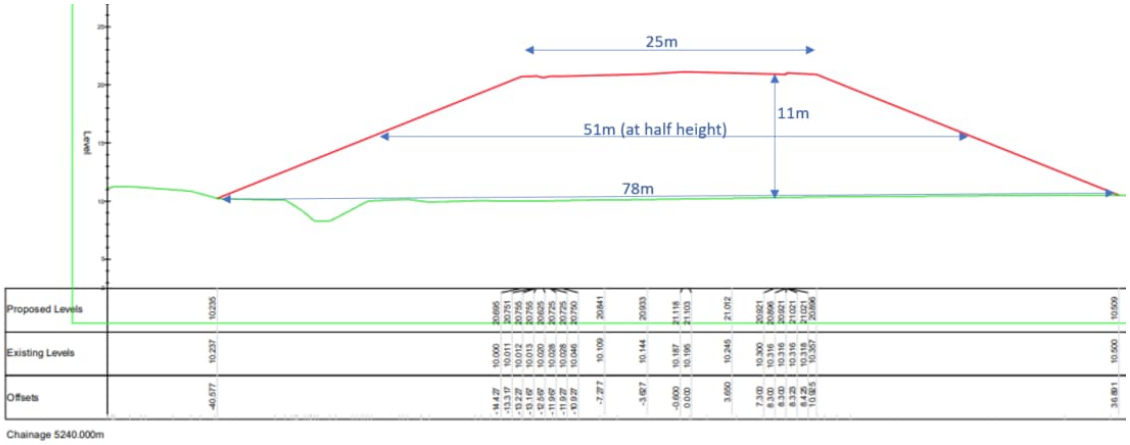
Settlement monitoring will be required to confirm ground movement is within the bounds of predictions, and a contingency plan provided, for example temporary surcharge being applied to generate further short-term settlement and reduce the required settlement period between completion of earthworks and construction of pavement. Detailed design will confirm the pile lengths, the duration of settlement monitoring periods and contingency plans, for example temporary surcharge and / or geogrids beath subbase to protect the pavement from differential settlement.

7.23 Embankment Ch.5160-5240

A traditional general fill embankment with 1V:2.5H slopes up to 11m high and planting are proposed for the new main line as it leaves the current alignment and rises towards the new crossing over the A1. Initial calculations predicted total settlement of 90mm with 55mm occurring during construction and 35mm being long term, associated with a deep thick layer of stiff grade IV mudstone. Due to the deep pressure bulbs and long drainage path, consolidation is expected to occur very slowly at this location.

Balancing Ponds are proposed between Ch.51600 and 5240 to the south of the new highway. The ponds will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H.

Figure 55: Section illustrating dimensions of the new embankment at Ch.5240



7.24 B17N – A1/A46 Crossing Bridge Ch.5240-5330

The options for the A1 bridge foundations are deep CFA piled foundations, shallow foundation and a piled raft.

Based on initial loads, a traditional piled solution would comprise CFA piles of 900mm diameter and approximately 20m long arranged in two rows of 13 piles each, for a total of 26 piles per abutment. This option is not recommended due to the potential need for a long settlement period to manage the risk of differential settlement.

It is proposed to widen the 4m wide pile cap in option a) to approximately 6 to 7m width by forming a gravity wall 'heel' under the approach embankment to generate an even base pressure. A large portion of the settlement can be 'built out' from backfill loading before the deck is placed and further settlement can occur prior to pavement construction. For a spread footing solution any long-term settlement in the weathered mudstone will then be similar under the structure and embankment, and differential settlement is therefore considered to be a low risk.

A third foundation solution may be a piled raft where short piles can be designed to carry structural loads as per option a), but a proportion of the compressive ground resistance is derived from shallow bearing resistance of the pile cap and SLS settlement will be mid-way between options a) and b). For this option, negative skin friction will add short term load to the piles, but any additional pile group settlement caused by this will help to reduce the differential settlement between the pile group and the adjacent embankment.

A key risk at this location is differential settlement between the new structures and earthworks. Due to the wide area of new embankment loading and long drainage path through the stiff completely weathered mudstone, consolidation settlement of the stiff weathered mudstone at +7 to -7mOD will not have completed at the time the pavement is constructed. The depth and extent of weathered mudstone is particularly onerous at this location compared to the rest of the site, as illustrated by soil descriptions and SPT values in BH15, 67, 68 and S3BH01 and 02.

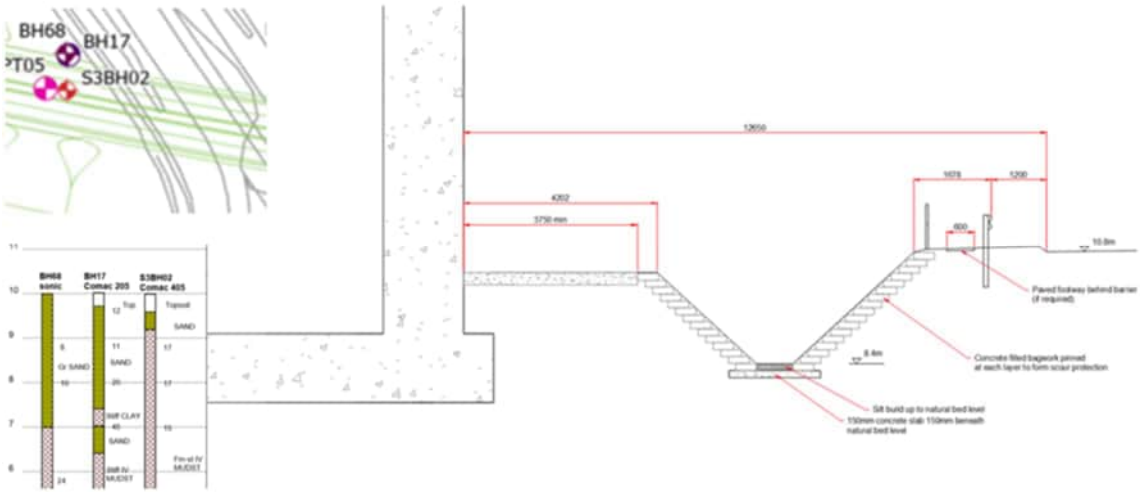
This bridge will not be integral due to the skew and has a long span therefore a total settlement of 50mm and a differential settlement up to 25mm can be accommodated. The pavement and other finishes will have tighter SLS settlement tolerances than the bridge deck and a hold period is expected after the deck is installed and before the finishes are constructed.

Monitoring will be required to confirm settlement is within acceptable limits, before the pavement and finishes are constructed.

The peak water level for 1:1000yr event is 11.23mOD and for 1:100yr + 39% climate change is 9.9mOD. The peak velocity in the Dyke is predicted to be less than 1m/s.

The current proposed arrangement for the south abutment is shown below to illustrate the proximity of the realigned Slough Dyke. The current proposal to mitigate risk of seepage from the Slough Dyke or surface water impacting on the spread footing of the south abutment is to use concrete filled bags for scour protection and a concrete slab between the abutment and the dyke.

Figure 56: Details of the proposed South Abutment arrangement for the new A1 crossing



A review of Travis Morgan A46/A17 Geotechnical Report (1987) illustrates the risk of embankment loading generating differential settlement with respect to a piled bridge abutment.

The B7 Farm Accommodation Overbridge to the A17 approximately 1km east of this structure is founded on spread footings, with approach embankments reaching a height of 7m. The Travis Morgan A46/A17 Geotechnical Report (1987) section 4.05-4.14 states the following:

- “Settlement of the structure’s foundations will be influenced by the approach embankments. Consideration should be given to constructing the 7m high approach embankments prior to the bridge deck slab.”
- “Long term settlements due to the structural and embankment stresses within the underlying Keuper Marl IVa and III are difficult to predict due to uncertainties with regard to c_v and m_v and thickness of strata.”
- However, the embankment and structural arrangement will stress the whole area around the bridge, resulting in fairly uniform overall settlements, possibly of the order of 50 to 100mm. A considerable portion of this could well occur rapidly (possibly even before the deck slab is cast) and differential settlements are considered unlikely to be problematic.”
- “ground loadings of up to 150kPa are likely. The width of the embankment will be approximately 35m at it’s base near the structure. Consequently applied embankment loading will affect both the granular soils and the underlying Keuper Marl to significant depths.”
- “predicting c_v and m_v values for Keuper Marl is affected by uncertainty of selecting appropriate compressibility parameters, and the difficulty in estimating

the thickness of the various weathered types of Marl, making accurate assessment of settlement impossible. However, providing the embankment is constructed before the bridge deck slab, differential settlements should be relatively small." The Travis Morgan GFR (1991) section 8.11 states that the B7 abutments were founded on the gravel stratum and that settlements monitored during construction were generally of the magnitude envisaged at the design stage".

As built drawings of the existing A46 over A1 bridge (1964) contained in the 2020 principal inspection report show the presence of spread footing foundations to the closest bridge to the proposed new A1 crossing. There is however a 1962 drawing for the same pair of bridges showing piled foundations. This structure is very close to the proposed A1 crossing B17N and a review of historical information has cast doubts on the form of the foundations.

The presence of the Slough Dyke is currently perceived as being a risk to shallow foundations. Therefore, the stage 3 Structures Options Report will conclude that a piled raft (piles circa 1.2m dia at 3D c/c and 8m length) and extended settlement hold period are provided, as well as RC wing walls with short settlement reducing piles. The SES review of this Structures Options Report is ongoing and any changes to the foundations will be documented in the GDR.

7.25 Embankment Ch.5330-5700

A traditional general fill embankment with 1V:2.5H slopes and planting are proposed for the new main line the new A1 bridge and the grade section of highway up to Winthorpe Junction. Ground conditions are favorable and less than 90mm total settlement is expected with a large portion of this occurring during construction.

Balancing Ponds are proposed between Ch.5330 and 5500 to the north and south of the new highway. The ponds will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H. A section at Ch.5340, confirms the new embankment is 11m high with a finished road level 21mOD. The geometry of this section is almost identical to Ch.5240 which is shown in Figure 55.

7.26 At Grade Ch.5700-6865

From Ch.5700 to 6865 the new highway runs at grade (embankment less than 1m above existing ground level). Several landscape bunds are located to the north to provide screening for the residents of Winthorpe and attenuate road traffic noise. The bunds shall be 2m in height and have 1V:3H slopes and may be constructed with general fill or a specified quality of Class 4 landscape fill subject to slope stability verification during detailed design. The bunds will have planting to further enhance their screening function.

Balancing Ponds are proposed between Ch.5800 and 6000 to the north of the new highway. The ponds will be approximately 1m deep (below existing ground level) and have a maximum gradient of side slopes of 1V:3H.

7.27 Embankment Summary

Table 31 presents a summary of earth structures (embankments) with respect to geometry, slope stability, ground improvement, geosynthetics, soil retention and indicates the scope of SGM or AIP's to be completed in the next design stage.

Table 31: Embankment Summary

Chainage	Slope Gradient, & max height	Special Geotechnical Measure or Approval in Principle
0000-0245	1V:2H, 7.1m	Cat 2 sheet piled wall EB Ch.60-150.
0335-0980	1V:2H and 70-deg, 7.4m	Vibro stone columns EB Ch.335-475 and Ch.950-980 to 7mOD over zone between new and existing toe of batter. 70-deg strengthened EB slope Ch.355-565
0990-1445	1V:2H and 70-deg, 9.6m	Vibro stone columns to wing wall of underpass extension and EB Ch.990-1350 and Ch.1400-1445-to 7mOD over zone between new and existing toe of batter. 70-deg strengthened slope EB Ch.1000-1400
1530-2300	1V:2H, 9m	Cat 1 gravity wall to SB toe Ch.2140-2190 70-deg strengthened NB slope Ch.1540-2300
2300-2570 slip lanes	1V:2.5H on southern slips, 1V:2H and 70-deg on northern, 8m above current fill level	70-deg strengthened EB off slip slope Ch.2300-2450 Vibro stone columns and Rigid Inclusions as per Figure 41
2300-2570	85-deg, 8m above current fill level	Cat 2 85-deg reinforced soil walls 2300 to 2570 Vibro stone columns and Rigid Inclusions as per Figure 41
2590-2670	85-deg, 8m above current fill level	Vibro stone columns and Rigid Inclusions as per Figure 41. Potential piled protection slab Ch.2600-2630
2700-3020	85-deg, 1V:2.5H on WB, 1V:2H and 70-deg on EB, 8.5m	Cat 2 85-deg reinforced soil walls 2700 to 2900 70-deg strengthened EB slope Ch.2900-3020. Vibro stone columns as per Figure 41
2720-2965 slip lanes	1V:2.5H on southern slips, 1V:2H and 70-deg on northern, 8.5m	70-deg strengthened EB on-slip slope Ch.2740-2965. Vibro stone columns as per Figure 41
3085-3565 Rail Bridge to Viaduct	1V:2H and 70-deg, 7.5m with small height of new fill on side of 13m high batter	70-deg strengthened EB lower slope Ch.3085-3565. Possible toe piled wall Ch.3100-3565
3935-4110 **Viaduct to WWTW U/pass**	1V:2H and 70-deg, 11.1m	70-deg strengthened EB lower slope Ch.3935-4110. Possible toe piled wall or temporary toe surcharge Ch.3935-4110.
4125-4500	1V:2H and 70-deg, 6.3m	70-deg strengthened EB lower slope Ch.4125-4300. Granular shear key to 2m depth Ch.4125-4300
4500-5120 EB off slip & main line to U/pass	1V:2.5H, 8.5m	Reinforced soil wing walls to Brownhills Underpass

5150-5240 Underpass to A1	1V:2.5H, 11m	Reinforced soil wing walls to A1 Bridge
5330-6865 A1 to Winthorpe Jn	1V:2.5H, 11m	Small traditional embankment and works at grade

7.28 Pavement Foundations

It is currently assumed that long term equilibrium CBR values on top of new Class 1 embankments will be 10% and for new highways at grade long term equilibrium CBR values will be 3%.

7.29 Ponds

For all balancing ponds, it is desirable to hold some water through dry periods to minimise desiccation cracking and adverse aesthetic or biodiversity impacts. Where ponds are formed in granular drift soils it is proposed that a temporary over excavation will be carried out and a nominal 0.5m thickness of compacted intermediate or high plasticity Class 2A fill placed as a mineral liner. Further details of ponds and liners will be developed during detailed design and any changes documented in the GDR.

References

[1] Atkins, “A46 Newark Northern Bypass Geotechnical PSSR,” 2021.

[2] Department of Transport, “CD 622 Managing Geotechnical Risk,” Department of Transport, 2020.

[3] European Union, “EN 1997-1 (2004): Eurocode 7: Geotechnical Design - Part 2: Ground Investigation and Testing,” 2007.

[4] Network Rail, “NR/L2/CIV/003 Engineering Assurance of Building and Civil Engineering Works,” 2020.

[5] Network Rail, “NR/L3/CIV/071 Geotechnical Design,” 2011.

[6] Network Rail, “NR/L3/CIV/020 Design of Bridges,” 2011.

[7] Department of Transport, “Design Manual for Roads and Bridges, 'CG300 Technical Approval of Highways Structures' Revision 0.1.0,” 2021.

[8] Exploration Associates, “A46 Newark Relief Road Report on Site Investigation,” 1978.

[9] Exploration Associates, “A46 Newark Relief Road Report on Supplementary Site Investigation,” 1985.

[10] Travers Morgan & Partners, “A46 Newark Relief Road,” 1985.

[11] T. M. &. Pertners, “A46/A17 Newark Relief Road A17 Link Road,” 1987.

[12] Department of Transport, “A46 Newark Relief Road Geotechnical Feedback Report,” 1991.

[13] Kier, “A46 Western Junction Brownhills Roundabout Preliminary Sources Study & Ground Investigation Report,” 2018.

[14] Kier, “A46/A1 Eastern Friendly Farmer Roundabout Improvements Ground Investigation Report,” 2018.

[15] Kier, “A46 Cattlemarket Roundabout Improvements PSSR, Ground Investigation Report & Geotechnical Design Report,” 2018.

[16] Kier, “A46 Western Junction Brownhills Roundabout PSSR & GIR,” 2018.

[17] Kier, “A46 Western Junction Brownhills Roundabout Geotechnical Design Report,” 2018.

[18] Atkins, “A46 Newark Northern Bypass Geotechnical Statement of Intent,” 2018.

[19] Atkins, “A46 Newark Northern Bypass GISR,” 2021.

[20] Mott MacDonald, “A46 Newark Northern Bypass GISR & Sepcification for Supplementary GI,” 2022.

[21] Tetra Tech, “A46 Newark Northern Bypass Factual GI Report,” 2022.

[22] Strata Geotechnics, “Factual Ground Investigation Report: A46 Newark Bypass,” 2023.

[23] Kier, “A46 Western Junction Brownhills Roundabout Geotechnical Feedback Report,” 2022.

[24] Environment Agency & DEFRA, “LIDAR Composite Digital Terrain Model (DTM) - 2019 - 1m WMS,” [Online]. Available: https:l/environment.data.gov.uk/spatialdatallidar-composite-digital-terrain-model-dtm-1m-2019/wms. [Accessed November 2020].

[25] British Geological Survey, “Geoindex Online,” 2022. [Online]. Available: [redacted]

[26] Coal Authority, “Coal Authority Interactive Viewer,” Coal Authority, 2022. [Online]. Available: [redacted] [Accessed 2023].

[27] ESG, “A46 Cattle Market Improvements. Factual Report on Ground Investigation,” 2017.

[28] D. o. Transport, “CD 356 Design of highway structures for hydraulic action,” Department of Transport, 2020.

[29] Mott MacDonald, “A46 Contaminated Land Risk Assessment,” 2023.

[30] Zetica UXO, “UXO Desk Study & Risk Assessment Ref. P11903-22-R1,” 2022.

[31] Mott MacDonald, “A46 Newark Bypass Ground Investigation Specification Stage 3 Ground Investigation,” 2022.

[32] Strata Geotechnics Limited, “A46 Final Factual Report,” 2023.

[33] CIRIA, “Volume 47. Further Work on the Engineering Properties of Keuper Marl,” 1973.

[34] S. Markvukaj, S. Pye, M. Vance, A. O'Brien and I. Farooq, “Shaft friction design for piles in extremely weak to weak Mercia Mudstone,” 04 03 2023. [Online]. Available: [redacted] [Accessed 23 05 2023].

[35] British Standards, “BS 1377-2:2022 Methods of Test for Soils for Civil Engineering Purposes - Classification Tests and Determination of Geotechnical Properties,” 2022.

[36] British Standard, “BS EN 1997-1:2004 + A1:2013 Eurocode 7: Geotechnical Design - Part 1:

General Rules," 2013.

[37] British Standard, "BS EN 1997-2:2007 Eurocode 7: Geotechnical Design - Part 2: Ground Investigation and Testing," 2010.

[38] Design Manual for Roads and Bridges, "CD 622 Managing Geotechnical Risk," 2020.

[39] BSI, "BS 1192 Collaborative production of architectural, engineering and construction information - code of practice," 2016.

[40] R. B. Peck, W. E. Hanson and Thorburn T H, "Foundation Engineering 2nd Edition," 1967.

[41] Department of Transport, "Design Manual for Roads and Bridges, 'CD 375 - Design of Corrugated Steel Buried Structures' Revision 1," 2020.

[42] J. E. Bowels, Foundation Analysis and Design, 5th Edition, The McGraw-hill Companies, 1997.

[43] M. A. Stroud, "The Standard Penetration Test in Insensitive Clays and Soft Rocks," 1975.

[44] British Standards, "BS8002:2015 Code of Practice for Earth Retaining Structures," BSI, 2015.

[45] M. Tomlinson, "Foundation Design and Construction 7th Edition," 2001.

[46] CIRIA, "Special Publication 27 Settlement of structures on clay soils," 1983.

[47] A. O'Brien, J. Burland, T. Chapman, H. Skinner and M. Brown, Manual of Geotechnical Engineering: Volume 2, Chapter 55: Pile Group Design, Institute of Civil Engineering, 2015.

[48] R. J. Chandler and A. Forster, "Engineering in Mercia mudstone (C570)," CIRIA, 2001.

[49] P. R. N. Hobbs, J. R. Hallam, A. Forster, D. C. Entwisle, L. D. Jones, A. C. Cripps, K. J. Northmore, S. J. Self and J. L. Meakin, "Engineering Geology of British Rocks and Soils: Mudstones of the Mercia Mudstone Group," British Geological Survey, 2002.

[50] CIRIA , "C760 - Guidance on Embedded Retaining Wall Design," 2017.

[51] BRE Construction Division, "Special Digest 1:2005 3rd Edition Concrete in Aggressive Ground," 2005.

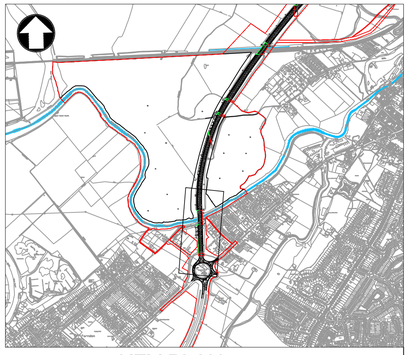
[52] Atkins, "Ground Investigation: Summary of Key Geological/Geotechnical Findings," 2021.

[53] British Standards, "BS EN 14475:2006: Execution of Special Geotechnical Works. Reinforced Fill.," 2006.

[54] CIRIA, "C653 - Reuse of Foundations," 2007.

[55] British Standards, “BS 8006-2:2011 Code of practice for strengthened/reinforced soils. Soil nail design (+A1:2017),” 2011.

Appendix A Geotechnical Drawings



KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

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RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

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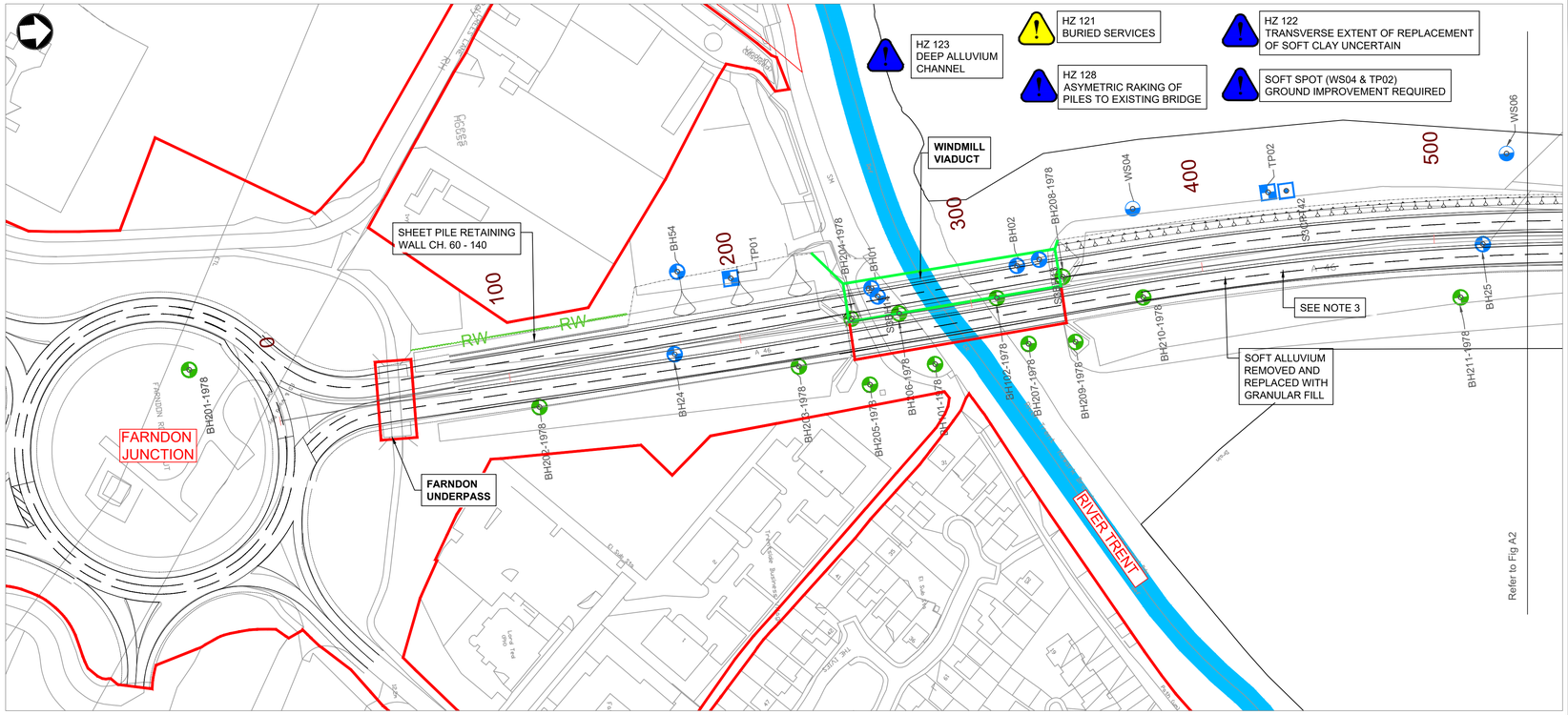

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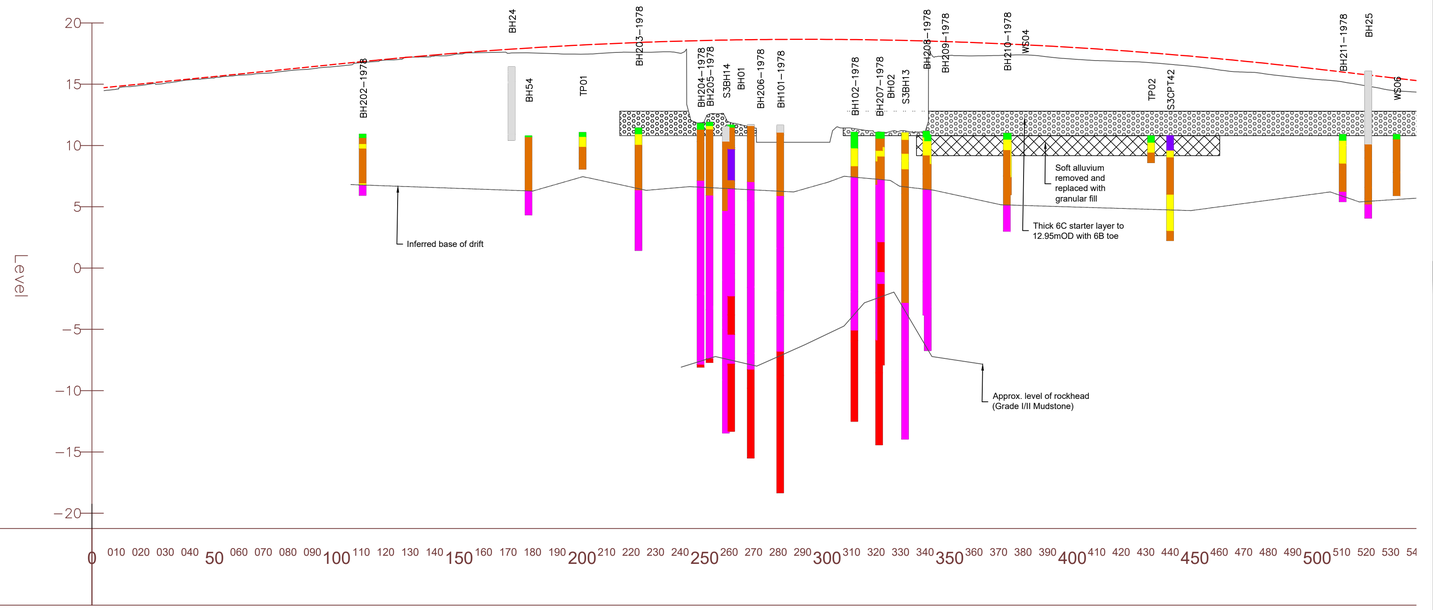

PROFILE
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1:1250 0 62.5m 125m

Notes

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7. Drawings are to be viewed and printed in colour.

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 01 of 12

Scale	Designed	Drawn	Checked	Approved
AS SHOWN		D Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
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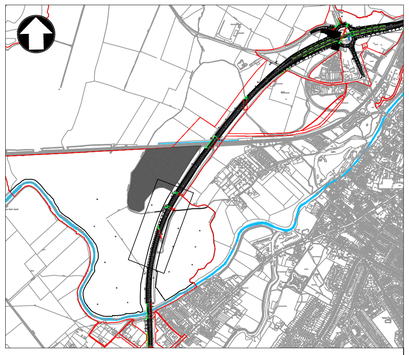
Project Ref. No.: HE551478

Revision: P03



KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

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- Trial Pit
- CPT

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Profile Key

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RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

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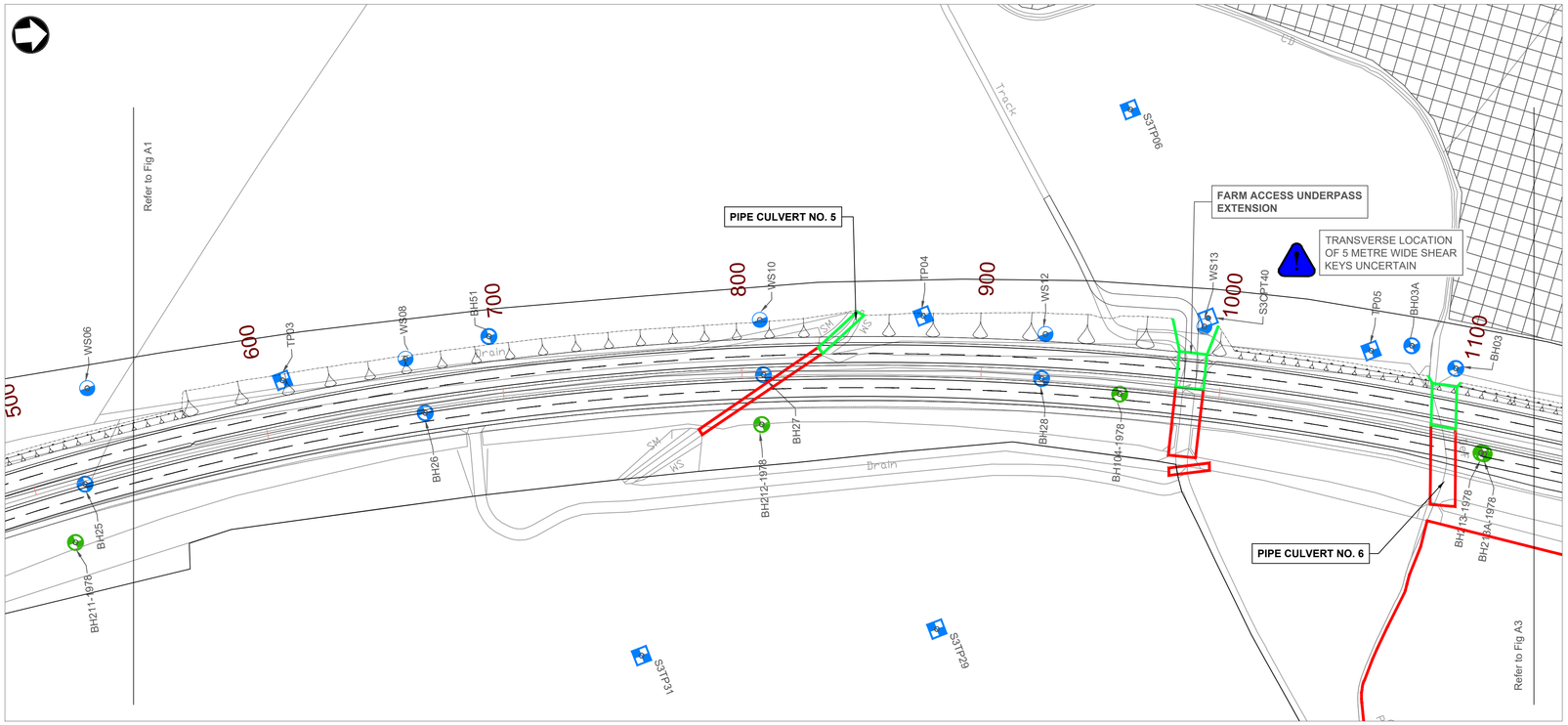

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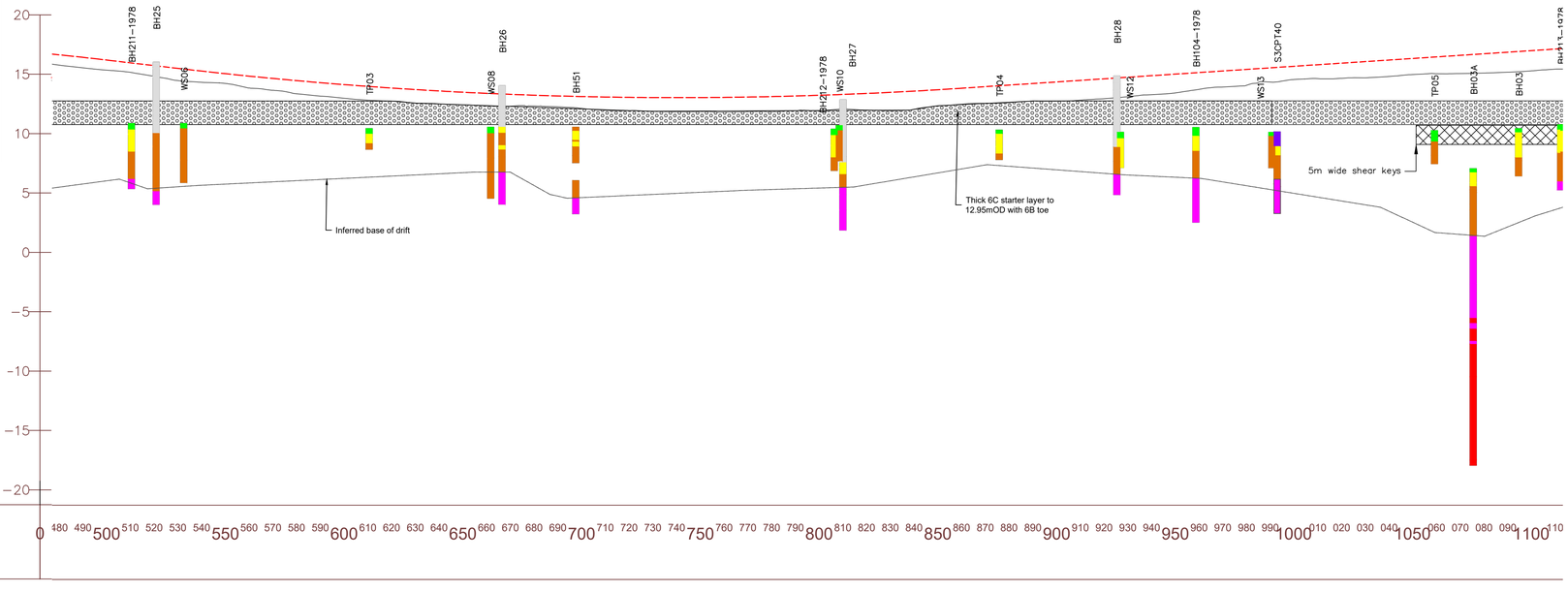

PROFILE
SCALE V 1:250 H 1:250 @ A1

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1:1250 0 62.5m 125m

Notes

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Drawing Template
Geotechnical Plan & Section
Sheet 02 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
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Drawing Number: HE PIN | Originator | Volume | Location | Type | Role | Number
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Revision: P03

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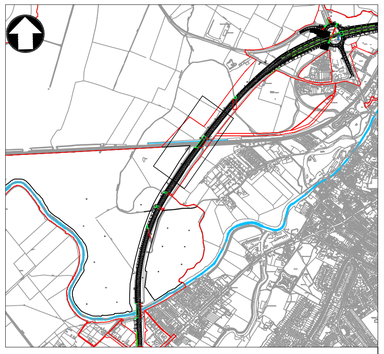

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

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- CPT

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- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
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- Top Soil
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- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

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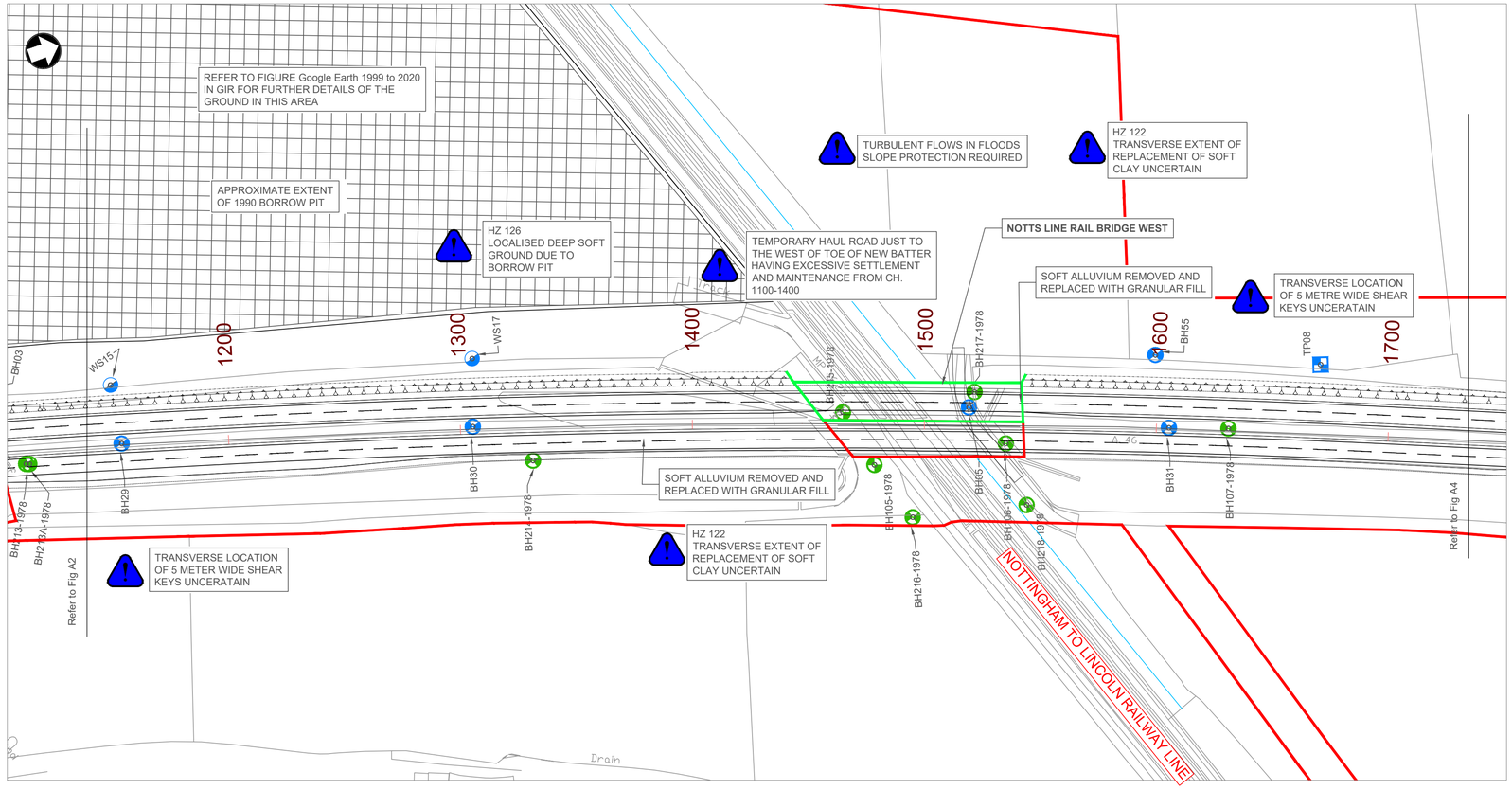

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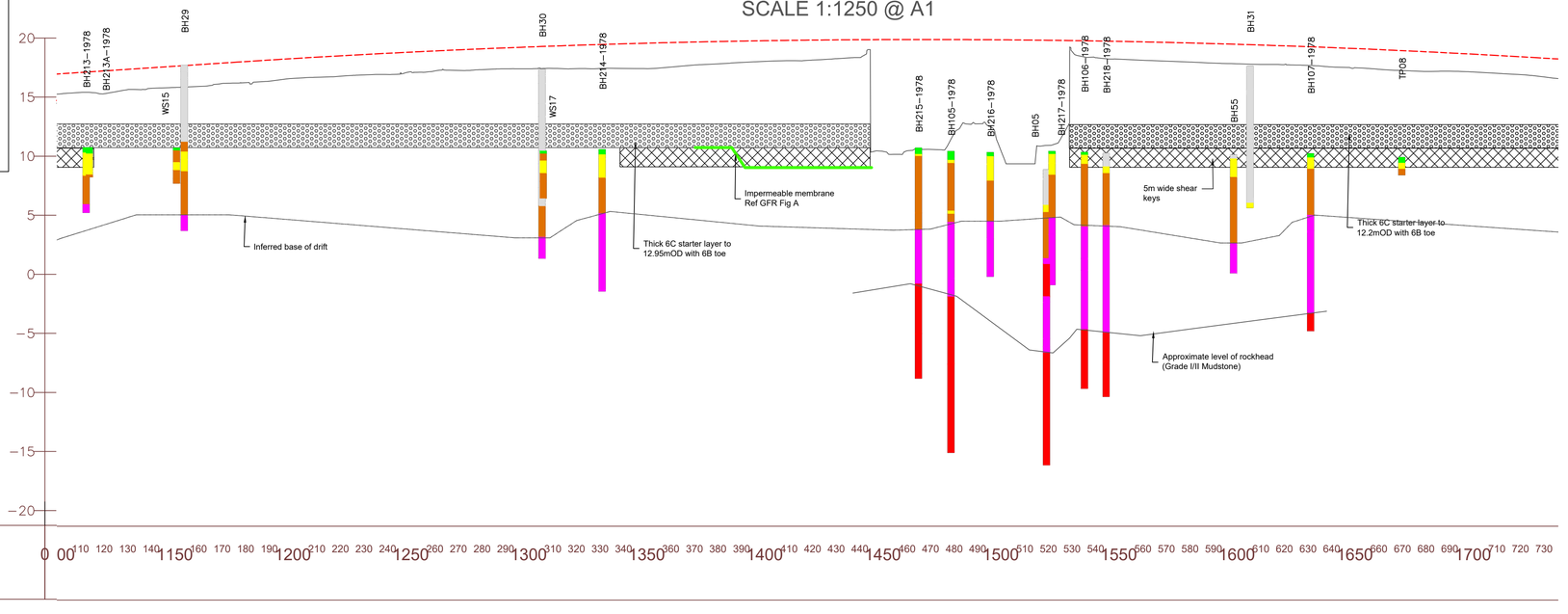

PROFILE SCALE V 1:1250 H 1:250 @ A1

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Drawing Status: Suitable for Information

Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 03 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
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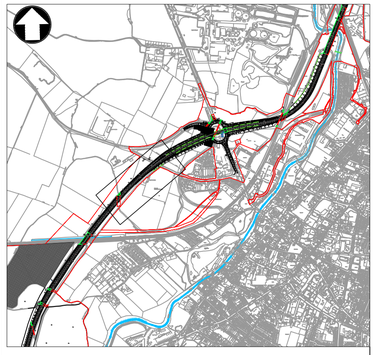
Project Ref. No.: HE551478

Revision: P03



KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Soft Alluvium
- Existing Structure
- River Trent

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
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- Fresh Mudstone (I/II)

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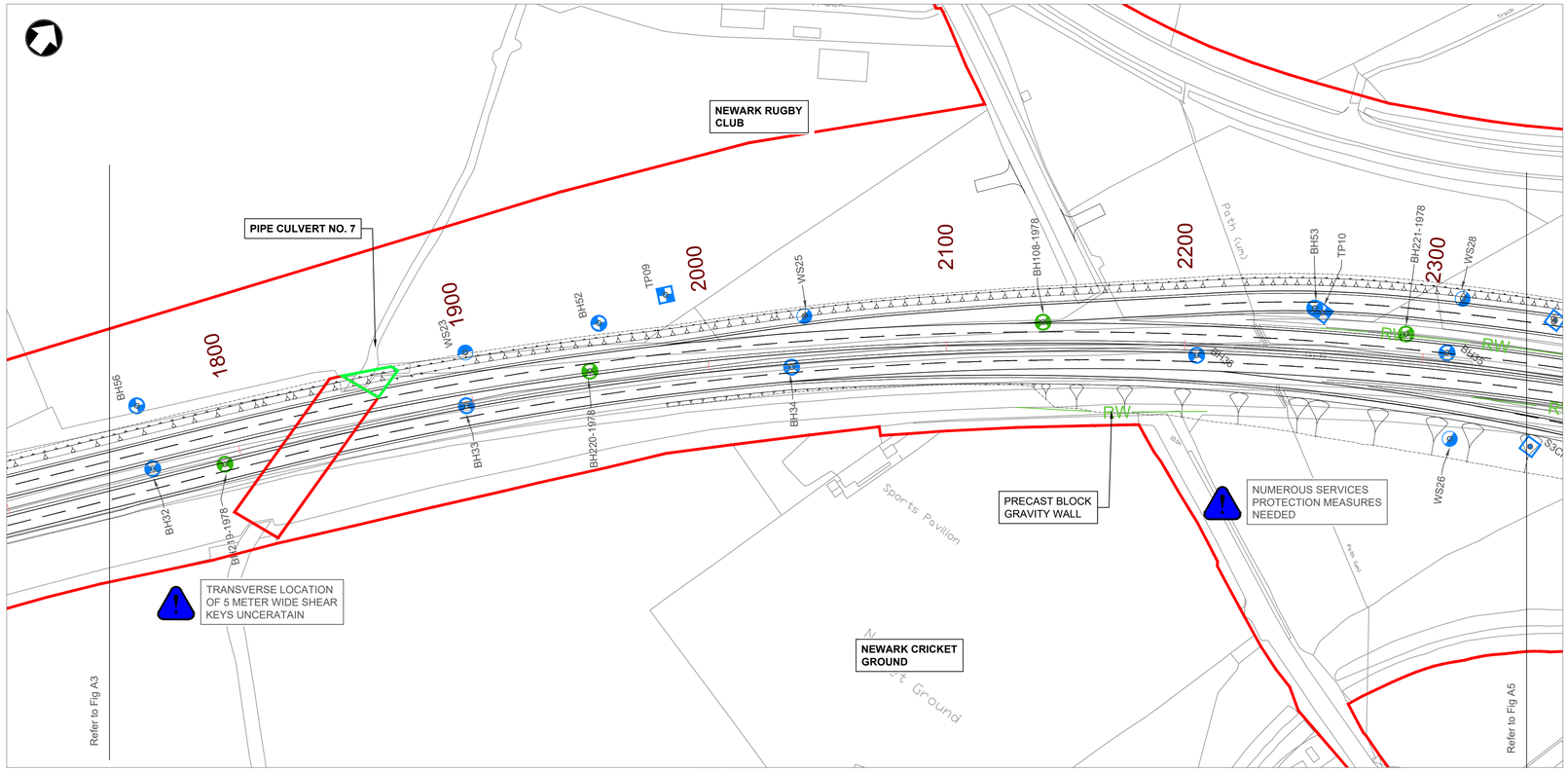

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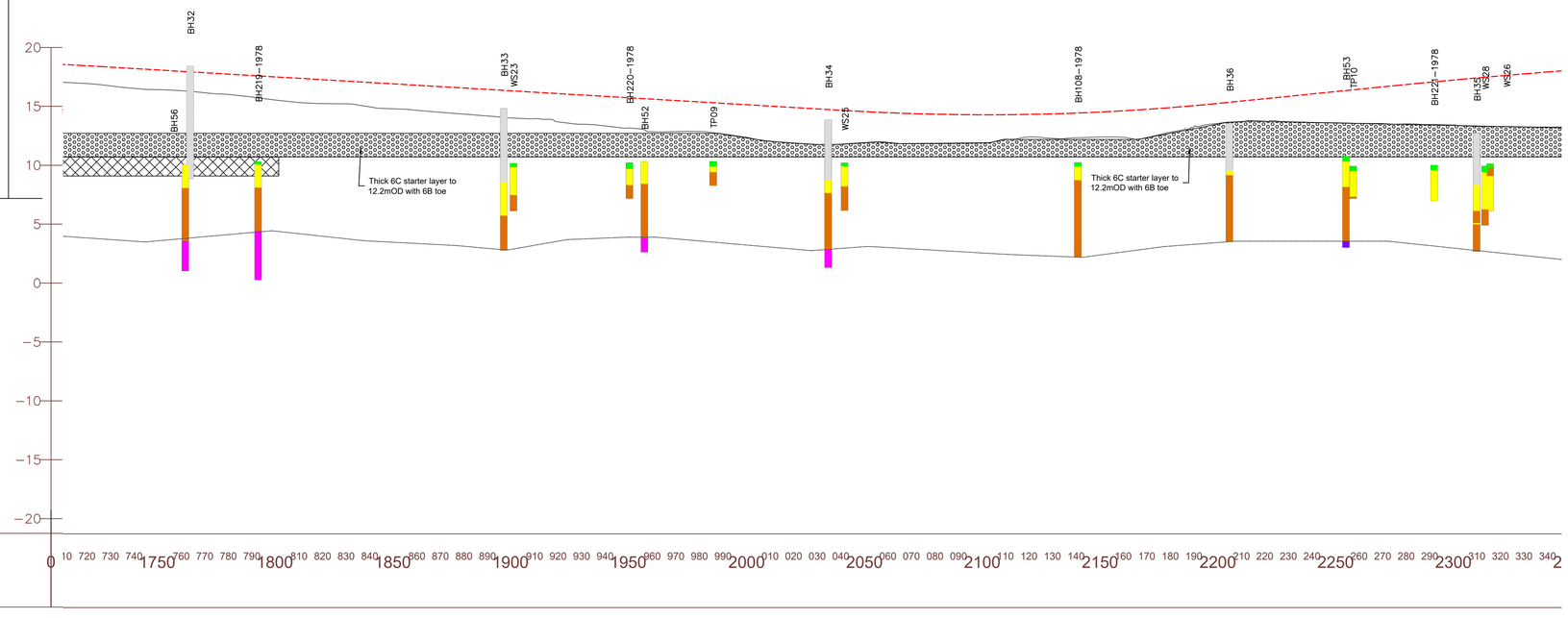

PROFILE
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1:1250 0 62.5m 125m

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Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 04 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
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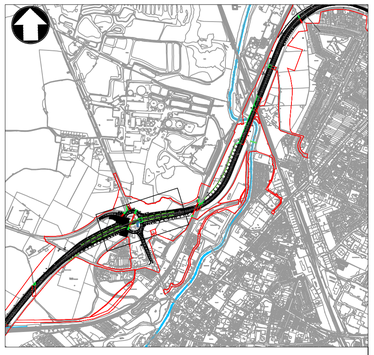
Revision: P03



KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

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RESIDUAL DESIGNERS RISK ASSESSMENT

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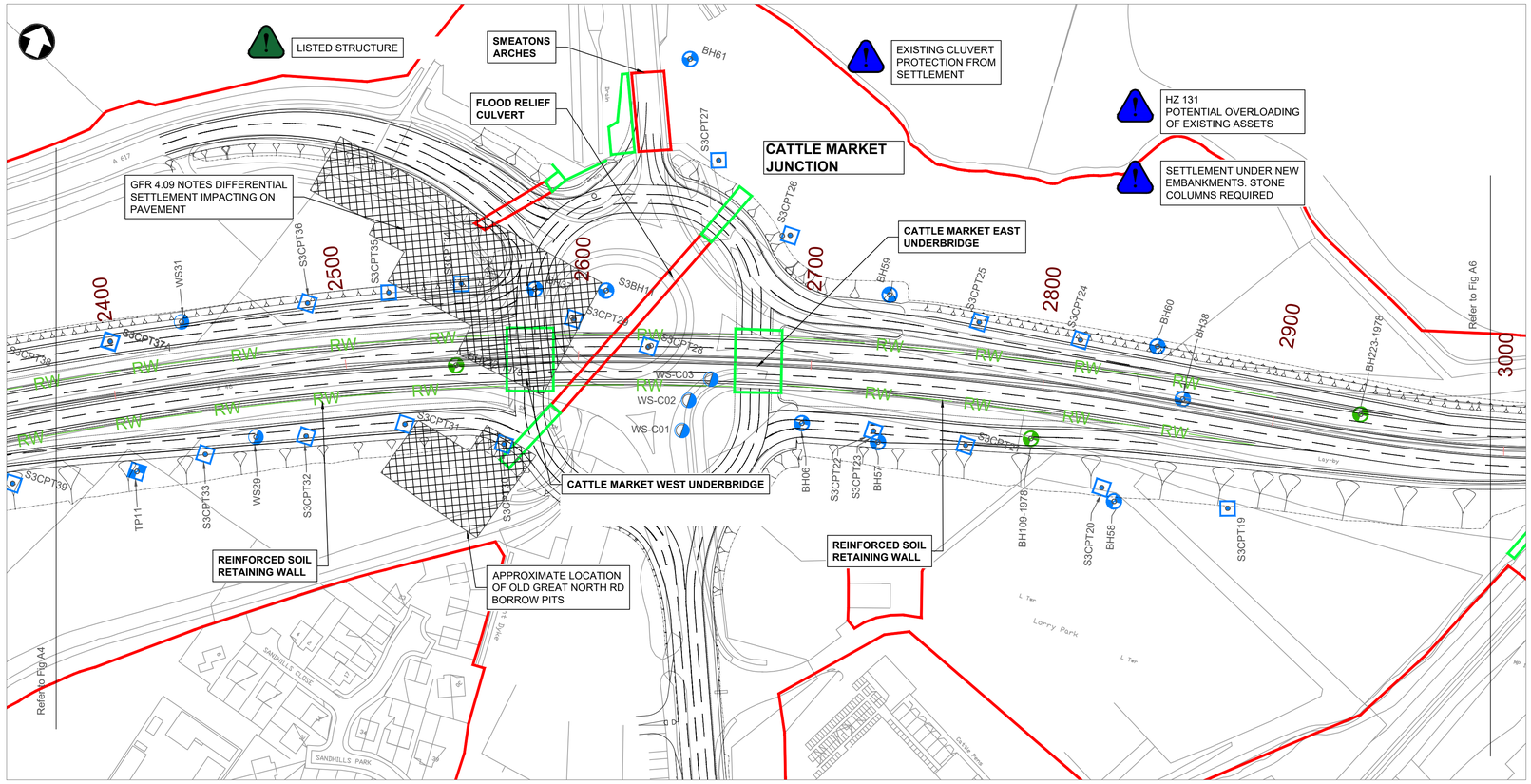
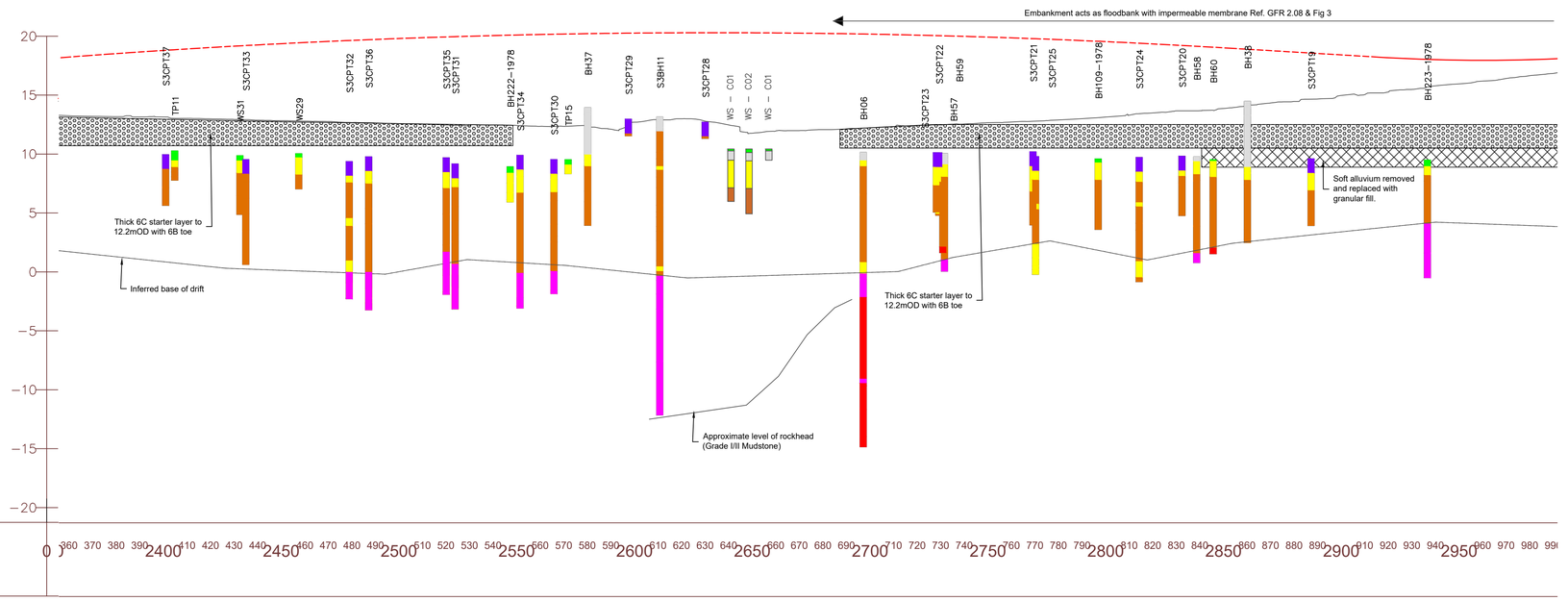


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

Notes

1. The Geotechnical Figures should be read in conjunction with the:
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7. Drawings are to be viewed and printed in colour.

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P03	06/07/23	Issue For Approval	DB	AC	AW
P02	19/05/23	Issue For Approval	DB	AC	AW
P01	28/03/23	Preliminary Issue	DB	AC	AW

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www.mottmac.com

Client: national highways

Drawing Status: Suitable for Information

Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass Geotechnical Plan & Section Sheet 05 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D Bracken	A Cooper	A Willoner
Original Size	**Date**	**Date**	**Date**	**Date**
A1		28/03/23	20/03/23	28/03/23

Drawing Number: HE PIN | Originator | Volume | Location | Type | Role | Number
Fig A5 - - - - - -

Project Ref. No.: HE551478

Revision: P03

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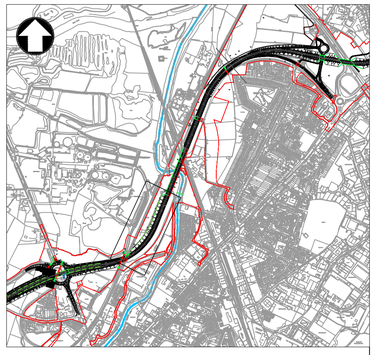

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

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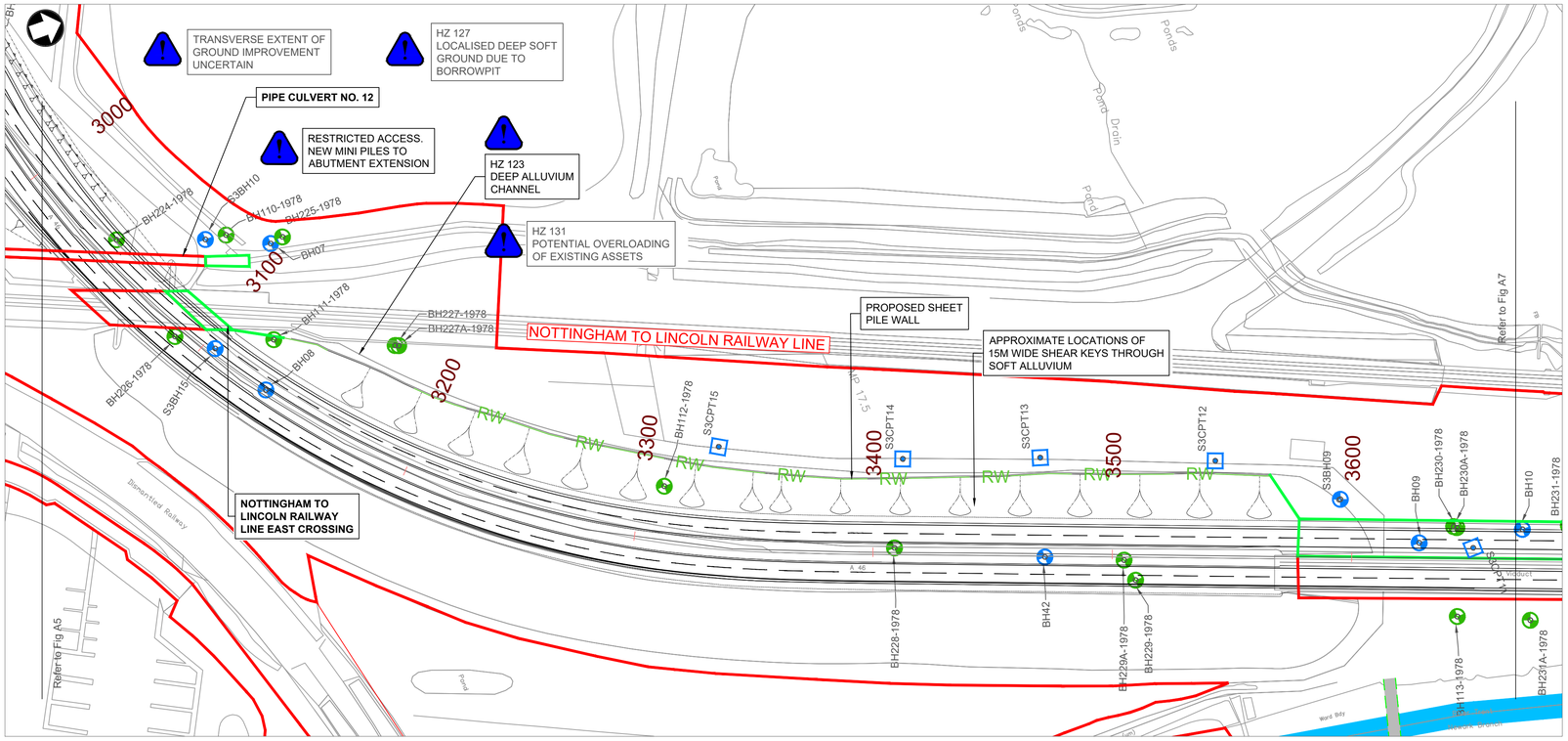
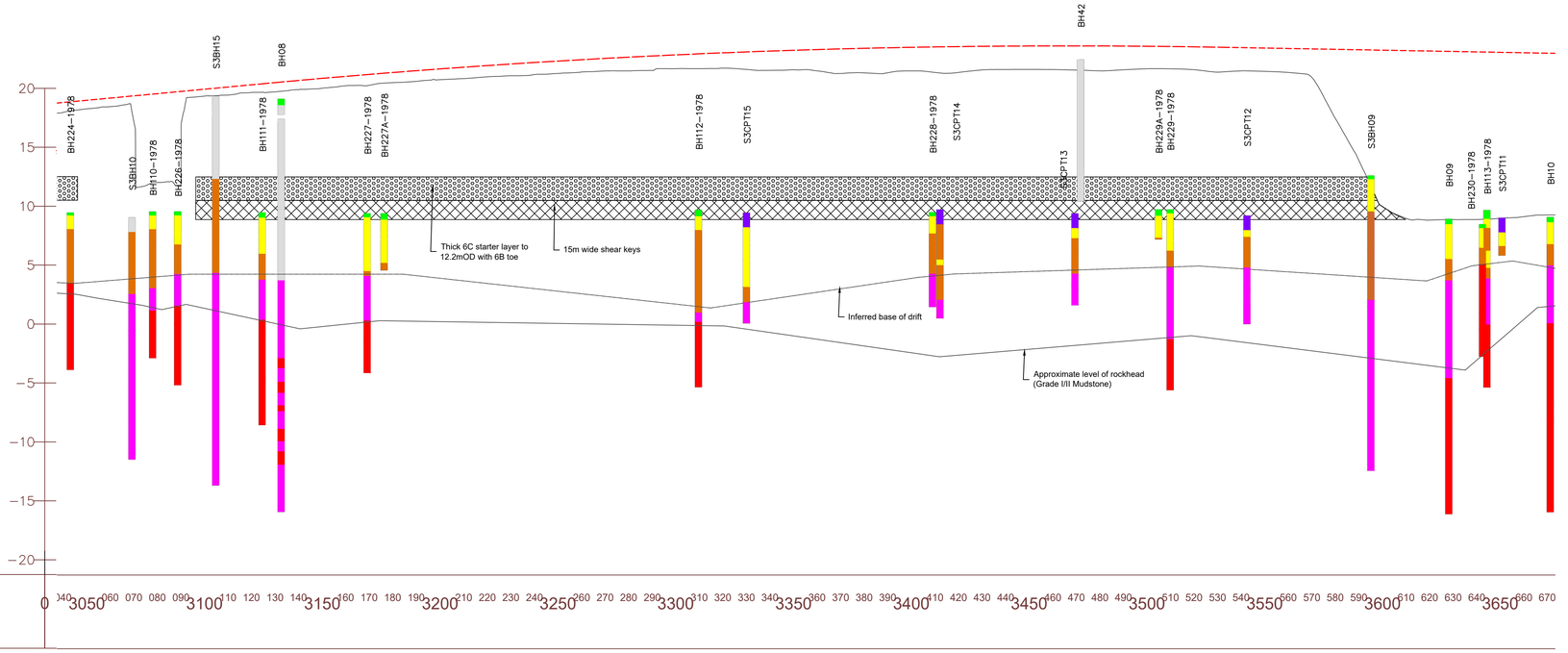


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

Notes

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 06 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN - | Originator - | Volume - - | Fig A6 - | Location - | Type - | Role - | Number -

Project Ref. No.: HE551478

Revision: P03

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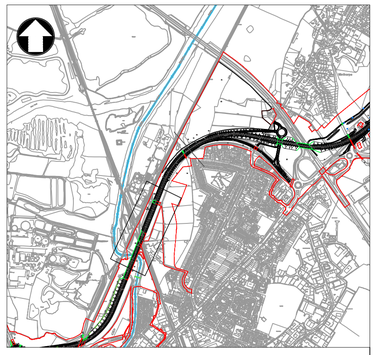

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

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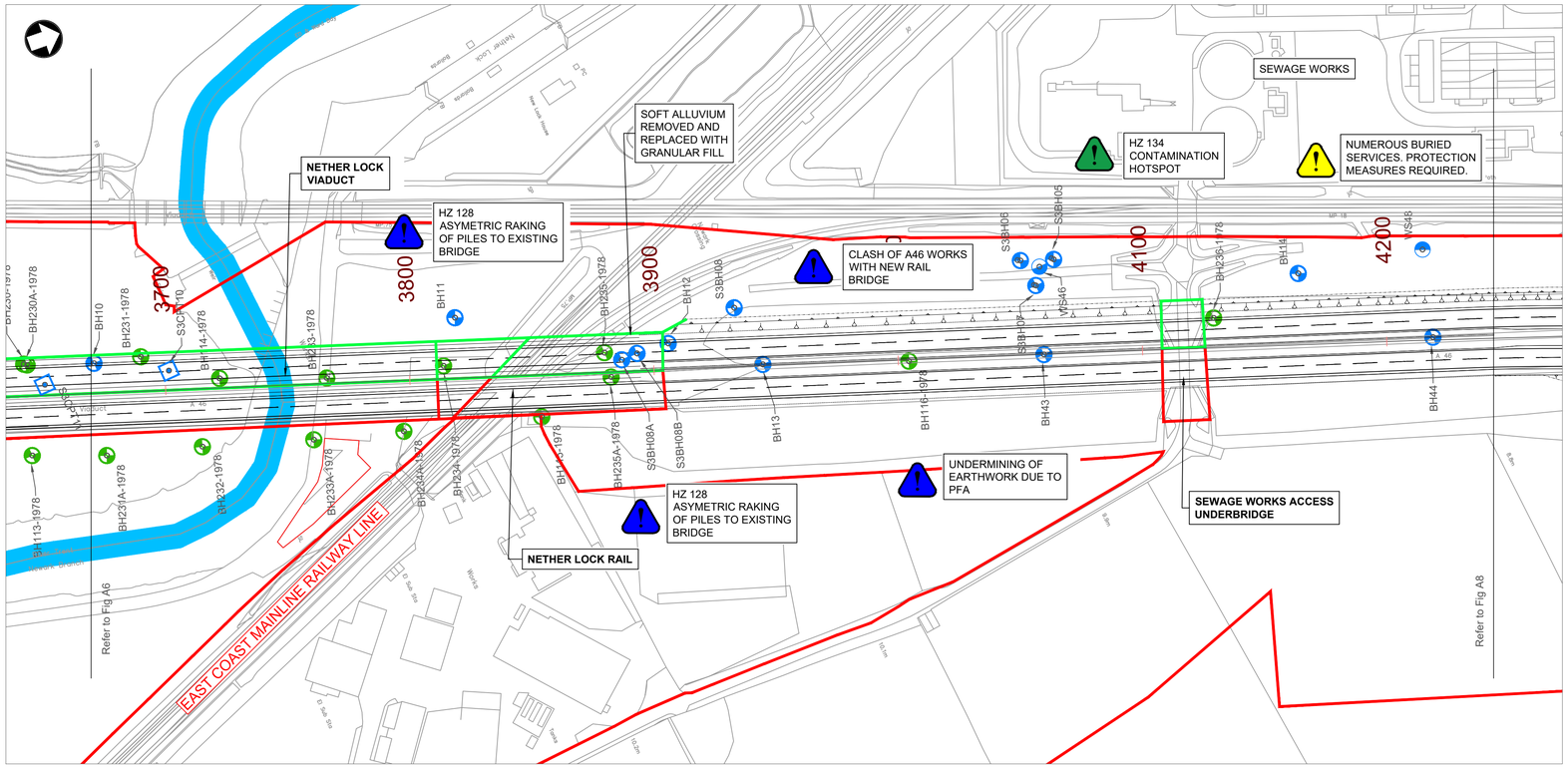
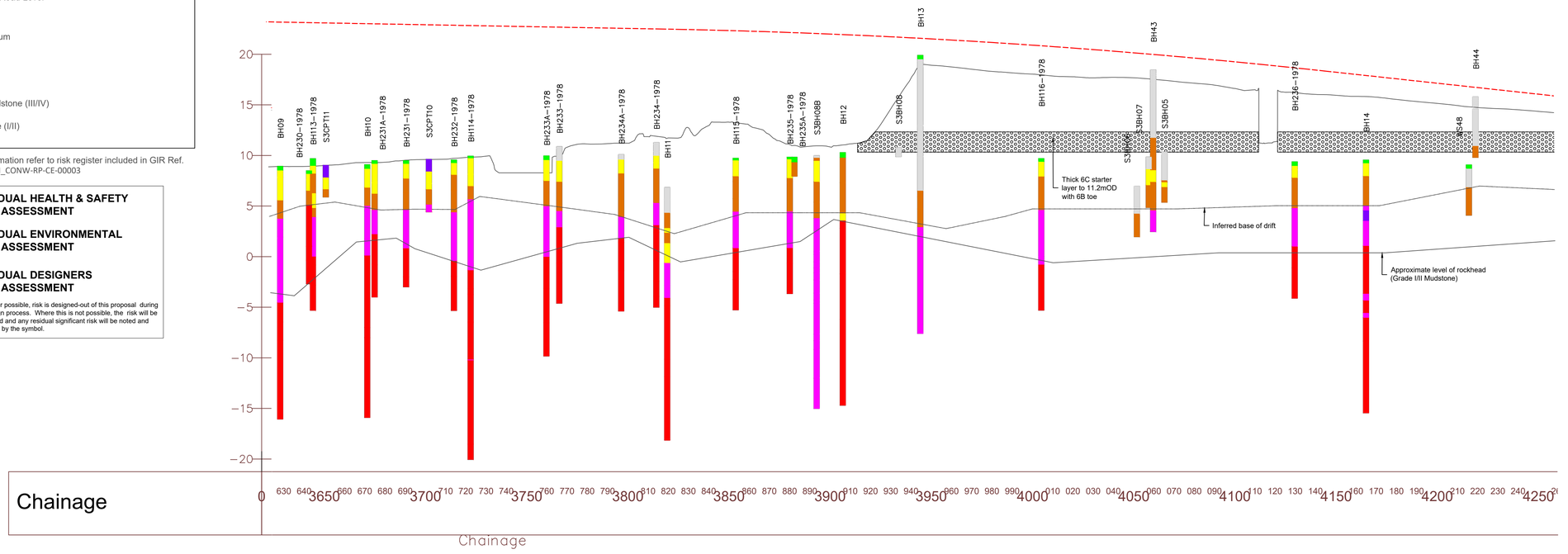


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

Notes

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 07 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN - Fig A7 - | Originator - | Volume - | Location - | Type - | Role - | Number -
Project Ref. No.: HE551478
Revision: P03

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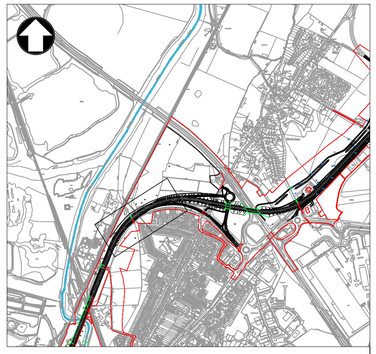

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

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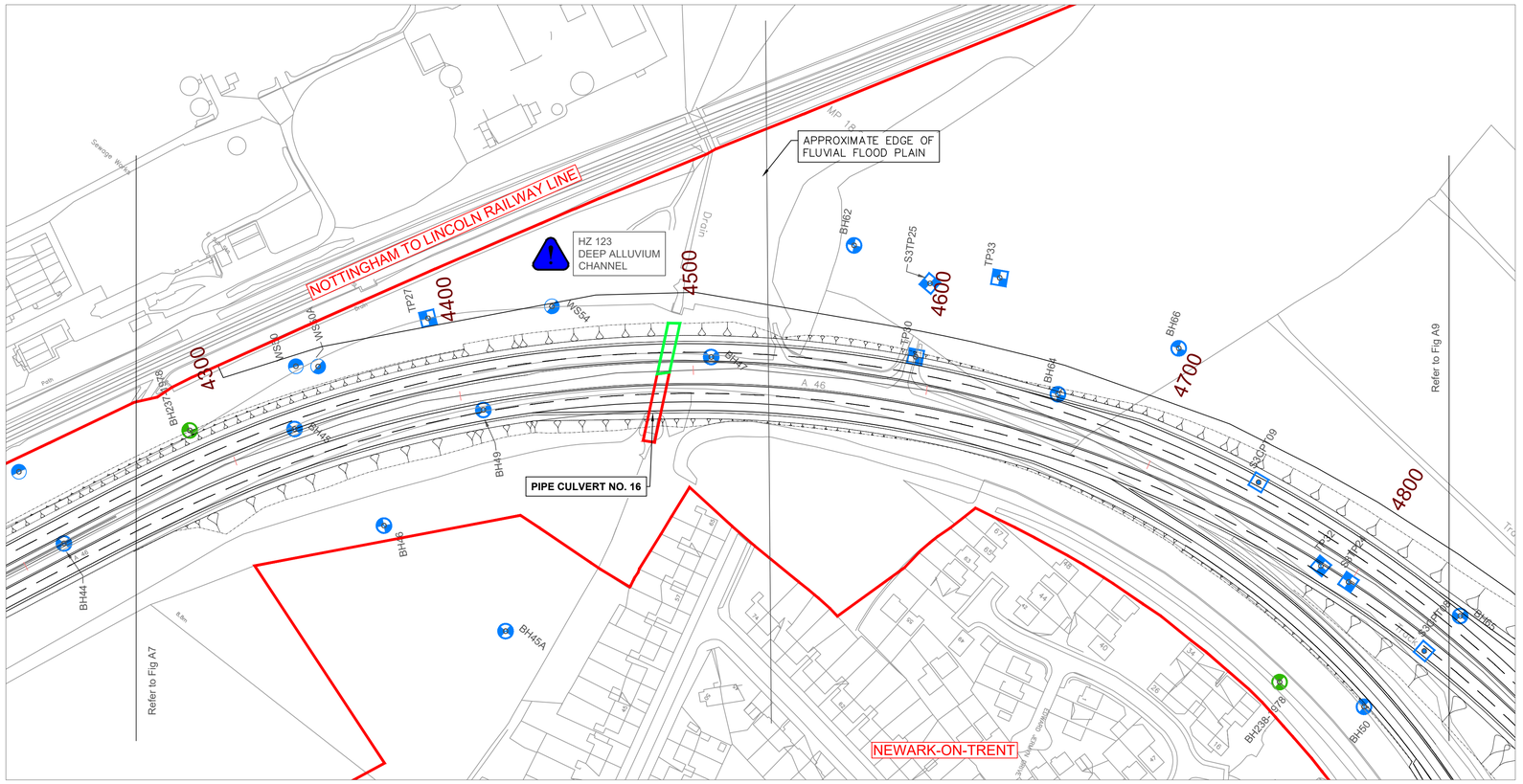
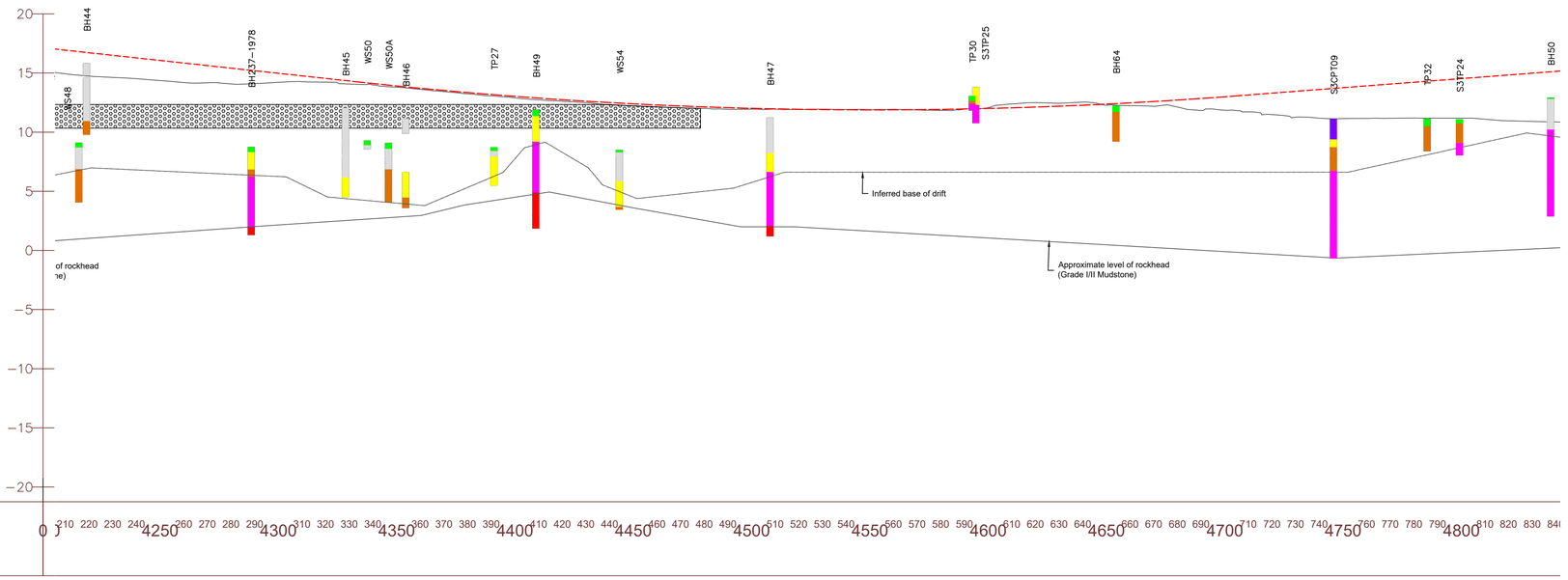


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

Notes

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 08 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN Fig A8 - | Originator - | Volume - | Location - | Type - | Role - | Number -
Project Ref. No.: HE551478
Revision: P02

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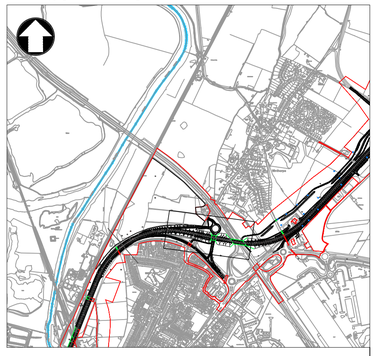

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

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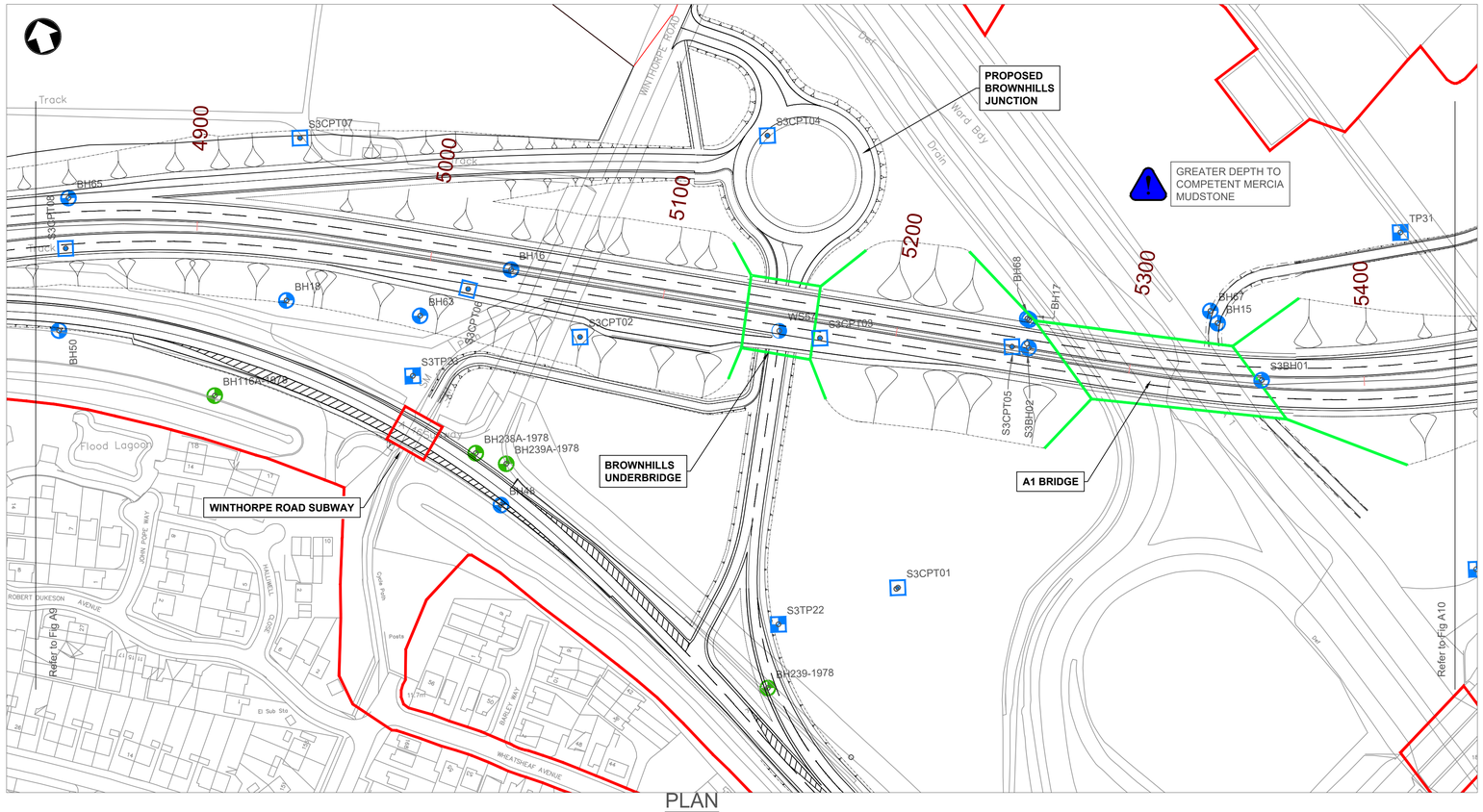
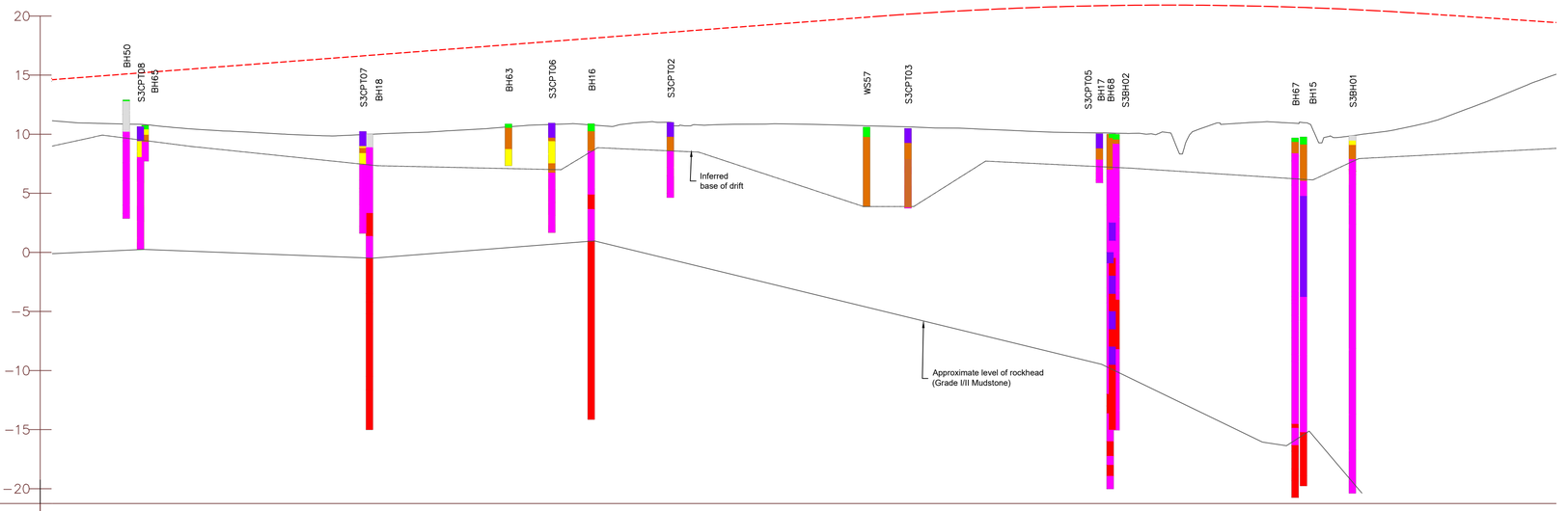


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

Notes

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Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 09 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN | Originator | Volume | Location | Type | Role | Number
Fig A9 - - - - - -

Project Ref. No.: HE551478

Revision: P03

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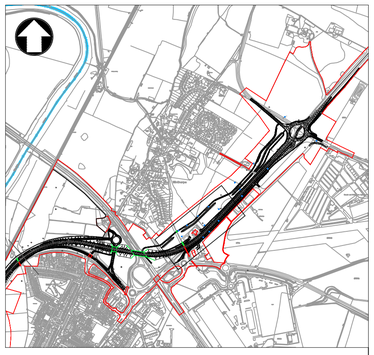

KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

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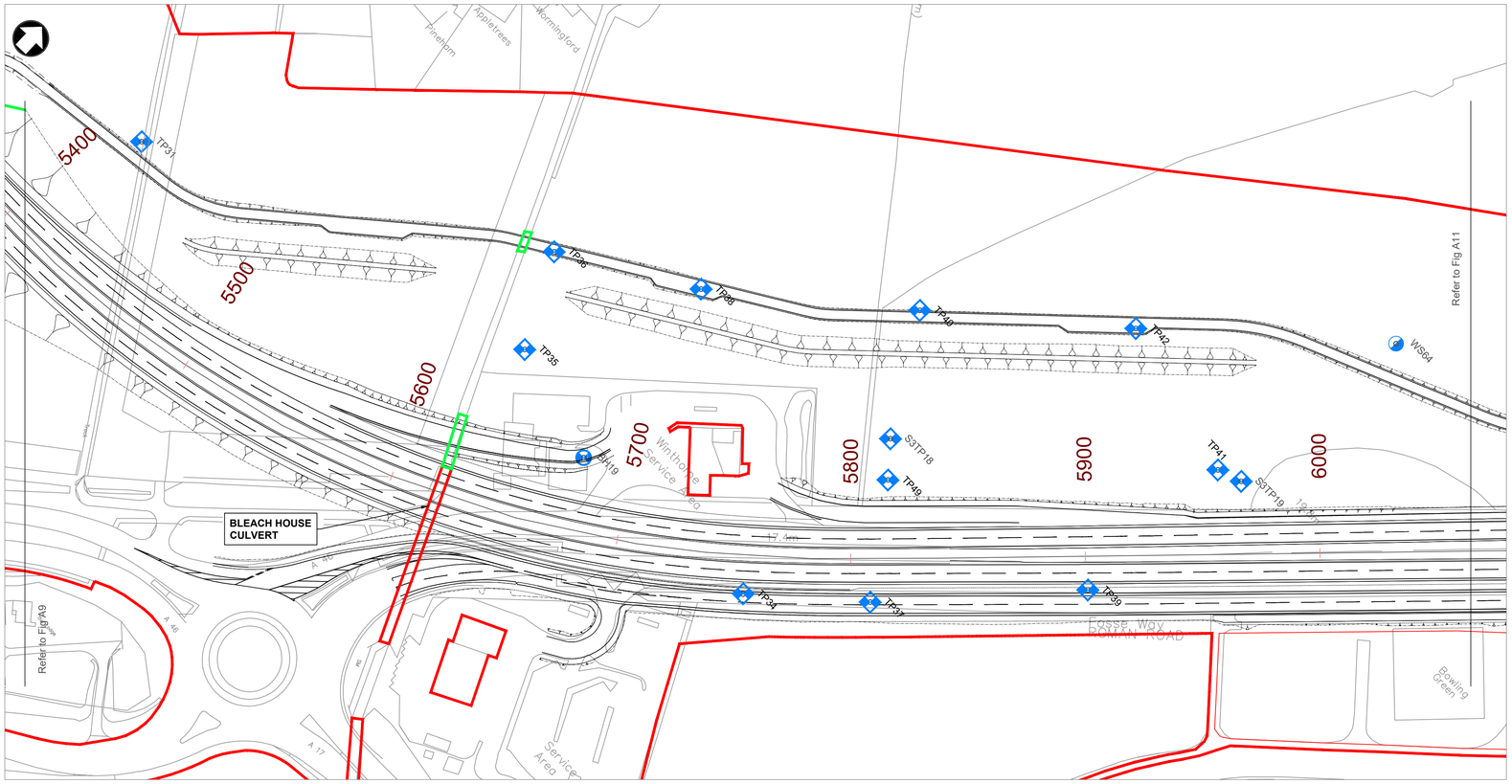
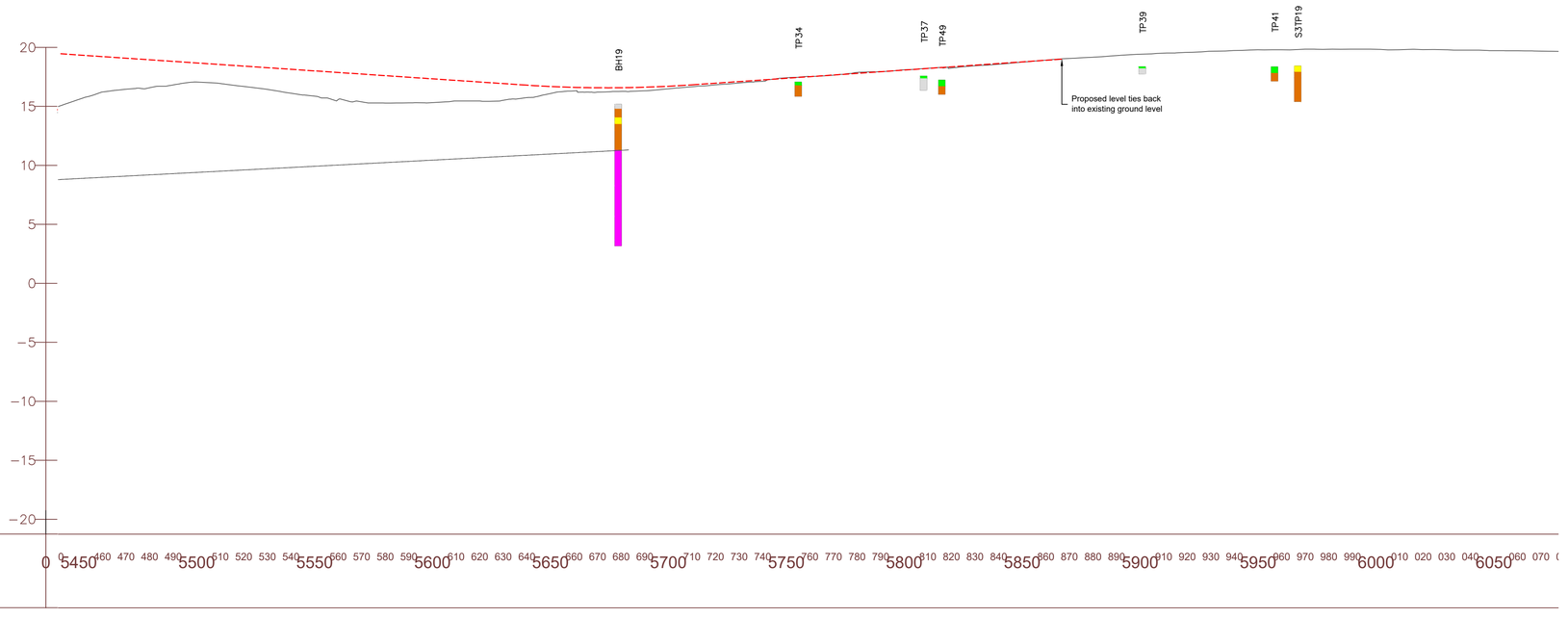


PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m

1:1250 0 62.5m 125m

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Geotechnical Plan & Section
Sheet 10 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D. Bracken	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN - | Originator | Volume - - | Location | Type | Role | Number Fig A10 - - - -

Project Ref. No.: HE551478

Revision: P03

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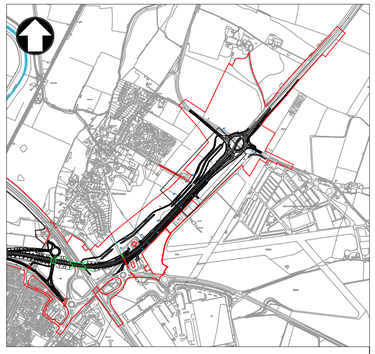


KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

- Borehole
- Window Sample
- Trial Pit
- CPT

Historical Ground Investigations (1978 & 1985)

- Borehole
- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

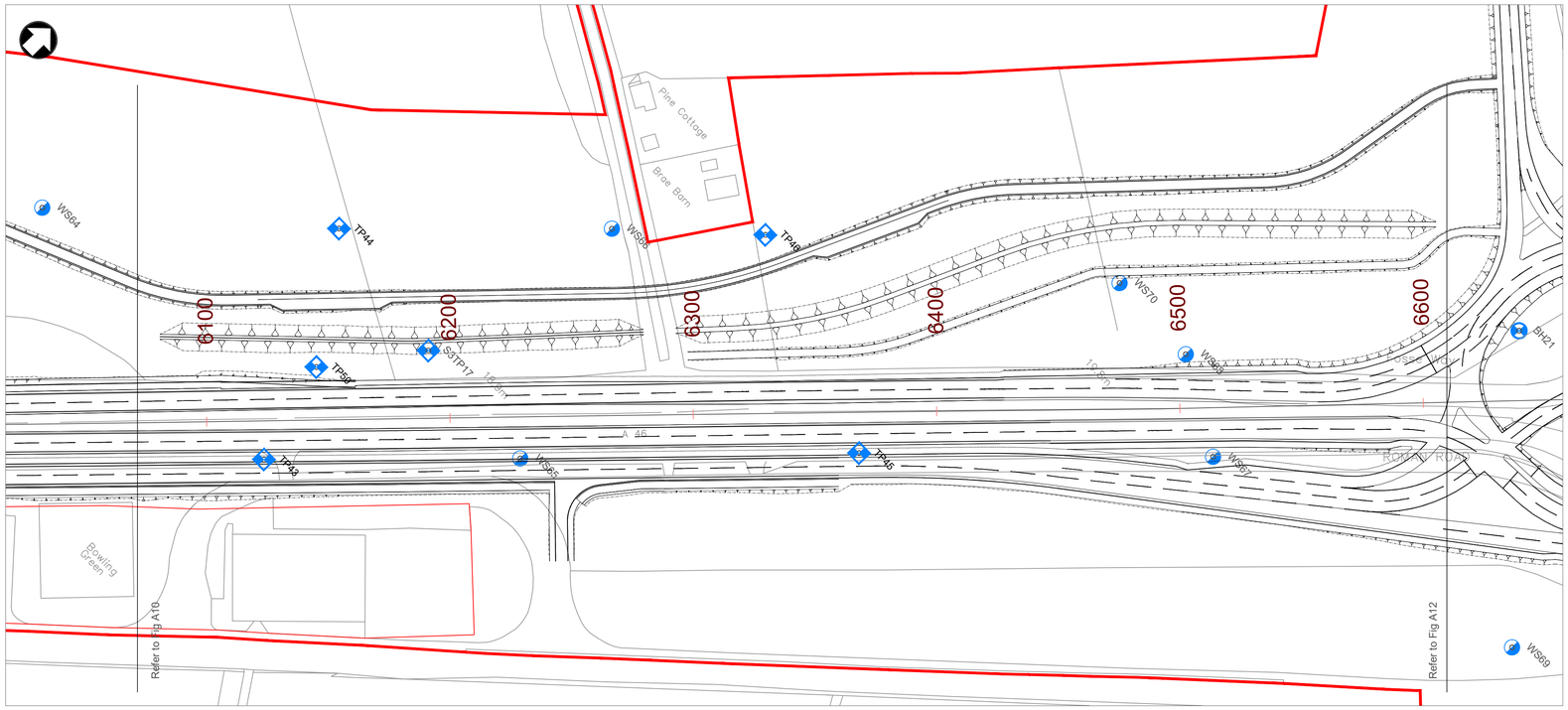
For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

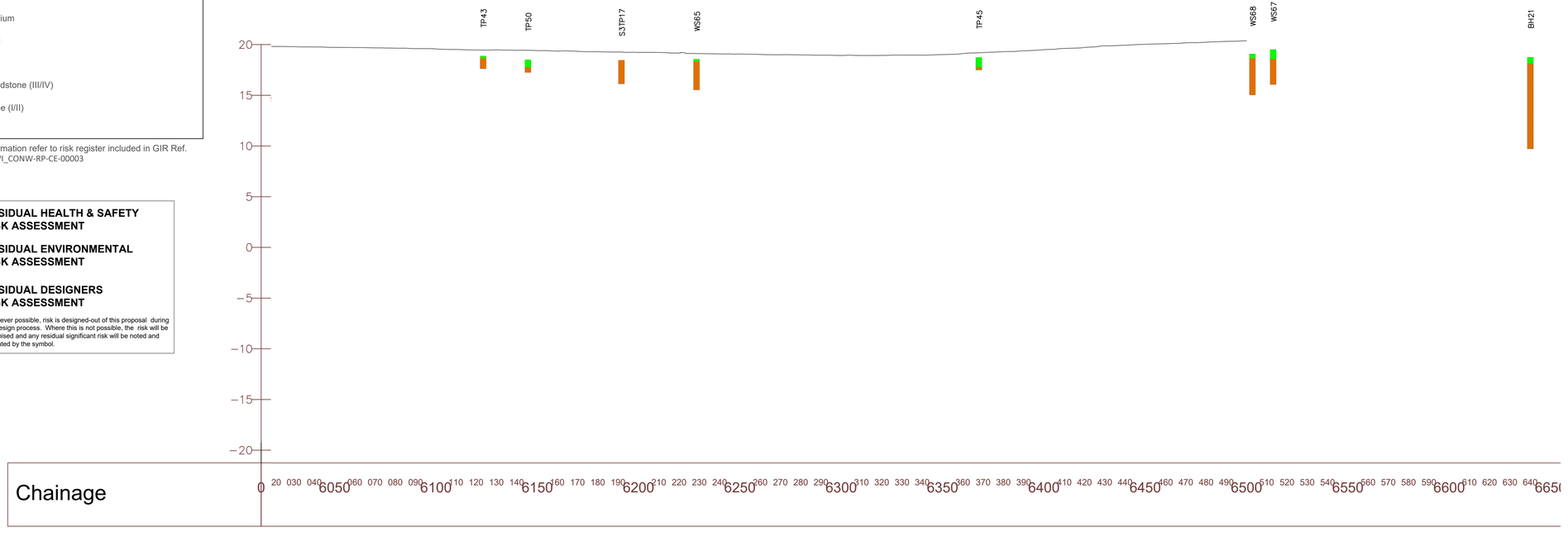
RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

Wherever possible, risk is designed-out of this proposal during the design process. Where this is not possible, the risk will be minimised and any residual significant risk will be noted and indicated by the symbol.



PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:1250 0 62.5m 125m

1:1250 0 62.5m 125m

Notes

1. The Geotechnical Figures should be read in conjunction with the:
   - Geotechnical investigation report which provides further clarity on site conditions and considerations detrmined through site investigation and historical records.
   - Highways drawings and specification which provide details on proposed and existing levels, required setting out information, drainage requirements and proposed initial designs.
   - Structural drawings, models and specifications.
2. The ground model and indicative areas of special measures presented on the drawings are presented for information only, based on interpretation of the exploratory holes historical data and undertaken exploratory holes.
3. For information on the existing A46 highways construction refer to A46/A17 Newark Relief Road Geotechnical Feedback Report, 1991
4. For information on existing services information refer to utility drawings.
5. All levels are measured and shown in metres unless stated otherwise.
6. All dimensions are measured in metres unless stated otherwise.
7. Drawings are to be viewed and printed in colour.

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P03	06/07/23	Isssue For Approval	DB	AC	AW
P02	19/05/23	Issue For Approval	DB	AC	AW
P01	28/03/23	Preliminary Issue	DB	AC	AW

SKANSKA
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MOTT MACDONALD
Mountbatten House
Grosvenor Square
Southampton
SO15 2JU
Tel : +44 (0)23 8062 8800
www.mottmac.com

Client: national highways

Drawing Status: Suitable for Information
Status: S2

Project Title: A46 Newark Bypass

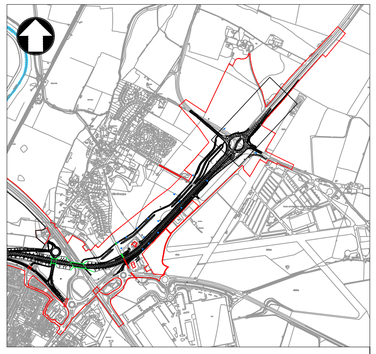
Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 11 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		P.Jones	A Cooper	A Willoner
Original Size	Date	Date	Date	Date
A1		27/09/22	27/09/22	28/03/23

Drawing Number: HE PIN - | Originator - | Volume - | Fig A11 - | Location - | Type - | Role - | Number -

Project Ref. No.: HE551478

Revision: P03



KEY PLAN SCALE 1:20000

Plan Key

A46 Newark Bypass - Existing

- Old Borrow Pit
- Existing Structure
- River Trent
- Made Ground
- Existing 6C Starter Layer
- Existing Granular Shear Key

A46 Newark Bypass

- Red Line Boundary
- Proposed Structure

Ground Investigations (2021-2023)

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- Trial Pit
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Historical Ground Investigations (1978 & 1985)

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- Window Sample
- Trial Pit

Profile Key

- Existing Ground Level
- New Proposed Road Level
- Top Soil
- Cohesive Alluvium
- Sand & Gravel
- No Recovery
- Weathered Mudstone (III/IV)
- Fresh Mudstone (I/II)

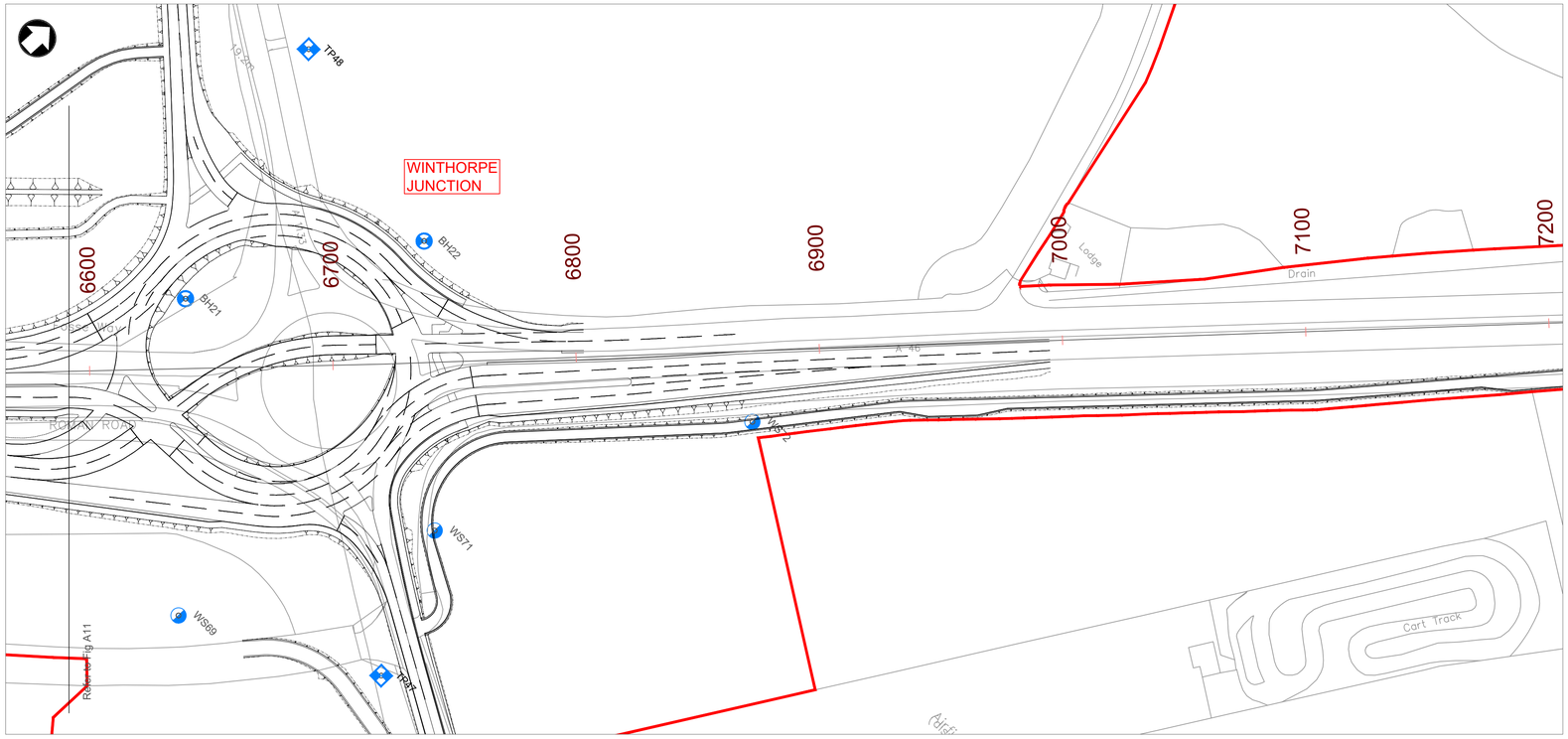
For Health and Safety information refer to risk register included in GIR Ref. HE551478-SKAG-VGT-CONWI_CONW-RP-CE-00003

RESIDUAL HEALTH & SAFETY RISK ASSESSMENT

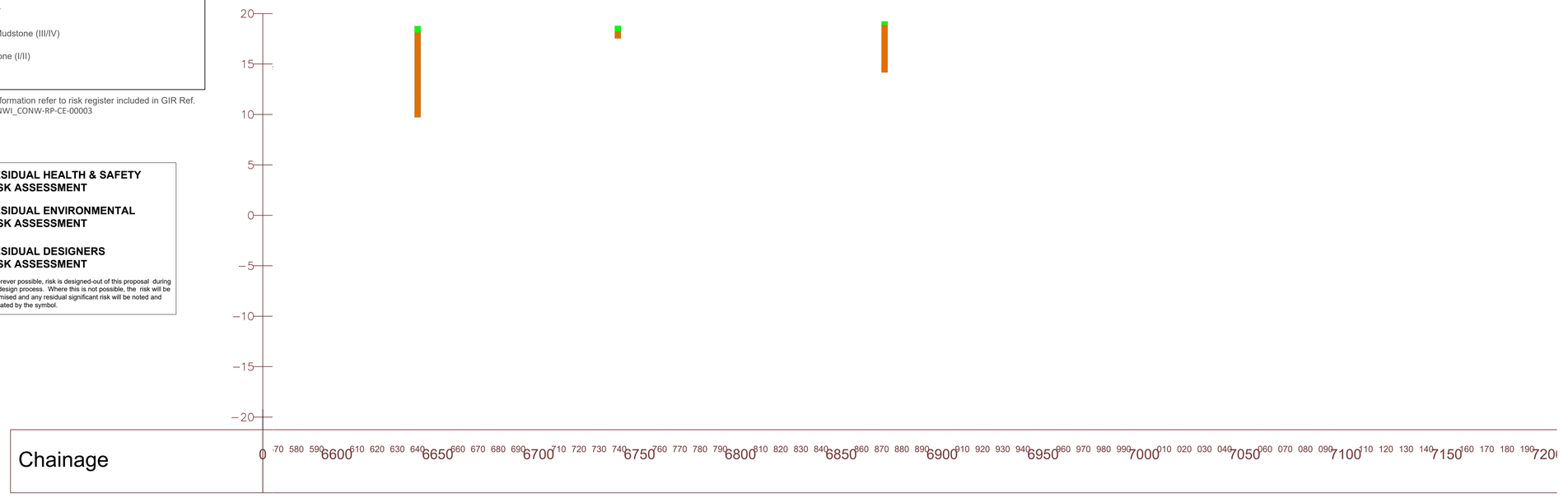
RESIDUAL ENVIRONMENTAL RISK ASSESSMENT

RESIDUAL DESIGNERS RISK ASSESSMENT

Wherever possible, risk is designed-out of this proposal during the design process. Where this is not possible, the risk will be minimised and any residual significant risk will be noted and indicated by the symbol.



PLAN
SCALE 1:1250 @ A1



PROFILE
SCALE V 1:1250 H 1:250 @ A1

1:250 0 12.5m 25m
1:1250 0 62.5m 125m

Notes

1. The Geotechnical Figures should be read in conjunction with the:
   - Geotechnical investigation report which provides further clarity on site conditions and considerations detrmined through site investigation and historical records.
   - Highways drawings and specification which provide details on proposed and existing levels, required setting out information, drainage requirements and proposed initial designs.
   - Structural drawings, models and specifications.
2. The ground model and indicative areas of special measures presented on the drawings are presented for information only, based on interpretation of the exploratory holes historical data and undertaken exploratory holes.
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4. For information on existing services information refer to utility drawings.
5. All levels are measured and shown in metres unless stated otherwise.
6. All dimensions are measured in metres unless stated otherwise.
7. Drawings are to be viewed and printed in colour.

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P03	06/07/23	Issue For Approval	DB	AC	AW
P02	19/05/23	Issue For Approval	DB	AC	AW
P01	28/03/23	Preliminary Issue	DB	AC	AW

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Mountbatten House
Grosvenor Square
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SO15 2JU
Tel : +44 (0)23 8062 8800
www.mottmac.com

Client: national highways

Drawing Status	Status
Suitable for Information	S2

Project Title: A46 Newark Bypass

Drawing Title: A46 Newark Bypass
Geotechnical Plan & Section
Sheet 12 of 12

Scale	Designed	Drawn	Checked	Approved
As Shown		D Bracken	A Cooper	A Willoner
Original Size	**Date**	**Date**	**Date**	**Date**
A1		28/03/23	28/03/23	28/03/23

Drawing Number: HE PIN | Originator | Volume
Fig A12 - - -
Location | Type | Role | Number
- - -

Project Ref. No.: HE551478

Revision: P03

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Appendix B Scheme GA Drawing

Notes

1. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE PLAN AND PROFILE DRAWINGS (HE551478-SKAG-HGN-CONWI_CONW-DR-CH-00051 TO 00055 AND 00151 TO 155)
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS, CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. LANDSCAPE DESIGN PROPOSALS AS SHOWN ON THIS DRAWING HAVE BEEN PROVIDED FOR ADDITIONAL CONTEXT ONLY. FOR FULL LANDSCAPE DETAILS PLEASE REFER TO THE ENVIRONMENTAL MASTERPLAN.
5. TEXT ABBREVIATIONS:
'WCH' - WALKING, CYCLING & HORSE-RIDING.
'PROW' - PUBLIC RIGHT OF WAY.

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P01	16/05/23	Design Fix 3C	RC	JB	---
P02	03/07/23	FOR INFORMATION	RC	JS	---

Project's Promoter: national highways

Supported by: SKANSKA, MOTT MACDONALD

Drawing Status	Status
Suitable for Information	S2

Project Title: A46 Newark Bypass

Drawing Title: GENERAL ARRANGEMENT - OVERVIEW

Scale	Designed	Drawn	Checked	Approved
1:2500		R.Cagney	J.Sarjant	---

Original Size	Date	Date	Date	Date
N/A	03/07/23	03/07/23	03/07/23	---

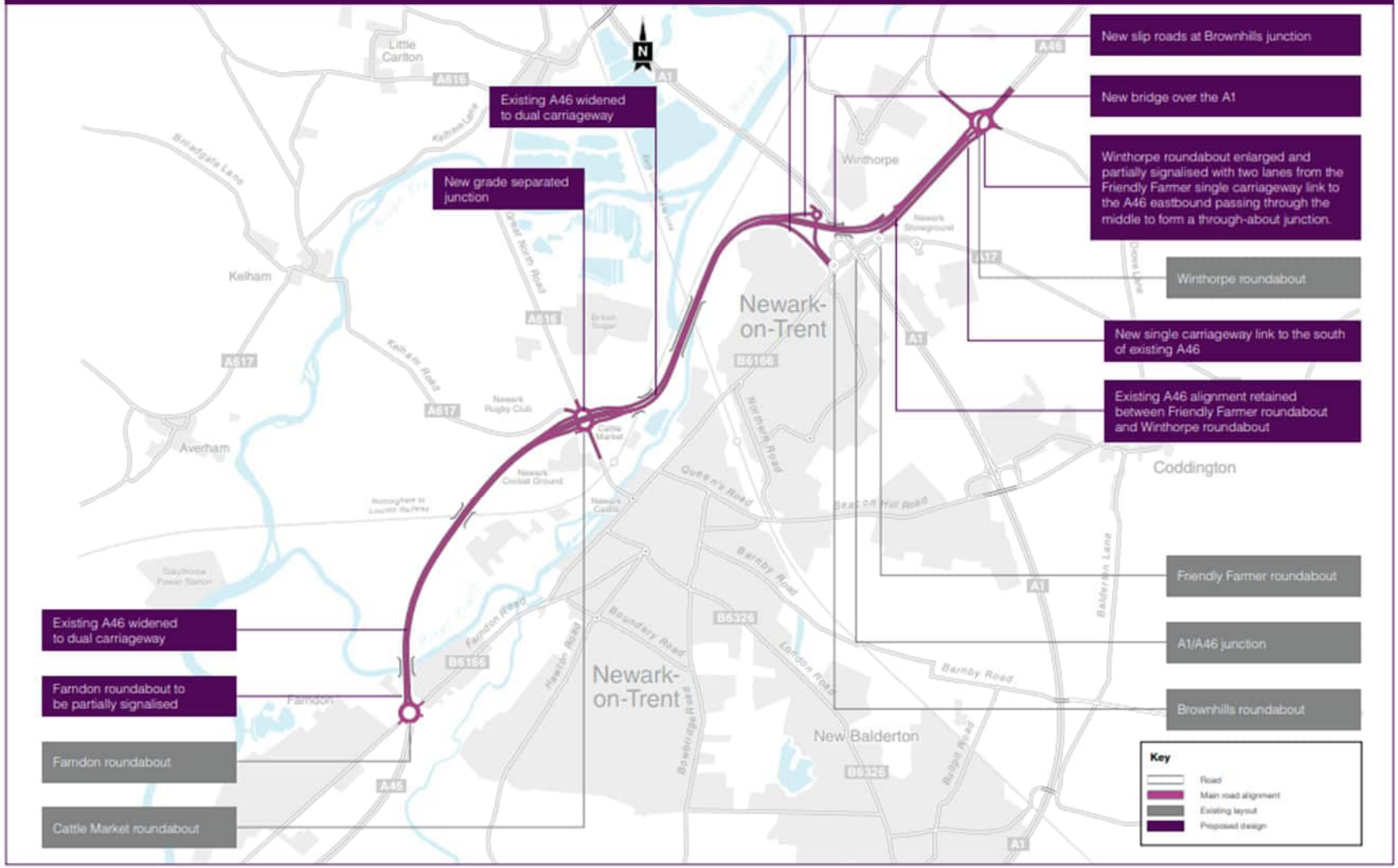
Drawing Number: HE551478 - SKAG - HGN - CONWI_CONW - DR - CH - 00100
(HE PIN | Originator | Volume | Location | Type | Role | Number)

Project Ref. No.: HE551478

Revision: P02

Appendix C Scheme Route Overview

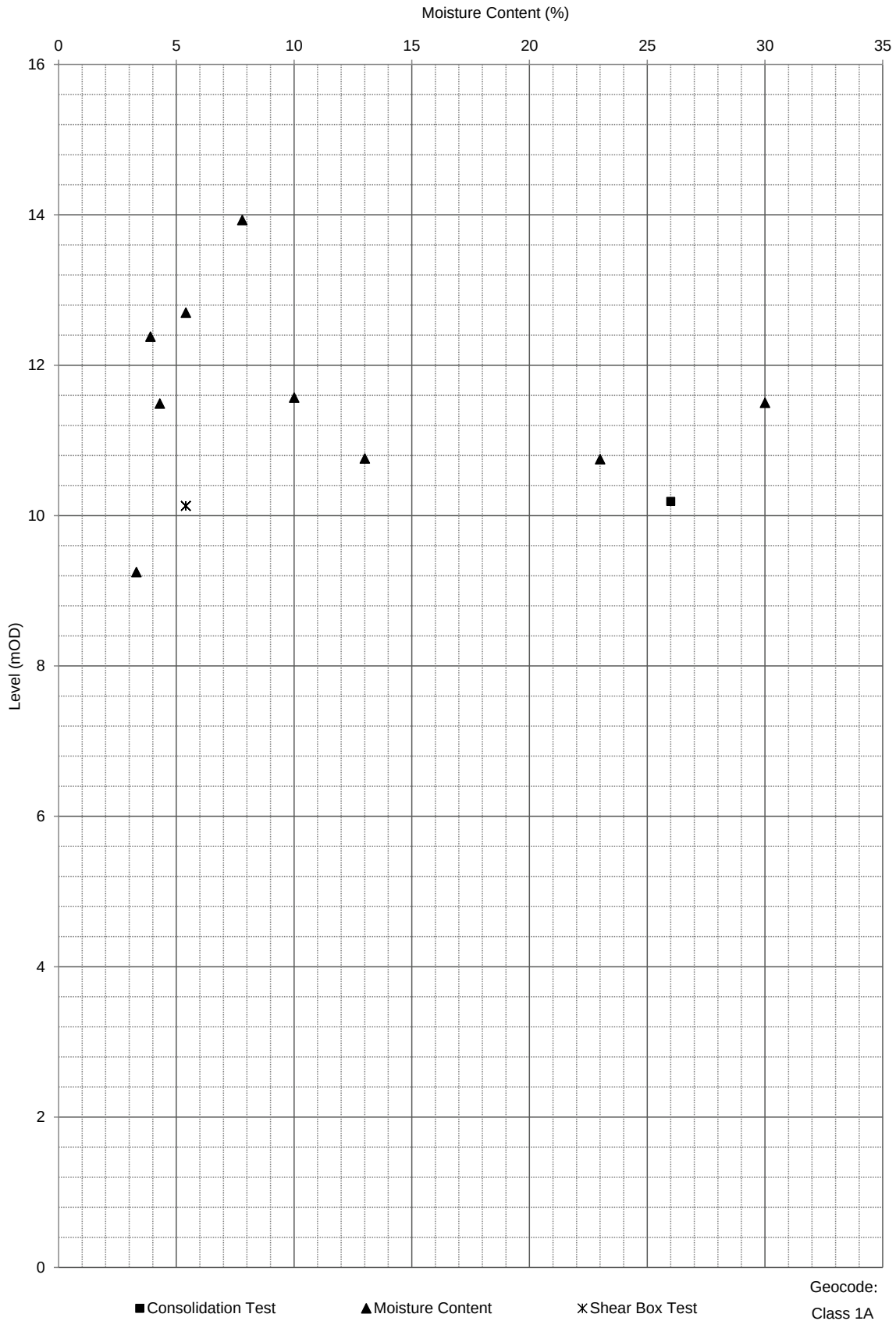
Scheme route overview



Appendix D Geotechnical Plots

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.1.1

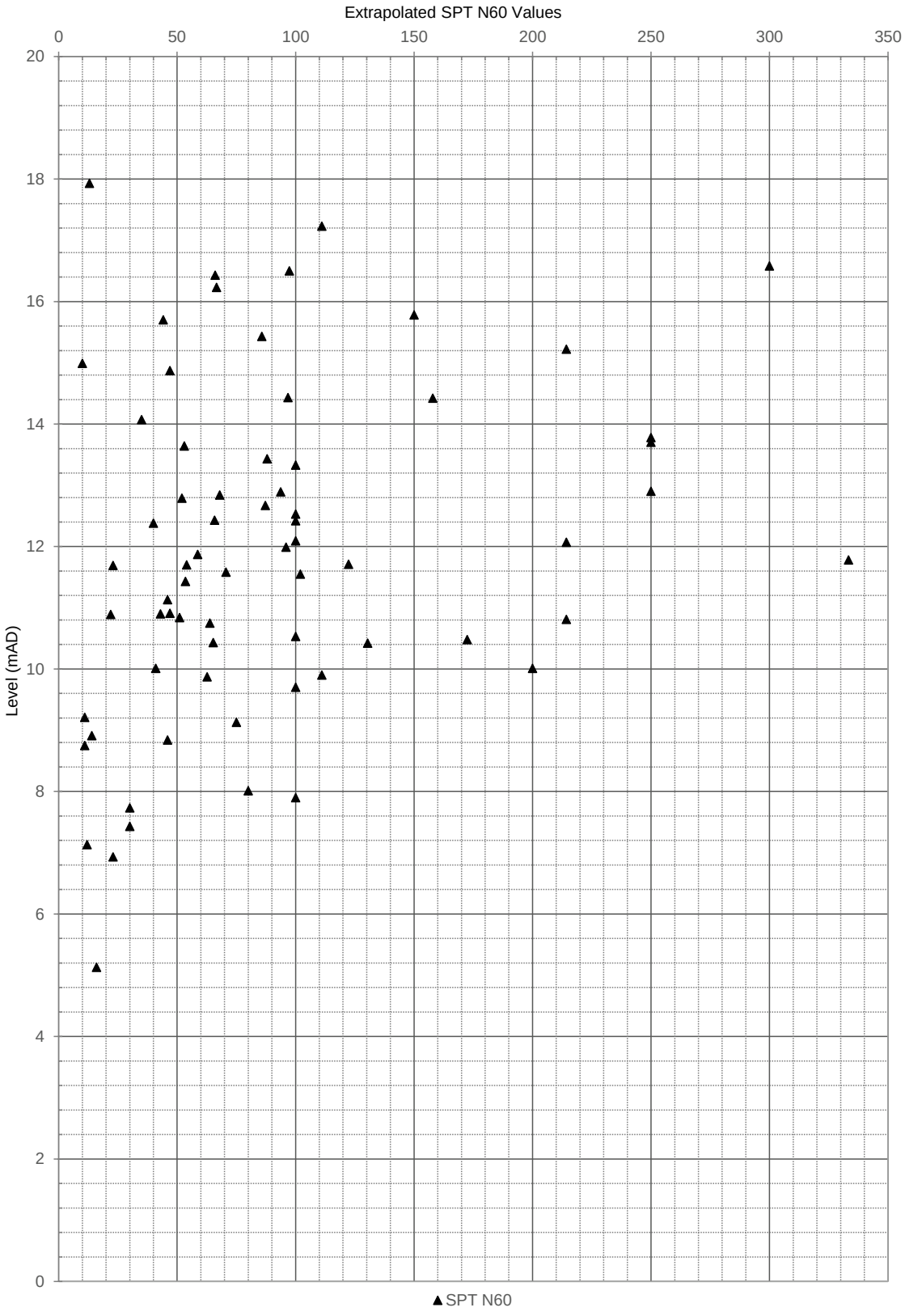
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level (with extrapolated values)	Figure No. D.1.2

Project ID:	**100103345**	Project Title: **A46 Newark Bypass**	Drawn By: **AC**
			Client: **Skanska**

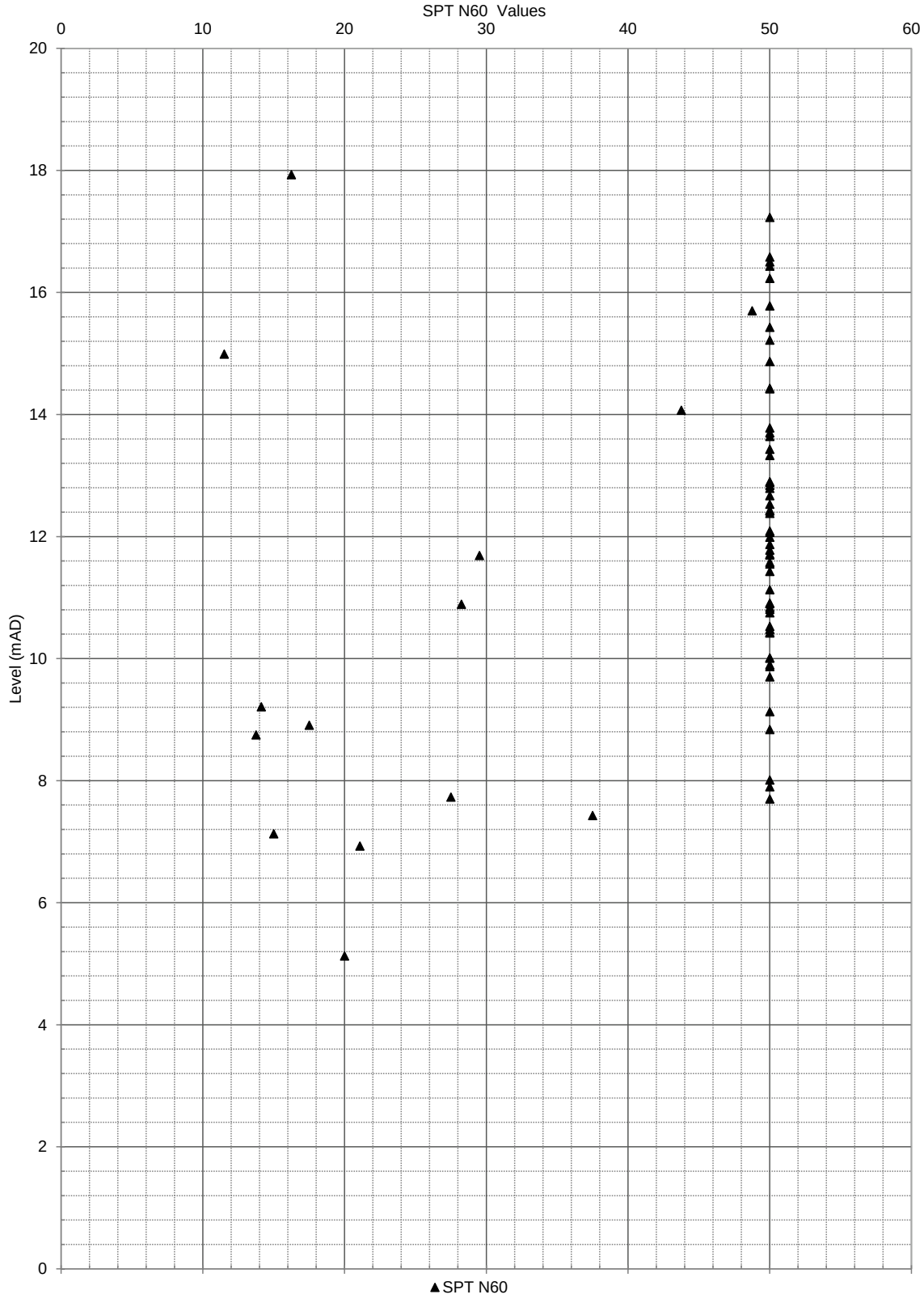


Geocode Class 1A

Date:	**June 2023**	Remarks/Notes: Extrapolated N60 values are shown for construction use.
Data Status:	**Final**	

MOTT MACDONALD	SPT N_{60} Value vs Level	Figure No.
		D.1.3

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

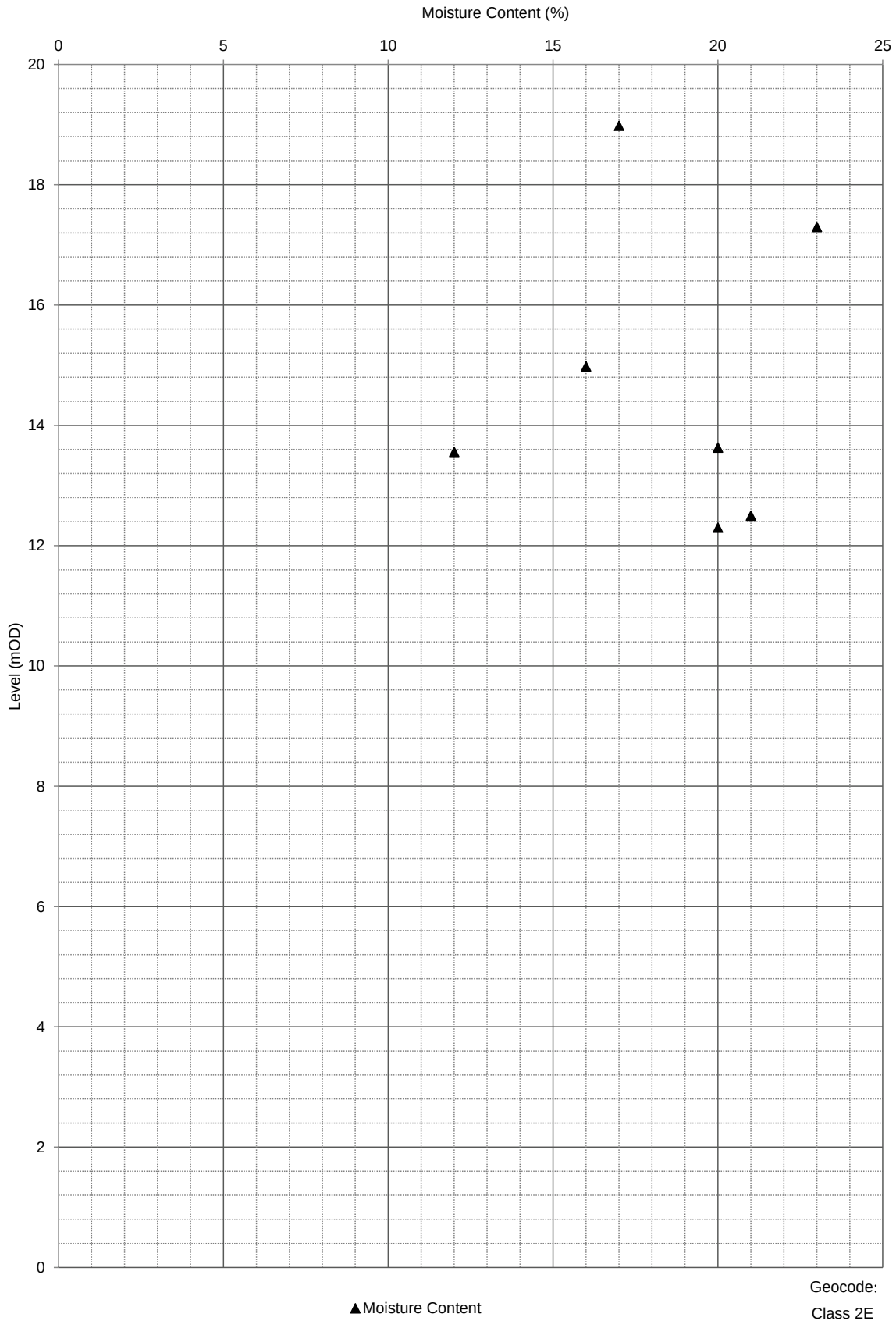


Geocode Class 1A

Date:	Jul-23	Remarks/Notes: SPT N60 values shown on plot have been limited to a maximum value of 50 and have been used to calculate averages for parameter derivation.
Data Status:	Final	

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.2.1

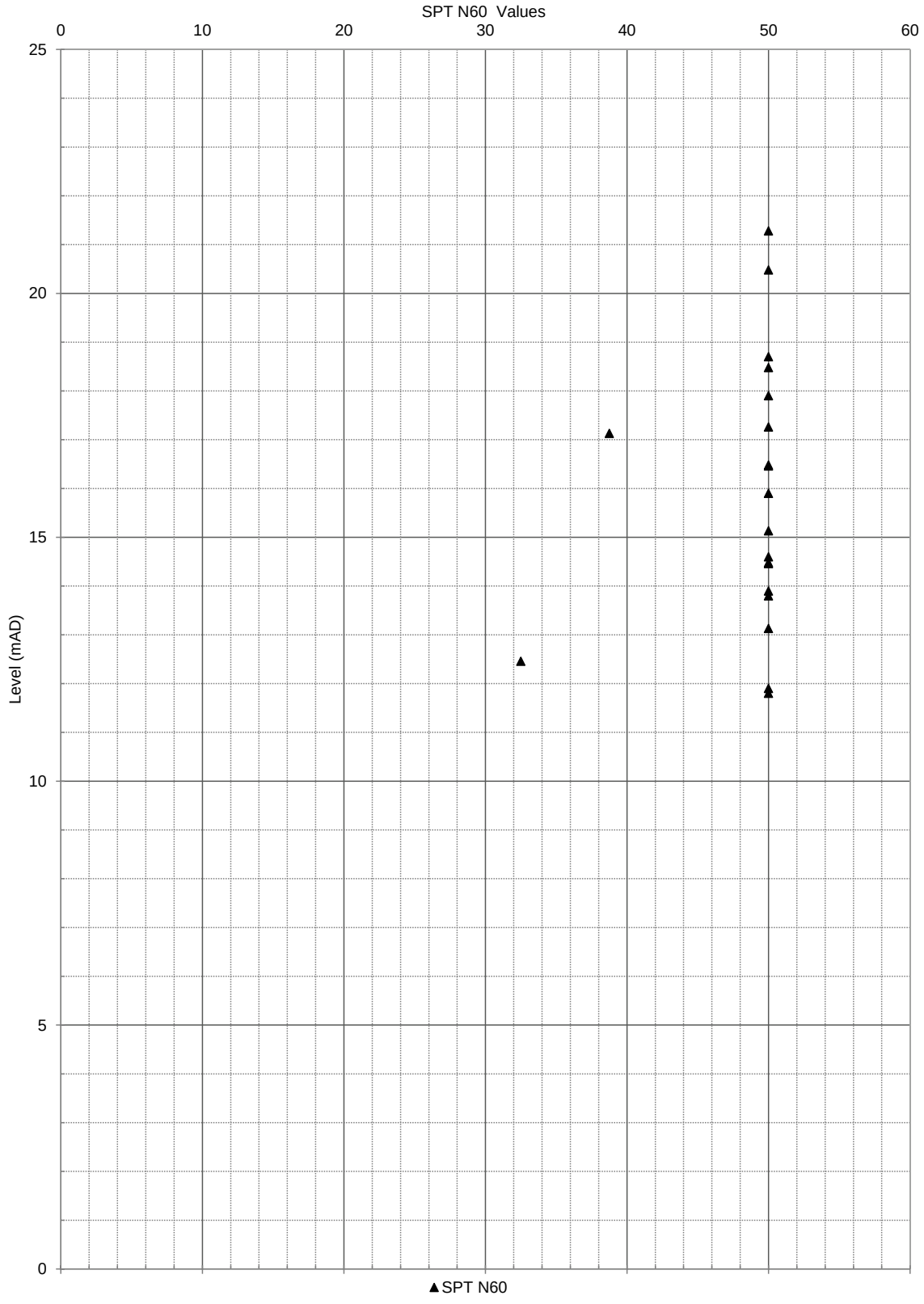
Project ID: **100103345**	Project Title:	**A46 Newark Bypass**	Drawn By: **AC**
			Client: **Skanska**



Date:	**June 2023**	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level	Figure No. D.2.2

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

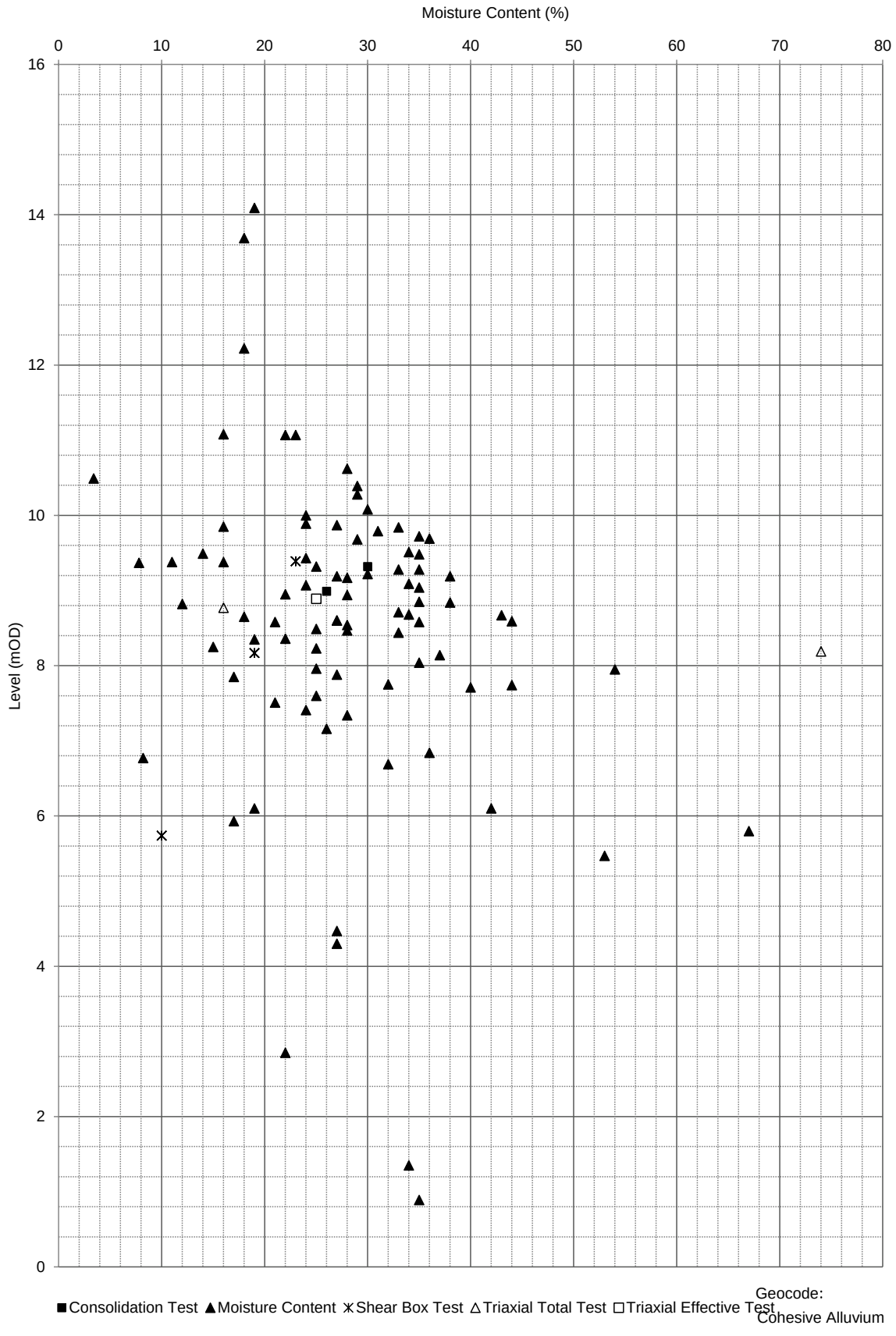


Geocode Class 2E

Date:	Jul-23	Remarks/Notes: SPT N60 values shown on plot have been limited to a maximum value of 50 and have been used to calculate averages for parameter derivation.
Data Status:	Final	

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.3.1

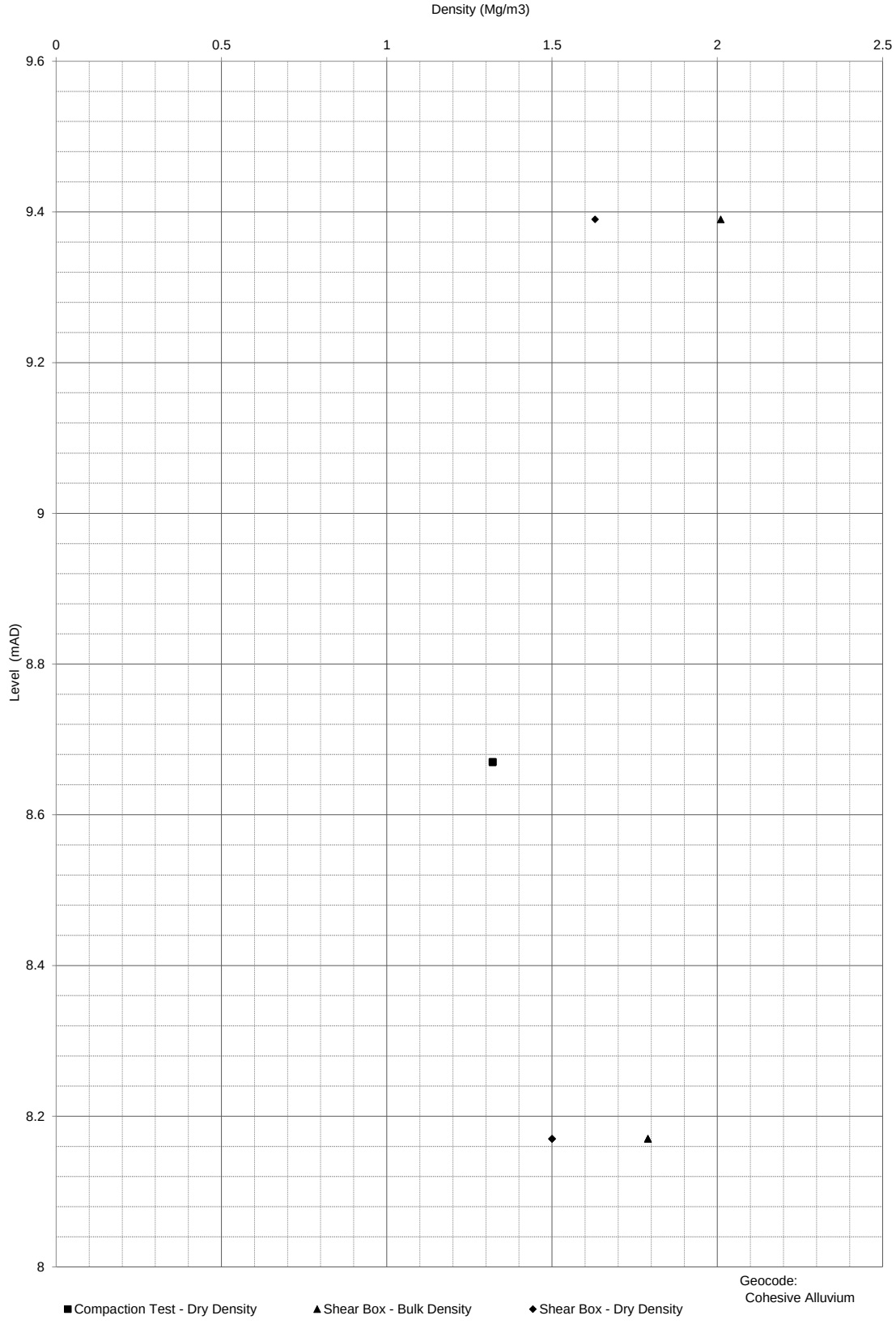
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	Combined Bulk and Dry Density vs Level	Figure No. D.3.2

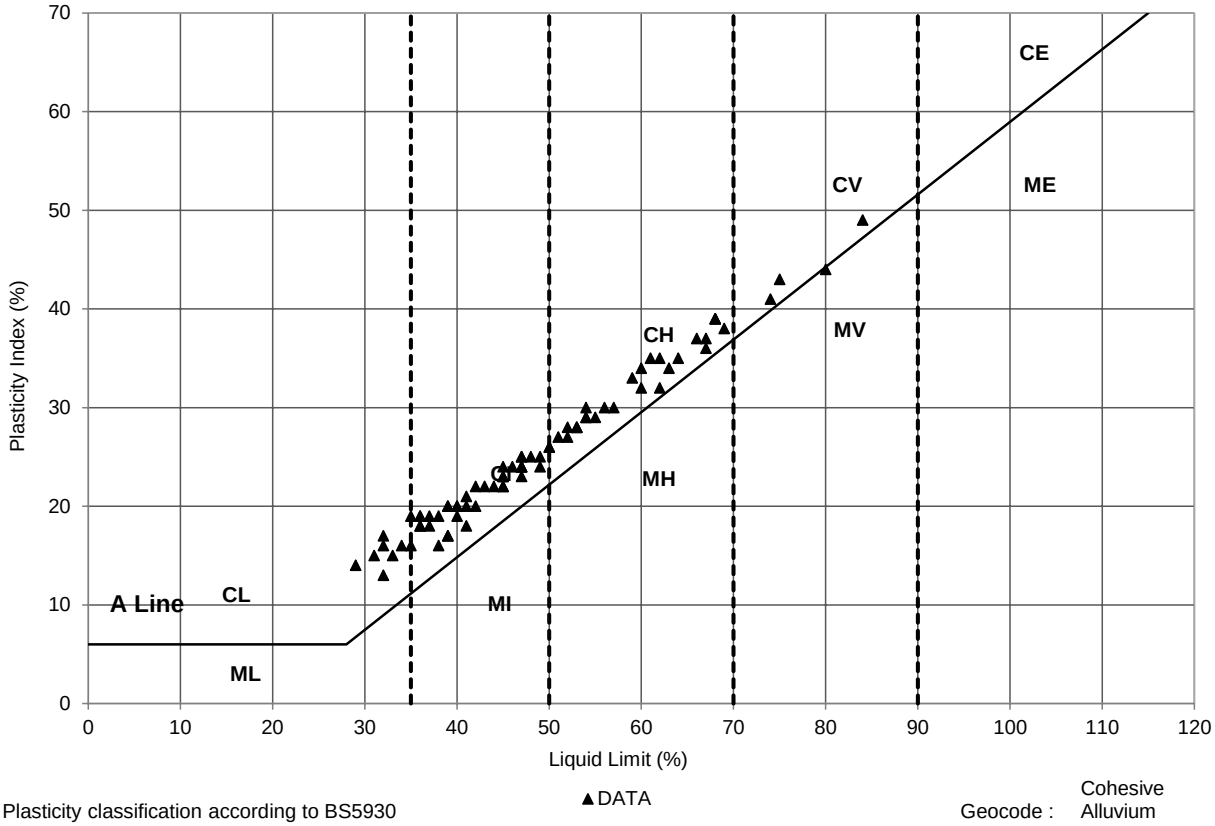
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	Jun-23	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	Plasticity Chart	Figure No. D.3.3

Project ID:	**100103345**	Project Title: **A46 Newark Bypass**	Drawn By: **AC**
			Client: **Skanska**



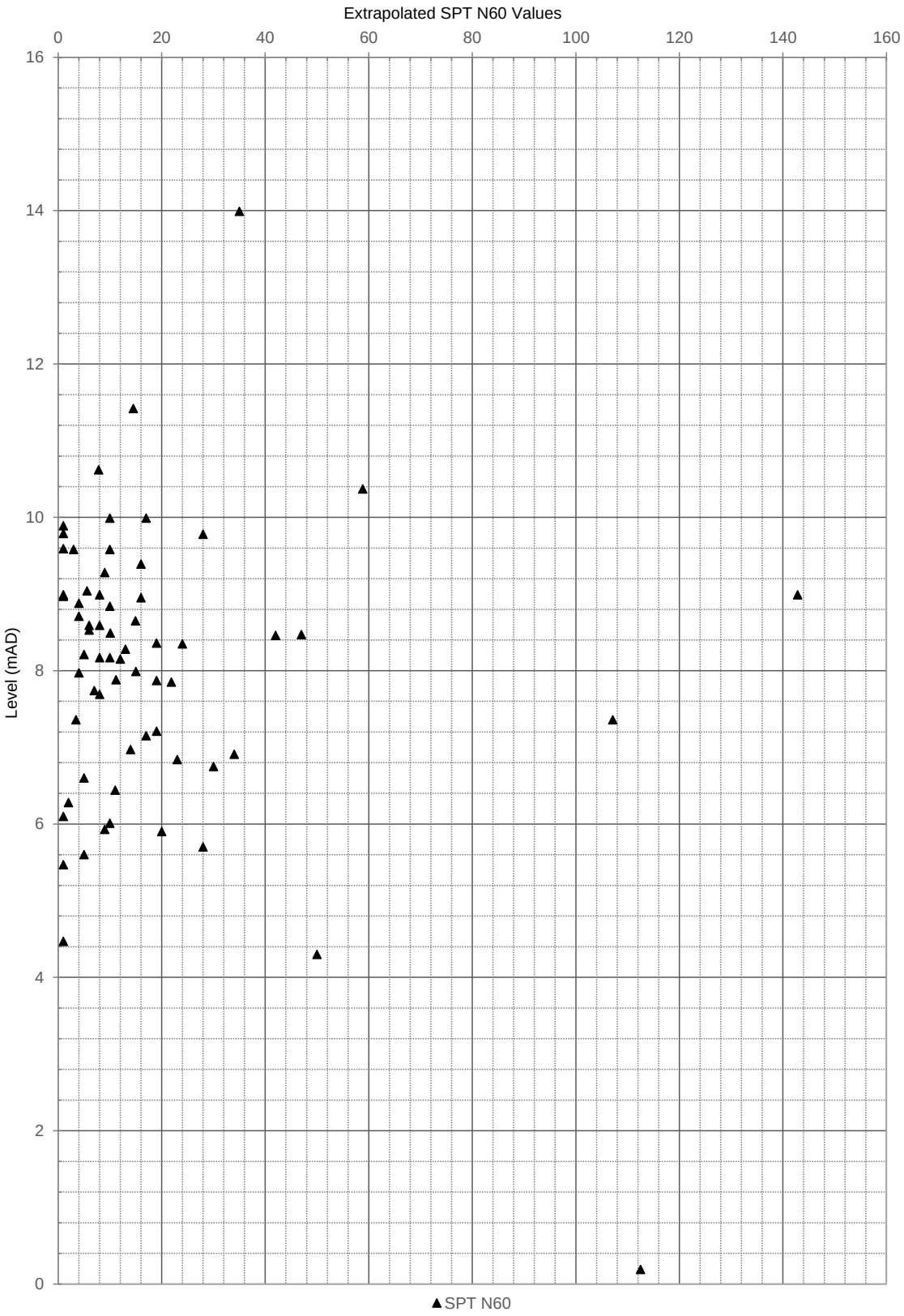
Plasticity classification according to BS5930

Geocode : Cohesive Alluvium

Date:	**June 2023**	Remarks/Notes:
Data Status:	**Final**	

MOTT MACDONALD	SPT N_{60} Value vs Level (with extrapolated values)	Figure No. D.3.4

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

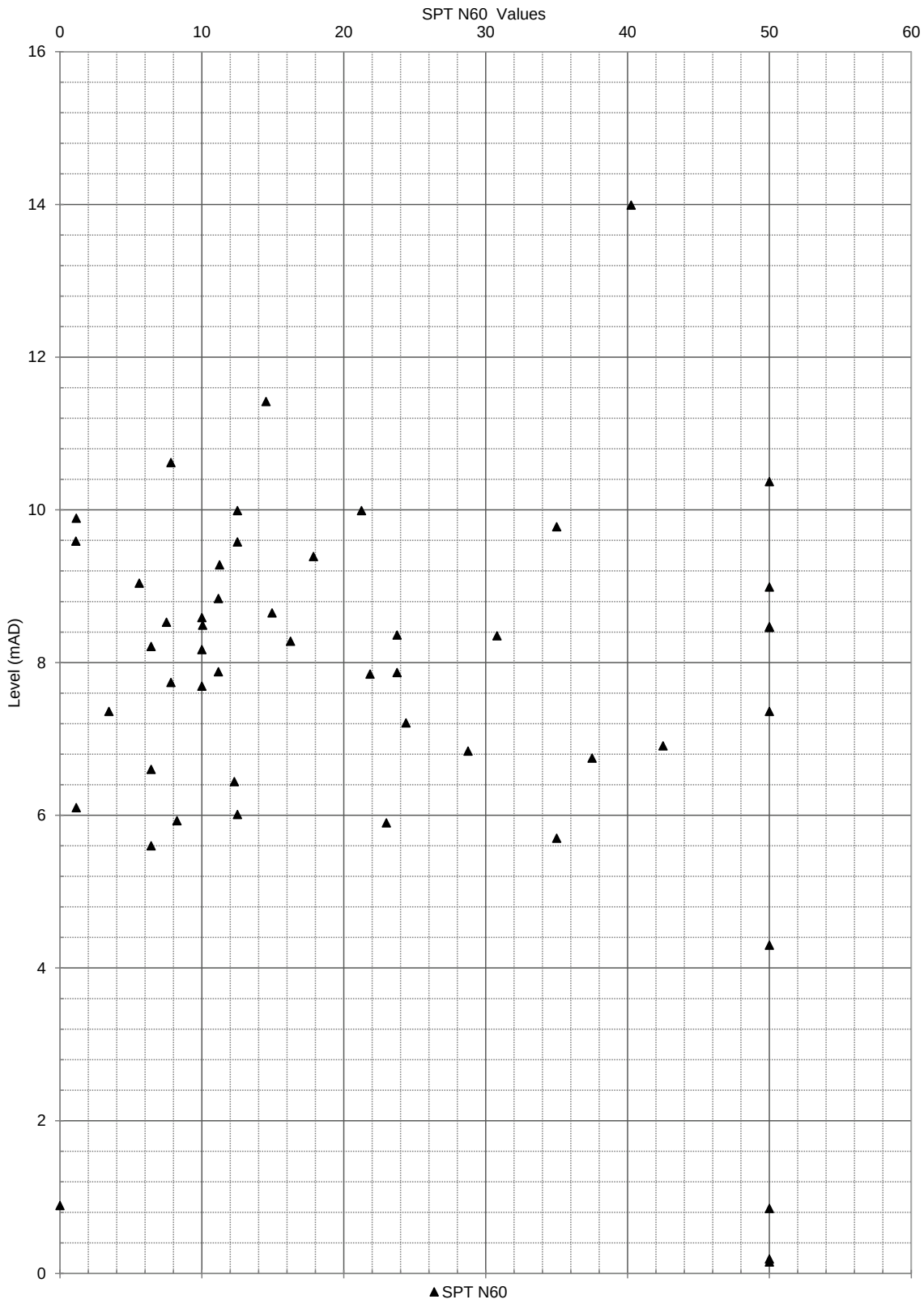


Geocode Cohesive Alluvium

Date:	July 2023	Remarks/Notes: Extrapolated N60 values are shown for construction use.
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level	Figure No.
		D.3.5

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

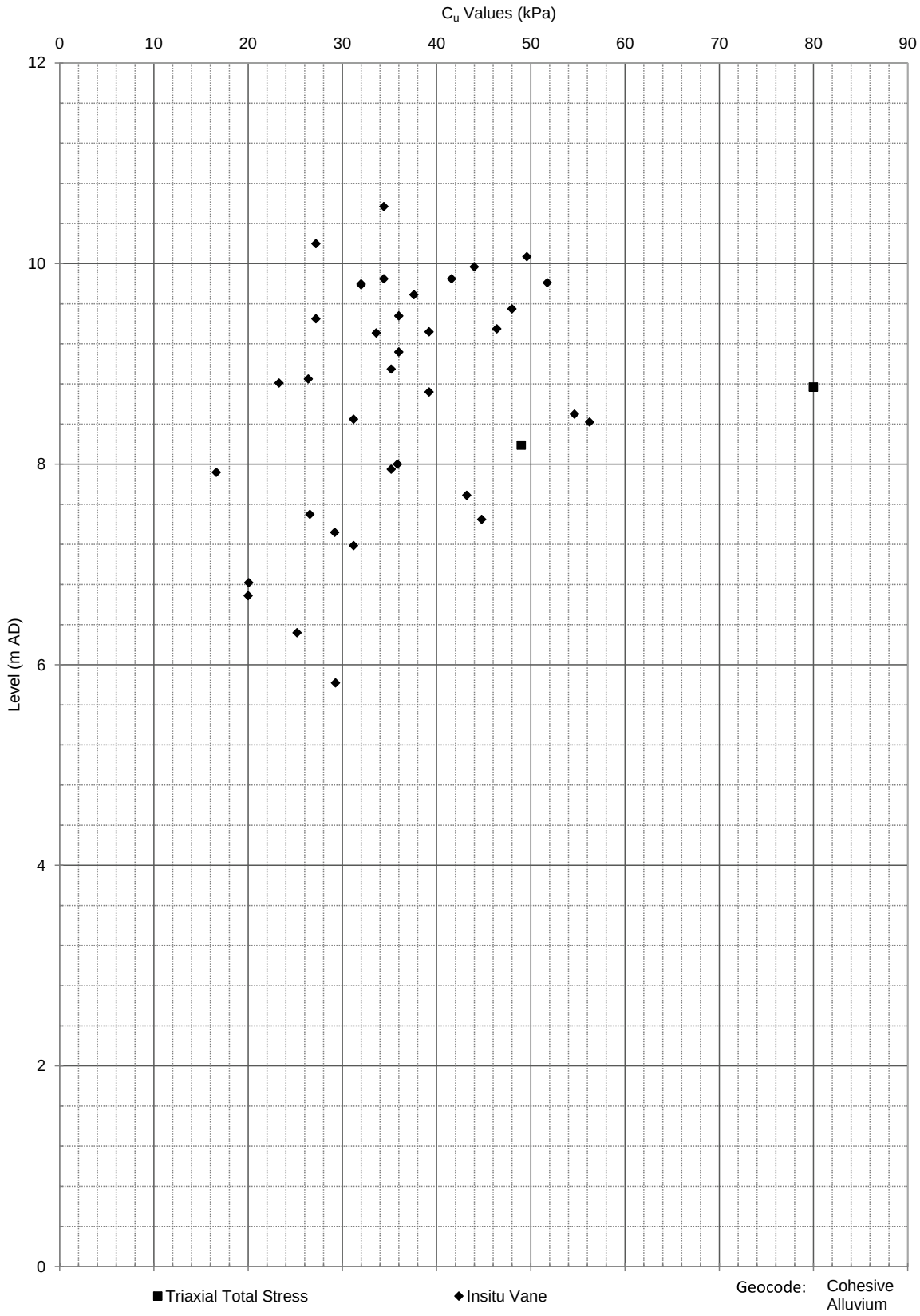


Geocode Cohesive Alluvium

Date:	Jul-23	Remarks/Notes: SPT N60 values shown on plot have been limited to a maximum value of 50 and have been used to calculate averages for parameter derivation.
Data Status:	Final	

MOTT MACDONALD	Undrained Shear Strength (C_u) vs Level	Figure No. D.3.6

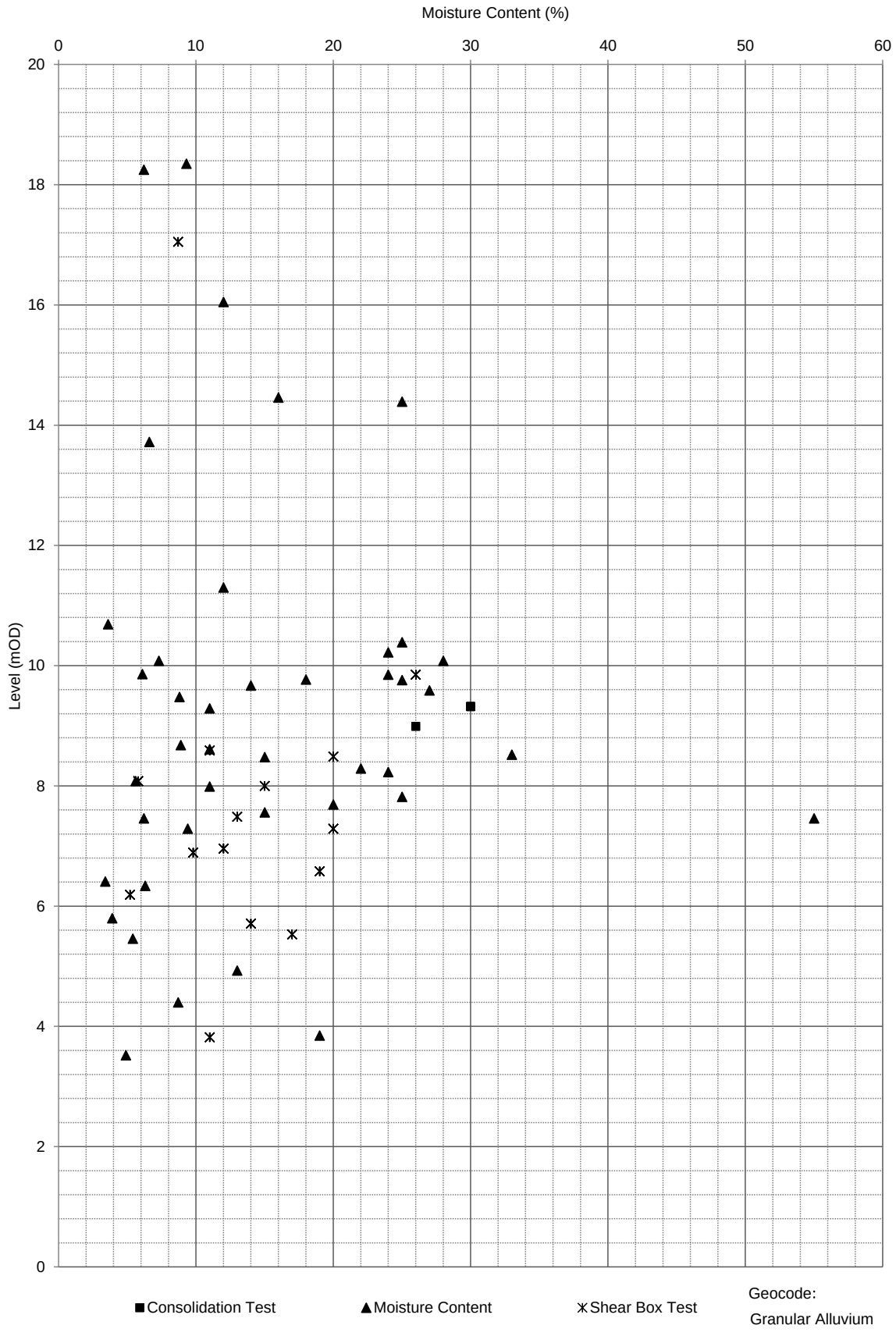
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes: Graph shows undrained shear strength from lab test results. No correlations have been used to determine undrained shear strength.
Data Status:	Final	

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.4.1

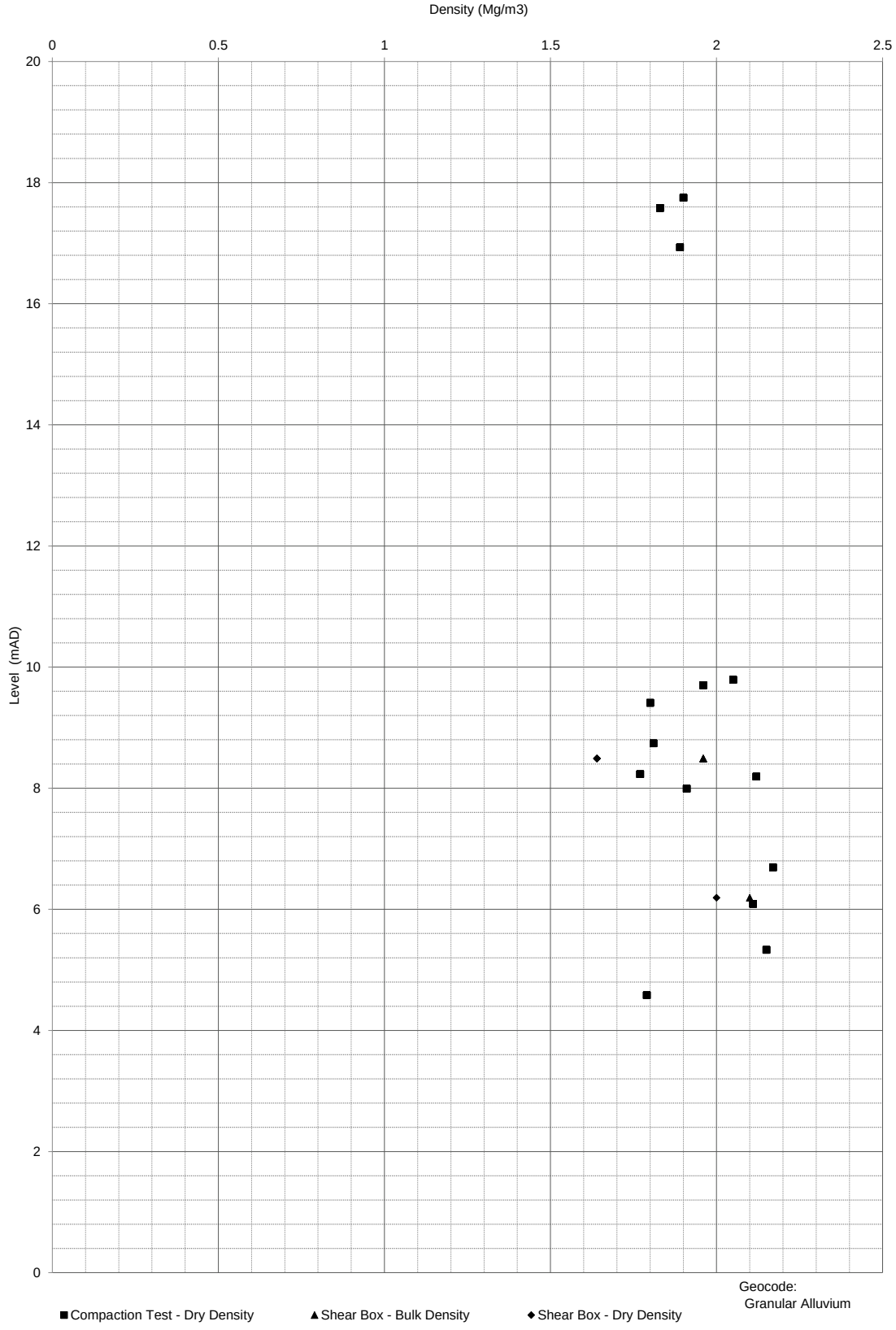
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	Combined Bulk and Dry Density vs Level	Figure No. D.4.2

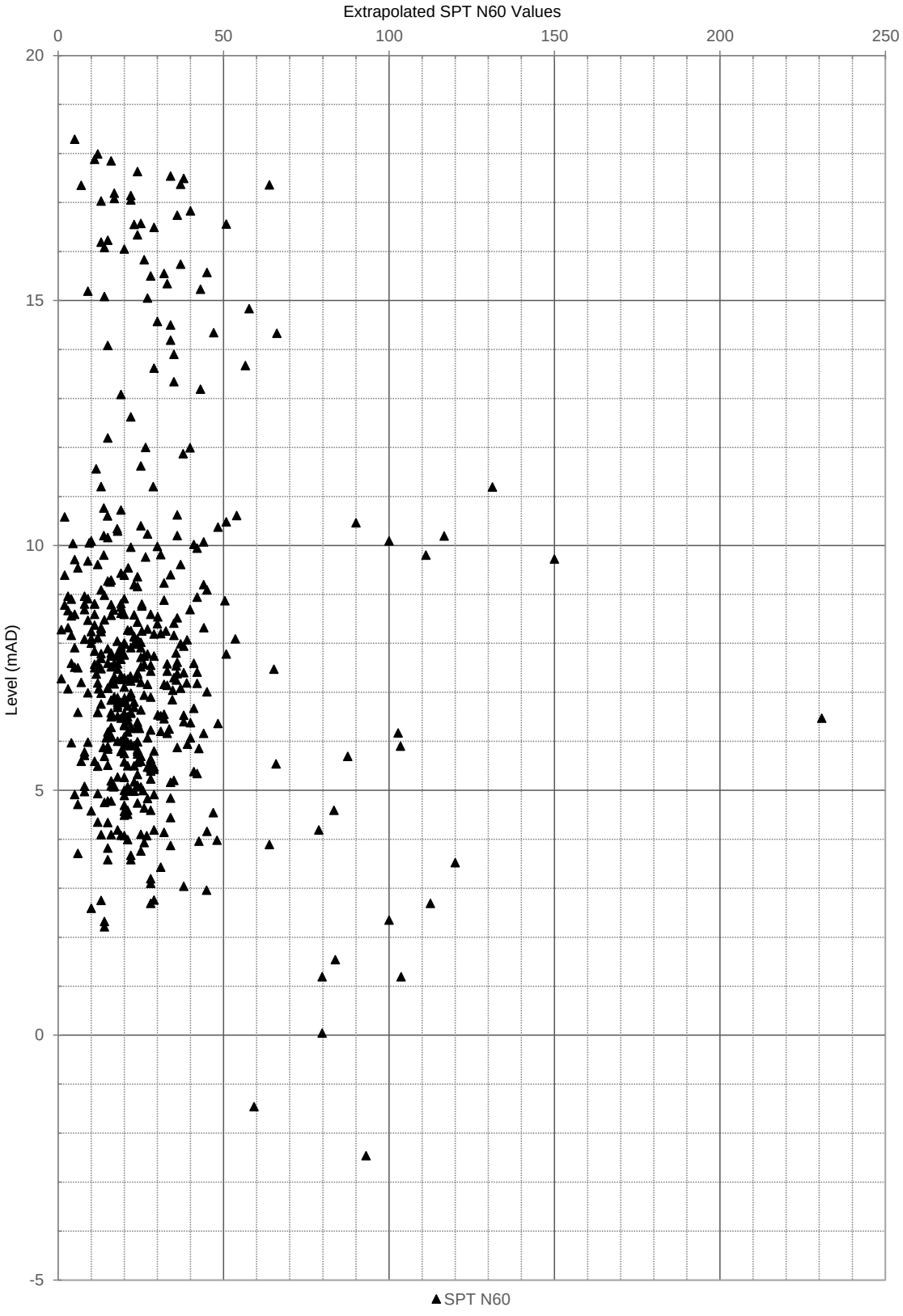
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	Jun-23	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level (with extrapolated values)	Figure No. D.4.3

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

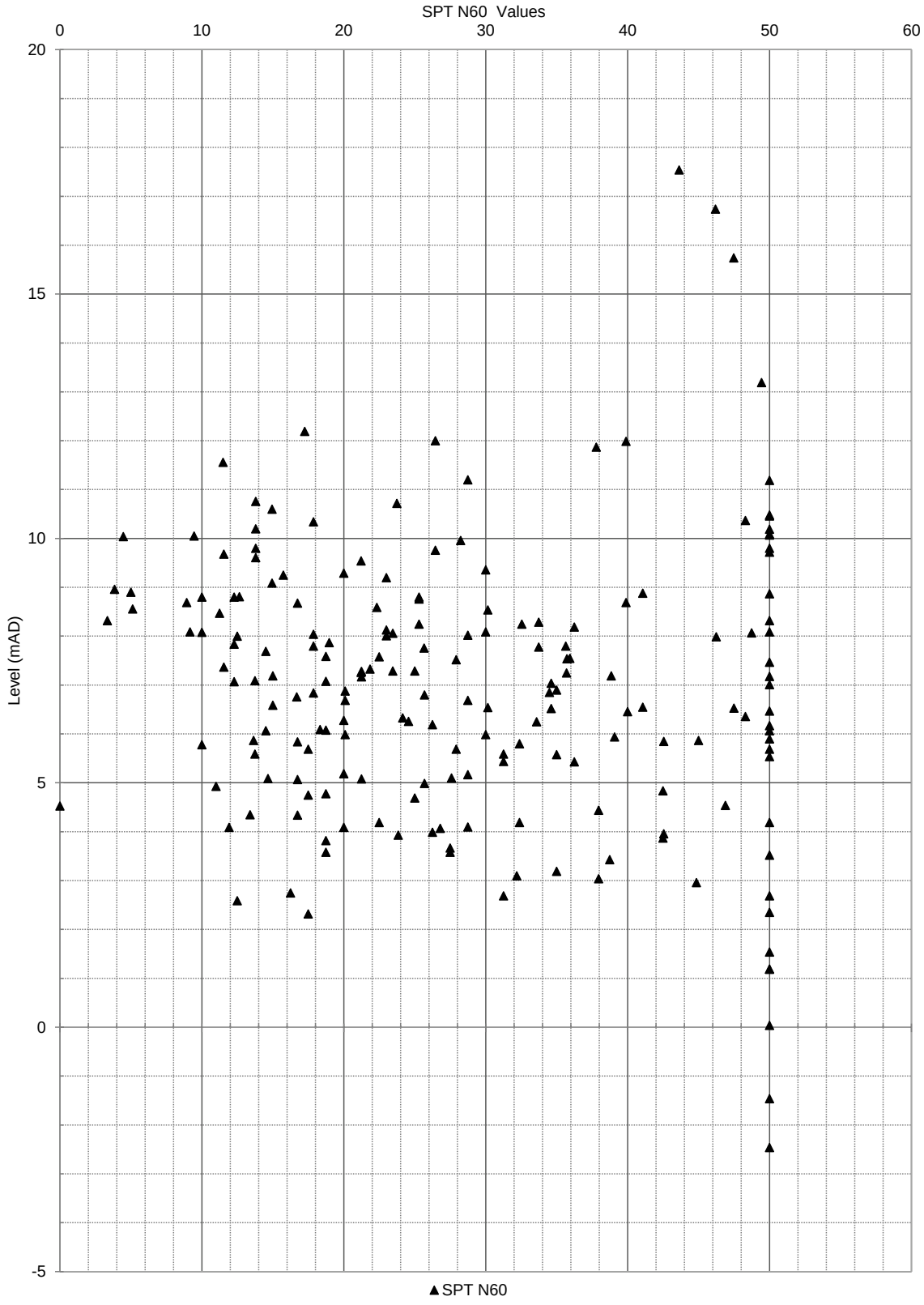


Geocode Granular Alluvium

Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level	Figure No.
		D.4.4

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska

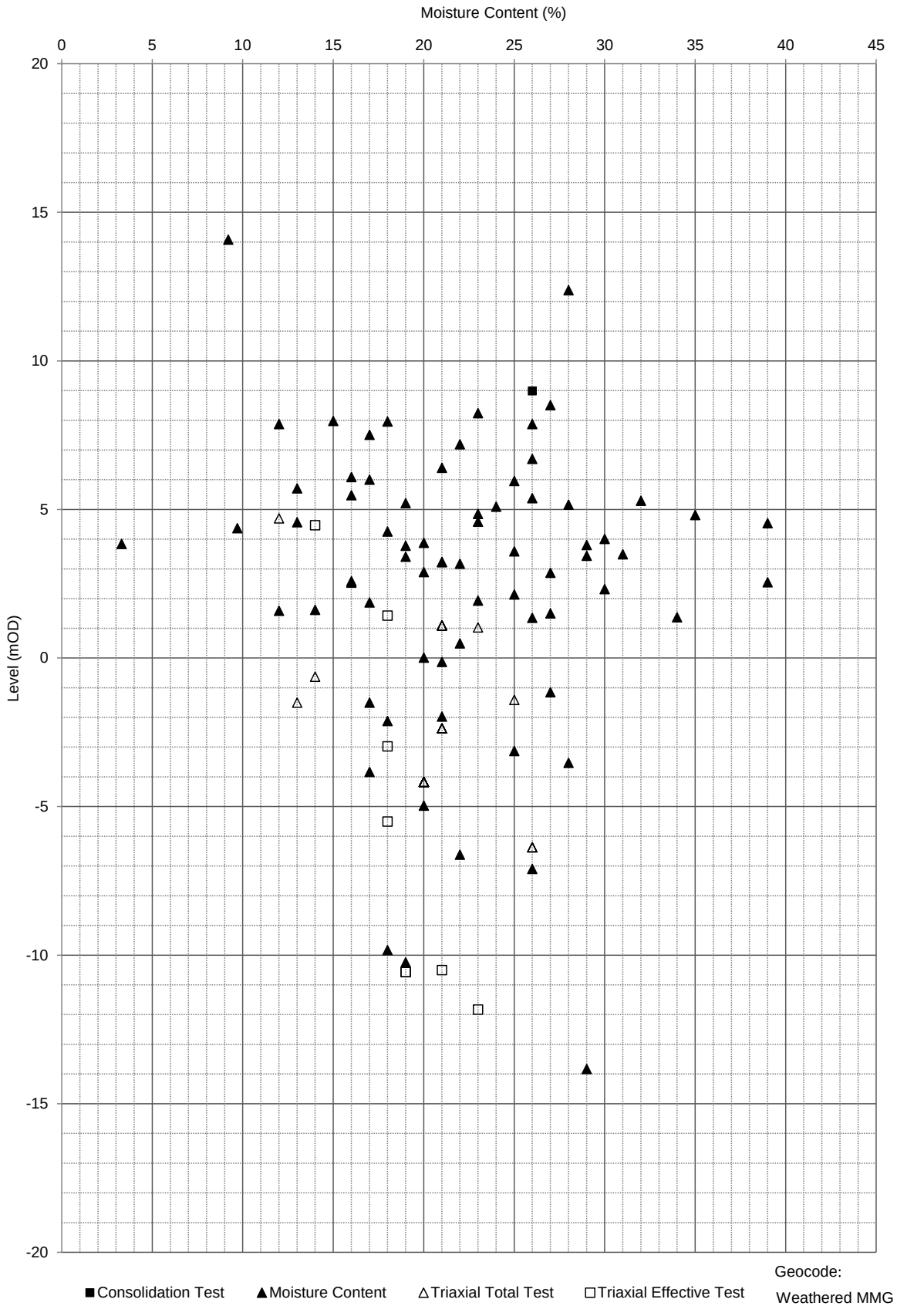


Geocode Granular Alluvium

Date:	Jul-23	Remarks/Notes: SPT N60 values shown on plot have been limited to a maximum value of 50 and have been used to calculate averages for parameter derivation.
Data Status:	Final	

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.5.1

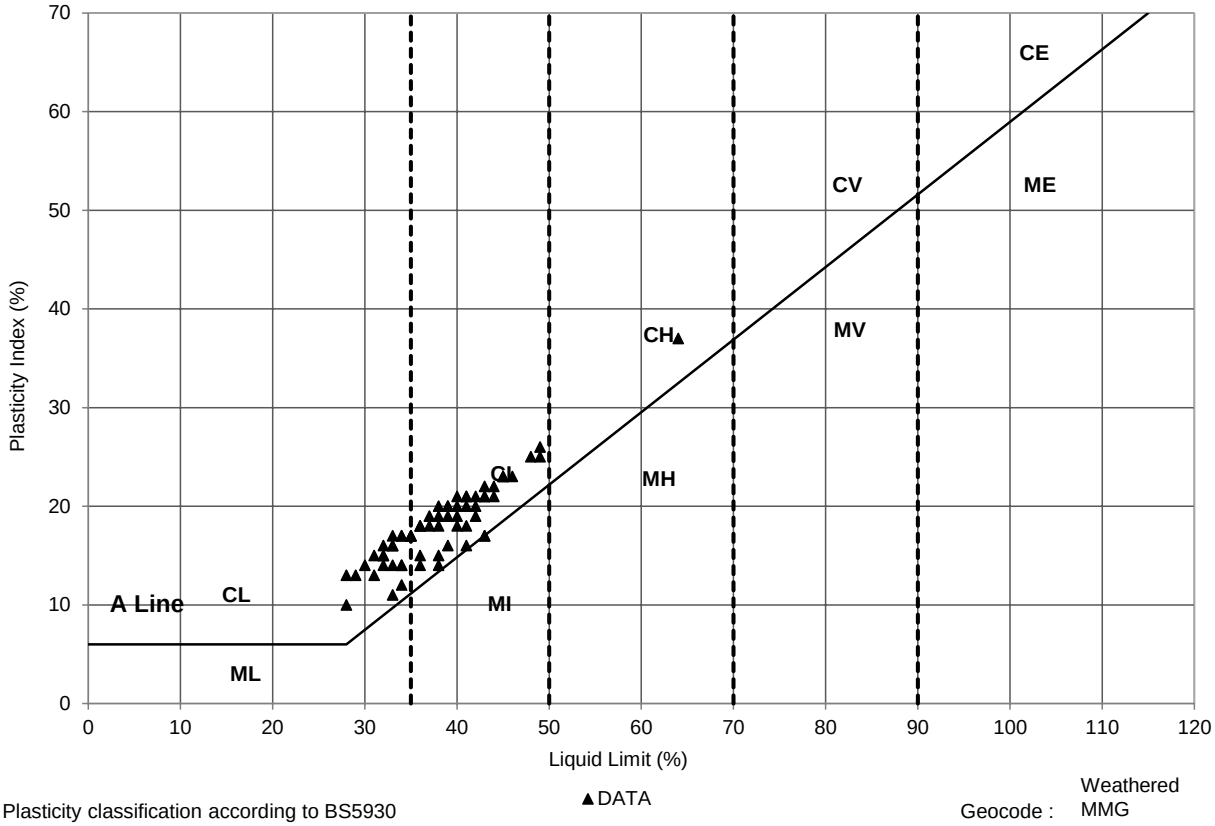
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	Plasticity Chart	Figure No. D.5.2

Project ID:	**100103345**	Project Title: **A46 Newark Bypass**	Drawn By: **AC**
			Client: **Skanska**



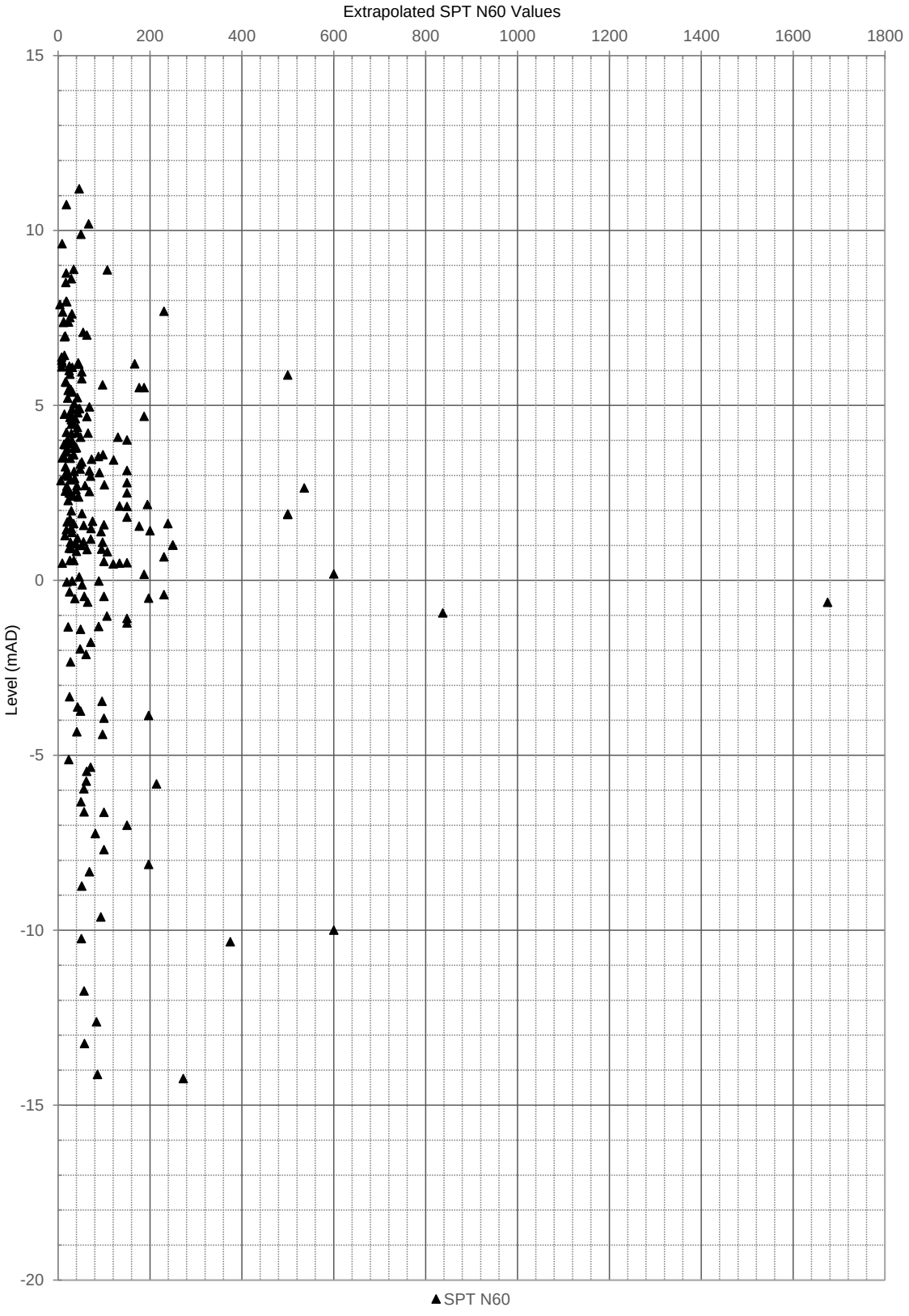
Plasticity classification according to BS5930

Geocode : Weathered MMG

Date:	**June 2023**	Remarks/Notes:
Data Status:	**Final**	

MOTT MACDONALD	SPT N_{60} Value vs Level (with extrapolated values)	Figure No. D.5.3

Project ID:	**100103345**	Project Title: **A46 Newark Bypass**	Drawn By: **AC**
			Client: **Skanska**

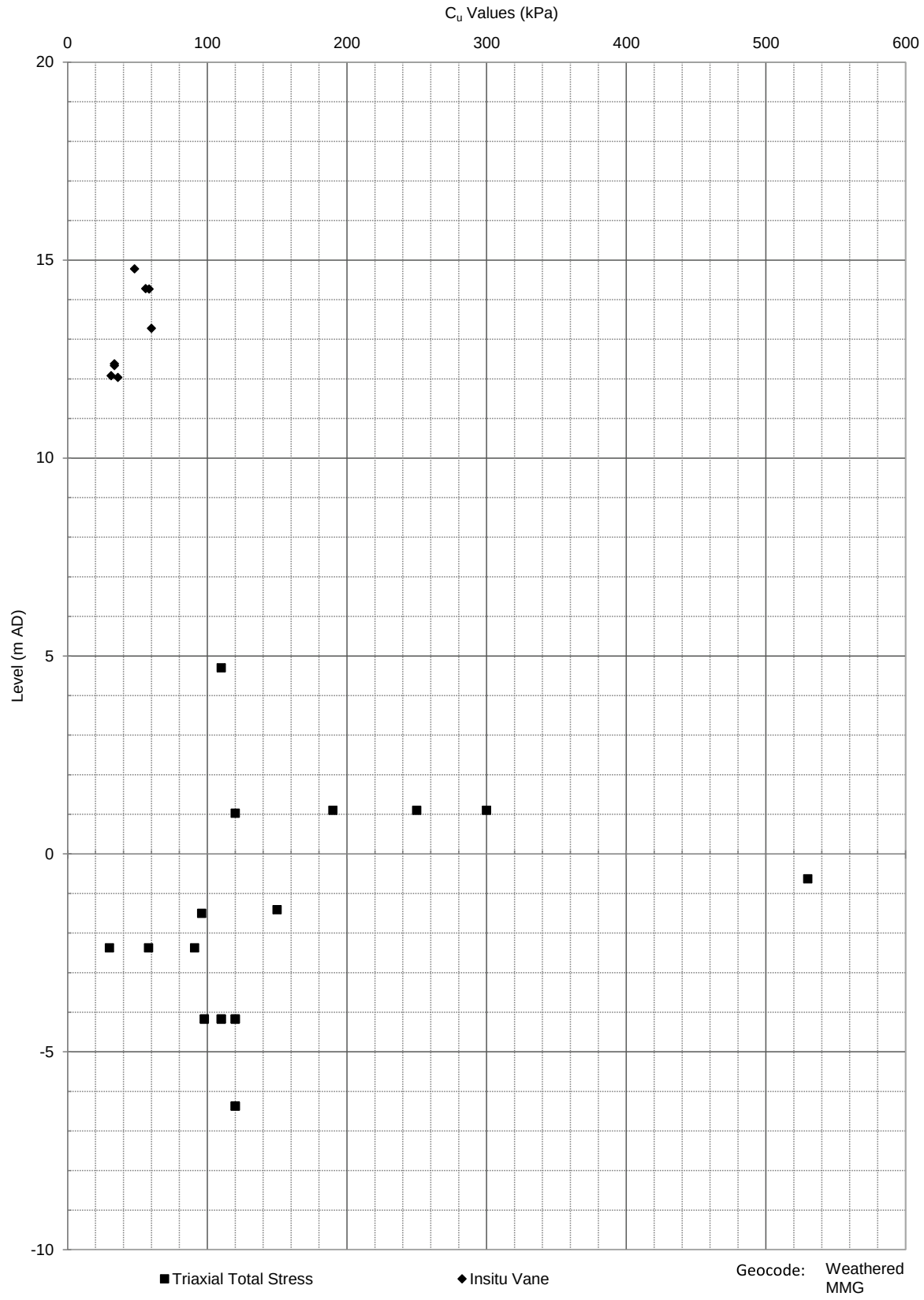


Geocode Weathered MMG

Date:	**June 2023**	Remarks/Notes:
Data Status:	**Final**	

MOTT MACDONALD	Undrained Shear Strength (C_u) vs Level	Figure No. D.5.4

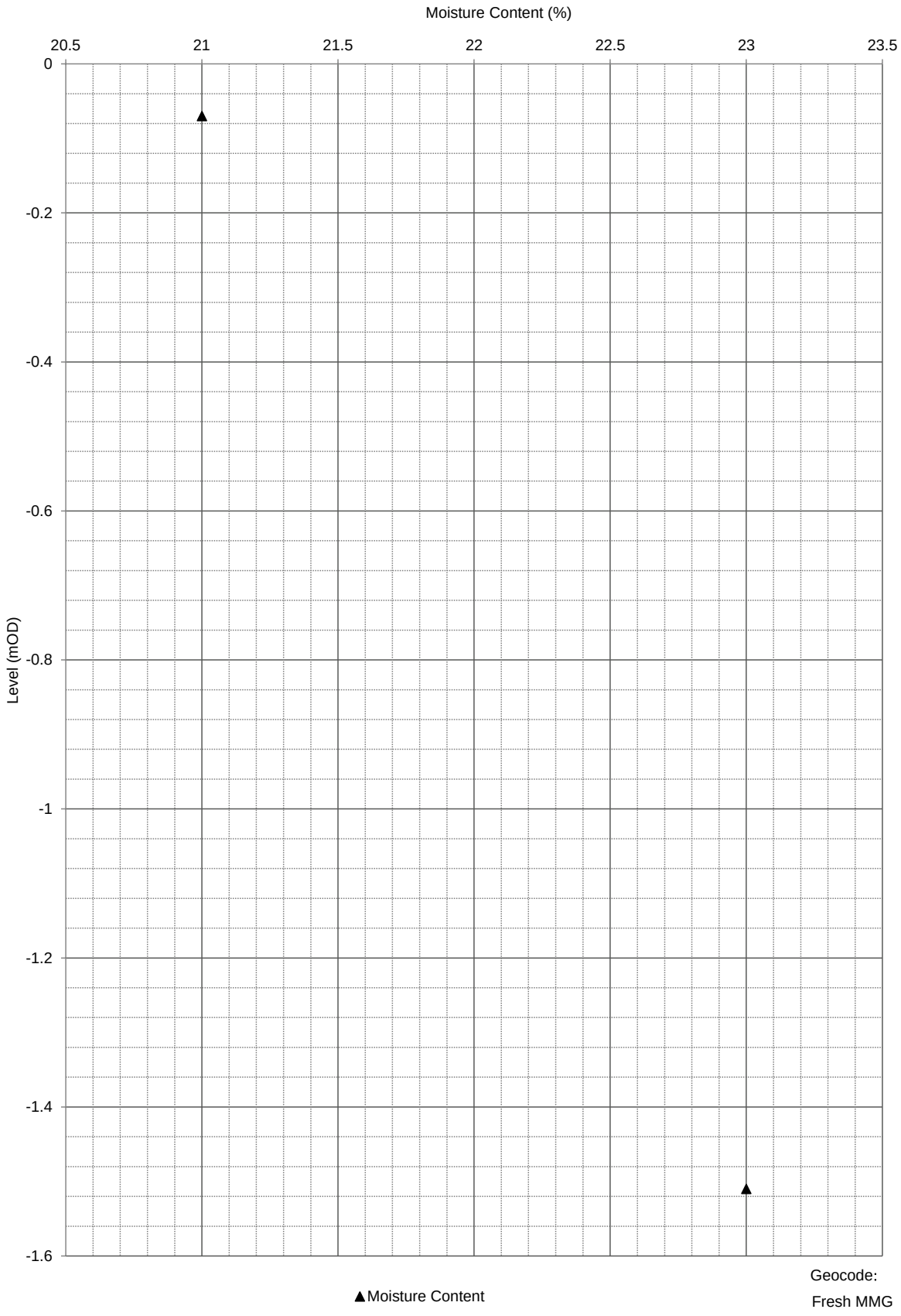
Project ID:	**100103345**	Project Title:	**A46 Newark Bypass**	Drawn By:	**AC**
				Client:	**Skanska**



Date:	**June 2023**	Remarks/Notes: Graph shows undrained shear strength from lab test results. No correlations have been used to determine undrained shear strength.
Data Status:	**Final**	

MOTT MACDONALD	Moisture Content vs Level	Figure No. D.6.1

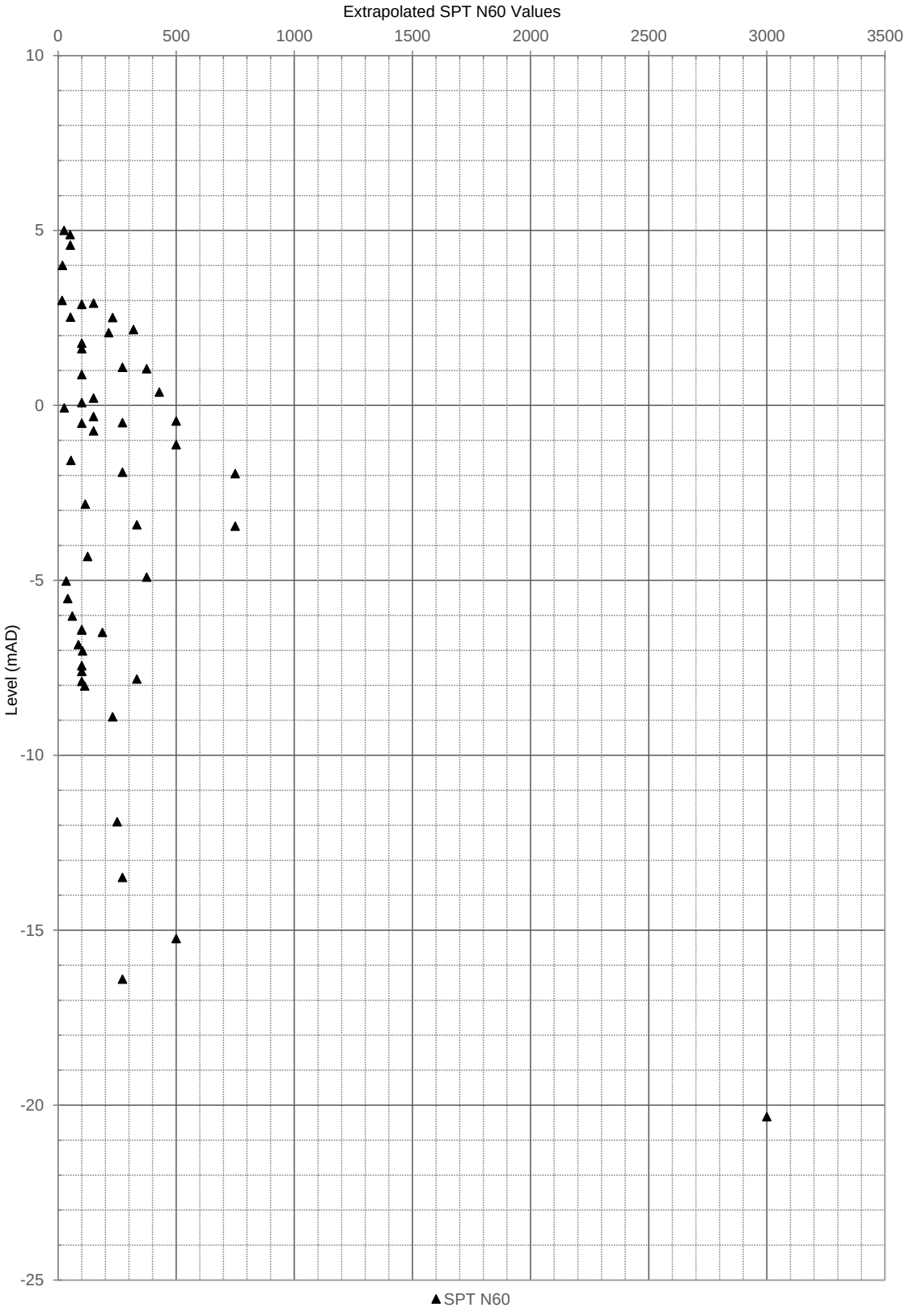
Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Date:	June 2023	Remarks/Notes:
Data Status:	Final	

MOTT MACDONALD	SPT N_{60} Value vs Level (with extrapolated values)	Figure No. D.6.2

Project ID:	100103345	Project Title:	A46 Newark Bypass	Drawn By:	AC
				Client:	Skanska



Geocode Fresh MMG

Date:	June 2023	Remarks/Notes:
Data Status:	Final	

Appendix E Tensar Application Suggestions for TW3 structures and TensarTech GreenSlope

Tensar

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) (static loading)

Tensar software output
TensarSoil® Version 2.17.4

Client:	**Skanska**
Project:	**A46 Newark Bypass, Nottinghamshire** TensarTech 9m High GreenSlope System
	Design not suitable for construction. Foundation assumed stable and competent.
Objective:	For Feasibility - Toe slope stability by others.

Tensar
Structural Systems

TensarTech
GreenSlope System

Method of analysis	The calculation method used to create this Tensar software output is the tie-back wedge reinforced soil retaining wall design method with partial factors defined in Section 6.0 of BS 8006-1:2010+A1:2016 "Code of practice for strengthened/reinforced soils and other fills".

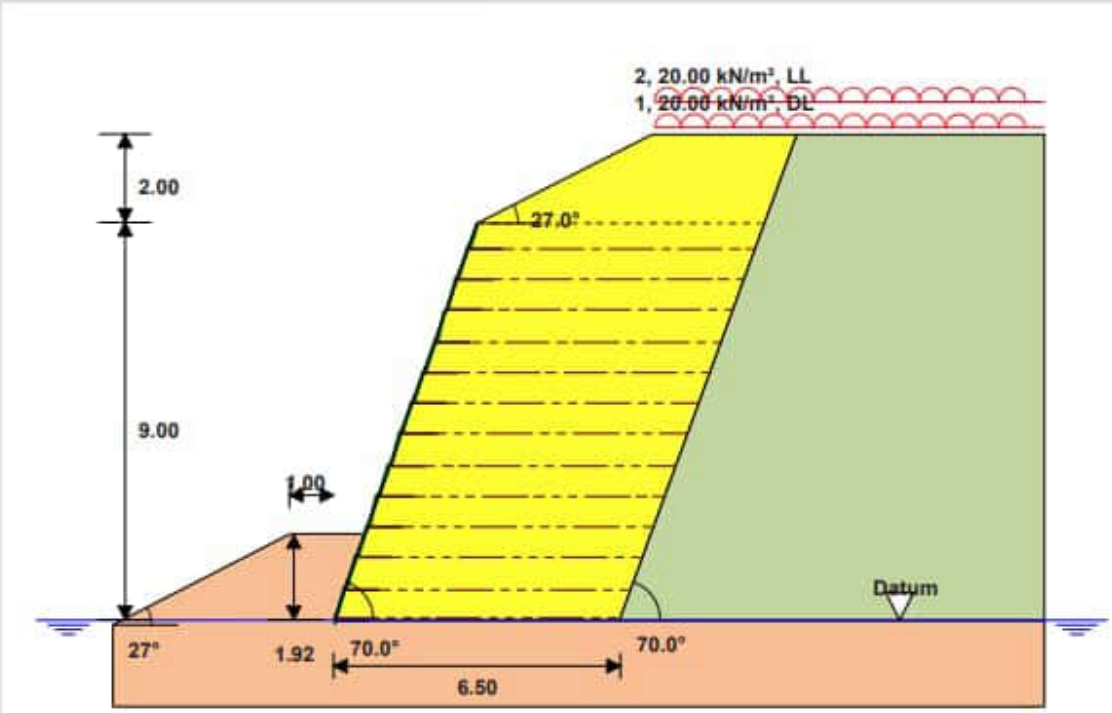
Reference	O-52086 - A-61226	**Date**	23 Dec 2022	**Page**	1 of 4

Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) (static loading)

Input data and Section **Project:** **A46 Newark Bypass, Nottinghamshire**



Tensar Structural Systems **TensarTech** **GreenSlope System**

Static loading case | All dimensions in metres | Scale 1:150

Fill/foundation properties
Design soil strength parameters are peak values

Soil zone	Drained/ undrained	c_k (kN/m²)	ϕ_k (°)	$\gamma_{bulk,k}$ (kN/m³)
Reinforced fill	Drained	0.0	35.0	20.0
Retained fill	Drained	0.0	35.0	20.0
Foundation soil	Drained	0.0	35.0	20.0

Soil strength values are characteristic values, design values are obtained by applying appropriate partial material factors

Surcharges

No	Load acts from x (m)	To x (m)	Load (kN/m²)	Temporary/Permanent
1	4.00	100.00	20	Permanent
2	4.00	100.00	20	Temporary

x coordinates are measured from the top of the reinforced fill block.
Unit loads given above are characteristic values, design values are obtained by applying appropriate partial load factors to the resulting actions.

Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) (static loading)

Water pressure data

Location	Height of water level above datum (m)	r_u
In front of structure	0.00	
Within fill	0.00	NA

Verification of external stability

Mechanism	Result	Max/Min	Critical case	OK?
Eccentricity	-0.793 m	+2.167 m	BQU	OK
Sliding on base	1.750	1.300 min	B	OK
Bearing	1.559	1.350 min	A	OK

Verification of internal stability

Mechanism	OK?	Mechanism	OK?
Rupture check	OK	Adherence check	OK
Internal sliding check	OK	Wedge check	OK
Post-construction strain (wedges)	< 1.0%	Post-construction strain (stresses)	< 1.0%

Reinforcement layout
Starting and finishing levels are related to datum

Tensar Geogrid	No of layers	Starting level (m)	Vertical spacing (m)	Finishing level (m)	Coverage (%)	f_b
Type 5	1	9.00	-	-	100	0.85
Type 2	5	5.60	0.70	8.40	100	0.85
Type 3	3	3.50	0.70	4.90	100	0.85
Type 4	4	0.70	0.70	2.80	100	0.85
Type 4	1	0.00	-	-	100	0.85

Partial load factors applied to actions and materials
As given in Tables 11 and 12 of BS 8006-1:2010

Partial factors for load case		A	B	C
Mass of reinforced soil body	f_{fs}	1.5	1.0	1.0
Mass of backfill on top of the reinforced soil wall	f_{fs}	1.5	1.0	1.0
Earth pressure behind the structure	f_{fs}	1.5	1.5	1.0
Traffic load above reinforced soil wall	f_q	1.5	0	0
Traffic load behind reinforced soil wall	f_q	1.5	1.5	0
Material factor applied to tanφ'	f_{ms}	1.0	1.0	1.0
Material factor applied to c'	f_{ms}	1.6	1.6	1.0
Material factor applied to s_u	f_{ms}	1.0	1.0	1.0
Sliding across surface of reinforcement	f_s	1.3	1.3	1.0
Pullout resistance of reinforcement	f_p	1.3	1.3	1.0
Partial factor applied to bearing capacity	f_{ms}	1.35	1.35	NA
Partial factor applied to sliding on base	f_s	1.2	1.2	NA

Reference	O-52086 - A-61226	Date	23 Dec 2022	Page	3 of 4

Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) (static loading)

Partial factor
As given in Table 9 of BS 8006-1:2010

Partial factor depending on ramification of failure	f_n
Applied to reinforcement rupture strength and pullout	1.1

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) and HAPAS certification (static loading)

Client:	**Skanska**
Project:	**A46 Newark Bypass, Nottinghamshire** TensarTech 9m High TW3 Wall System
	Design not suitable for construction. Foundation assumed stable and competent.
Objective:	For Feasibility.

Tensar
Structural Systems

TensarTech
TW3 Wall System

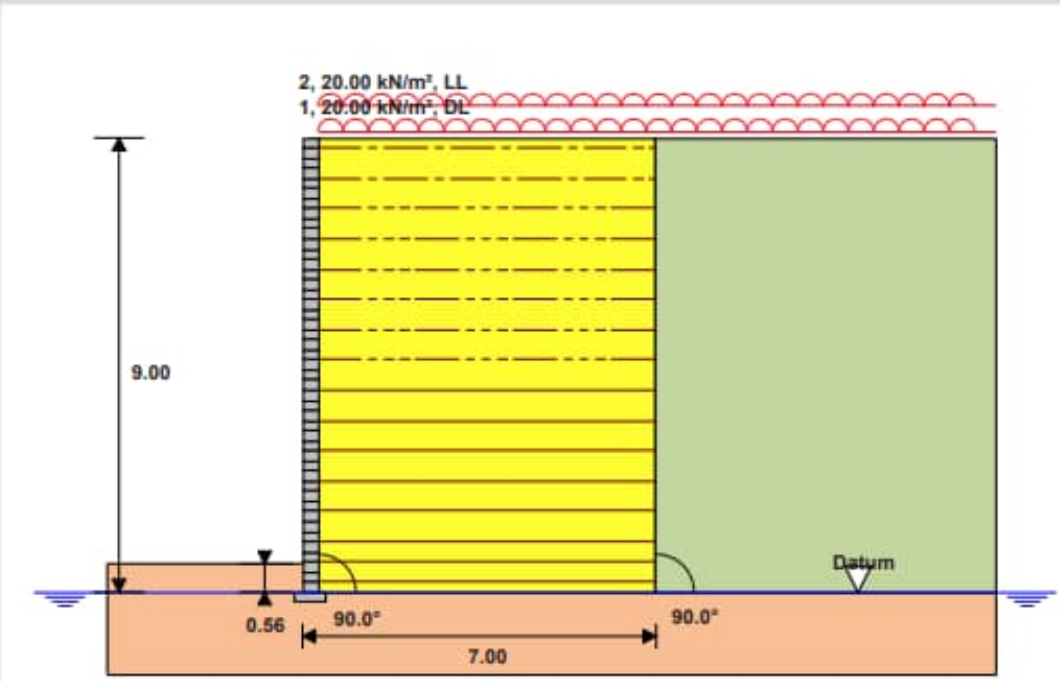
Method of analysis	The calculation method used to create this Tensar software output is the tie-back wedge reinforced soil retaining wall design method with partial factors defined in Section 6.0 of BS 8006-1:2010+A1:2016 "Code of practice for strengthened/reinforced soils and other fills", and with additional requirements given in HAPAS Certificate 14/H217 Product Sheet 1

Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) and HAPAS certification (static loading)

Input data and Section **Project:** **A46 Newark Bypass, Nottinghamshire**



Tensar Structural Systems **TensarTech** **TW3 Wall System**

Static loading case | All dimensions in metres | Scale 1:125

Fill/foundation properties
Design soil strength parameters are peak values

Soil zone	Drained/ undrained	c_k (kN/m²)	ϕ_k (°)	$\gamma_{bulk,k}$ (kN/m³)
Reinforced fill	Drained	0.0	35.0	20.0
Retained fill	Drained	0.0	35.0	20.0
Foundation soil	Drained	0.0	35.0	20.0

Soil strength values are characteristic values, design values are obtained by applying appropriate partial material factors

Surcharges

No	Load acts from x (m)	To x (m)	Load (kN/m²)	Temporary/Permanent
1	0.00	100.00	20	Permanent
2	0.00	100.00	20	Temporary

x coordinates are measured from the top of the reinforced fill block.
Unit loads given above are characteristic values, design values are obtained by applying appropriate partial load factors to the resulting actions.

Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) and HAPAS certification (static loading)

Water pressure data

Location	Height of water level above datum (m)	r_u
In front of structure	0.00	
Within fill	0.00	NA

Verification of external stability

Mechanism	Result	Max/Min	Critical case	OK?
Eccentricity	+0.593 m	+/-1.167 m	SLS	OK
Sliding on base	2.036	1.200 min	B	OK
Bearing	1.486	1.350 min	A max. OT	OK

Verification of internal stability

Mechanism	OK?	Mechanism	OK?
Rupture check	OK	Adherence check	OK
Internal sliding check	OK	Wedge check	OK
Post-construction strain (wedges)	< 1.0%	Post-construction strain (stresses)	< 1.0%

Reinforcement layout
Starting and finishing levels are related to datum

Tensar Geogrid	No of layers	Starting level (m)	Vertical spacing (m)	Finishing level (m)	Coverage (%)	f_b
Type 2	2	8.20	0.60	8.80	100	0.85
Type 4	6	4.60	0.60	7.60	100	0.85
Type 6	5	1.60	0.60	4.00	100	0.85
Type 6	2	0.60	0.40	1.00	100	0.85
Type 6	1	0.20	-	-	100	0.85

Partial load factors applied to actions and materials
As given in Tables 11 and 12 of BS 8006-1:2010

Partial factors for load case		A	B	C
Mass of reinforced soil body	f_{fs}	1.5	1.0	1.0
Mass of backfill on top of the reinforced soil wall	f_{fs}	1.5	1.0	1.0
Earth pressure behind the structure	f_{fs}	1.5	1.5	1.0
Traffic load above reinforced soil wall	f_q	1.5	0	0
Traffic load behind reinforced soil wall	f_q	1.5	1.5	0
Material factor applied to tanϕ'	f_{ms}	1.0	1.0	1.0
Material factor applied to c'	f_{ms}	1.6	1.6	1.0
Material factor applied to s_u	f_{ms}	1.0	1.0	1.0
Sliding across surface of reinforcement	f_s	1.3	1.3	1.0
Pullout resistance of reinforcement	f_p	1.3	1.3	1.0
Partial factor applied to bearing capacity	f_{ms}	1.35	1.35	NA
Partial factor applied to sliding on base	f_s	1.2	1.2	NA

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Tensar

Tensar software output
TensarSoil® Version 2.17.4

Calculations in accordance with: Tie-back wedge method (BS8006-1:2010+A1:2016) and HAPAS certification (static loading)

Partial factor
As given in Table 9 of BS 8006-1:2010

Partial factor depending on ramification of failure	f_n
Applied to reinforcement rupture strength and pullout	1.1

Appendix F Extracts of Contaminated Land Risk Assessment P02

6 Discussion

6.1Scheme area

Human health

6.1.1 Investigations completed to date have recorded limited visual or olfactory evidence of contamination across the majority of the scheme area, which testing has also confirmed.

Controlled waters

6.1.2 Exceeded determinands have been compared from the three sample types including: leachate extract from soil, groundwater, and surface water samples. Exceedances can be compared to determine the background conditions of the scheme. This information is summarised in Table 6-1 below. Notably six metals (cadmium, copper, iron, lead, nickel, zinc), two PAHs (fluoranthene, benzo(a)pyrene), ammoniacal nitrogen and sulphate have exceeded the EQS threshold values in all three types of samples and therefore are considered to represent background conditions.

Table 6-1 Comparison of determinands in samples

Determinand	Soil leachate	Groundwater	Surface water
Cadmium	✓	✓	✓
Copper	✓	✓	✓
Iron	✓	✓	✓
Lead	✓	✓	✓
Nickel	✓	✓	✓
Zinc	✓	✓	✓
Ammoniacal Nitrogen	✓	✓	✓
Fluoranthene	✓	✓	✓
Benzo (a) pyrene	✓	✓	✓
Arsenic	✓	×	×
Chromium Hexavalent	✓	×	×
Chromium	✓	×	×
Mercury	✓	×	×
Vanadium	✓	×	×
Sulphate	✓	✓	✓
Phenol	×	✓	×
Cyanide	×	✓	×

Determinand	Soil leachate	Groundwater	Surface water
Chlorpyriphos	×	✓	×
Anthracene	×	✓	×
Chloride	×	✓	×
Manganese	×	✓	×
Trichloroethene	×	✓	×

6.1.3 Additionally, several determinants exceeded the EQS values in groundwater samples only including phenol, cyanide, chlorpyriphos, anthracene, chloride, manganese, and trichloroethene. These exceedances are isolated to one or two exploratory hole locations across the scheme and are not considered to be widespread.

Ground gas

6.1.4 The purpose of ground gas monitoring was as a preliminary assessment to consider the risks to construction and maintenance workers.

6.1.5 The proposed scheme does not include for above ground structures with person entry. Therefore, based on the site-specific ground investigation and following the guidance in CIRIA C665[28] and BS8485:2015+A1:2019[29], the ground gas generation potential at the scheme and the impact on the proposed works is not considered significant and the scheme has been classified as Characteristic Situation CS1 (very low risk). There is therefore no requirement to carry out further investigation of derived hazardous ground gases for the purpose of designing mitigative measures. Ground gas protection measures are not required.

6.1.6 Acute risk to construction and maintenance workers from hazardous ground gases is assessed by comparison of gas concentrations with the Health and Safety Executive 'Workplace Exposure Limits' (WELs) EH40/2005 document[30]. WELs represent concentrations of hazardous substances in air, averaged over a specified time period, referred to as a 'time-weighted average' (TW). Two time periods are used; Long-term (8 hours); and Short-term (15 minutes). Of the monitored hazardous gases on-site,

[28] Construction Industry Research and Information Association. (2007) Assessing risks posed by hazardous ground gases to buildings. London: CIRIA

[29] British Standards Institution, (2019). BS 8485:2015+A1:2019 – Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings. British Standards Institution: London

[30] Health and Safety Executive, (2011). EH40/2005 Workplace Exposure Limits. Health and Safety Executive: London

WELs are available for CO_2, H_2S and CO. WELs are not available for CH_4.

6.1.7 Elevated carbon dioxide concentrations (over 0.5%vol for the long term WEL) were encountered at all locations during the monitoring programme. Given the elevated recordings are consistent across the scheme the source of the ground gas is considered to be natural from the underlying Alluvium and Mercia Mudstone.

6.1.8 Potential risk from ground gases to construction workers working in excavations and other confined spaces will be dealt with by the Contractor, in-accordance with current Confined Spaces Regulations.

6.2 Hotspot

6.2.1 A generalised diagrammatic conceptual ground model for the contamination hotspot is presented in Figure 6-16-1 and Figure 6-2. This is to aid the discussion and visualisation of the revised CSM presented in this report.

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Figure 6-1 Generalised diagrammatic scheme Conceptual Ground Model of contamination hotspot, northeast to southwest cross section

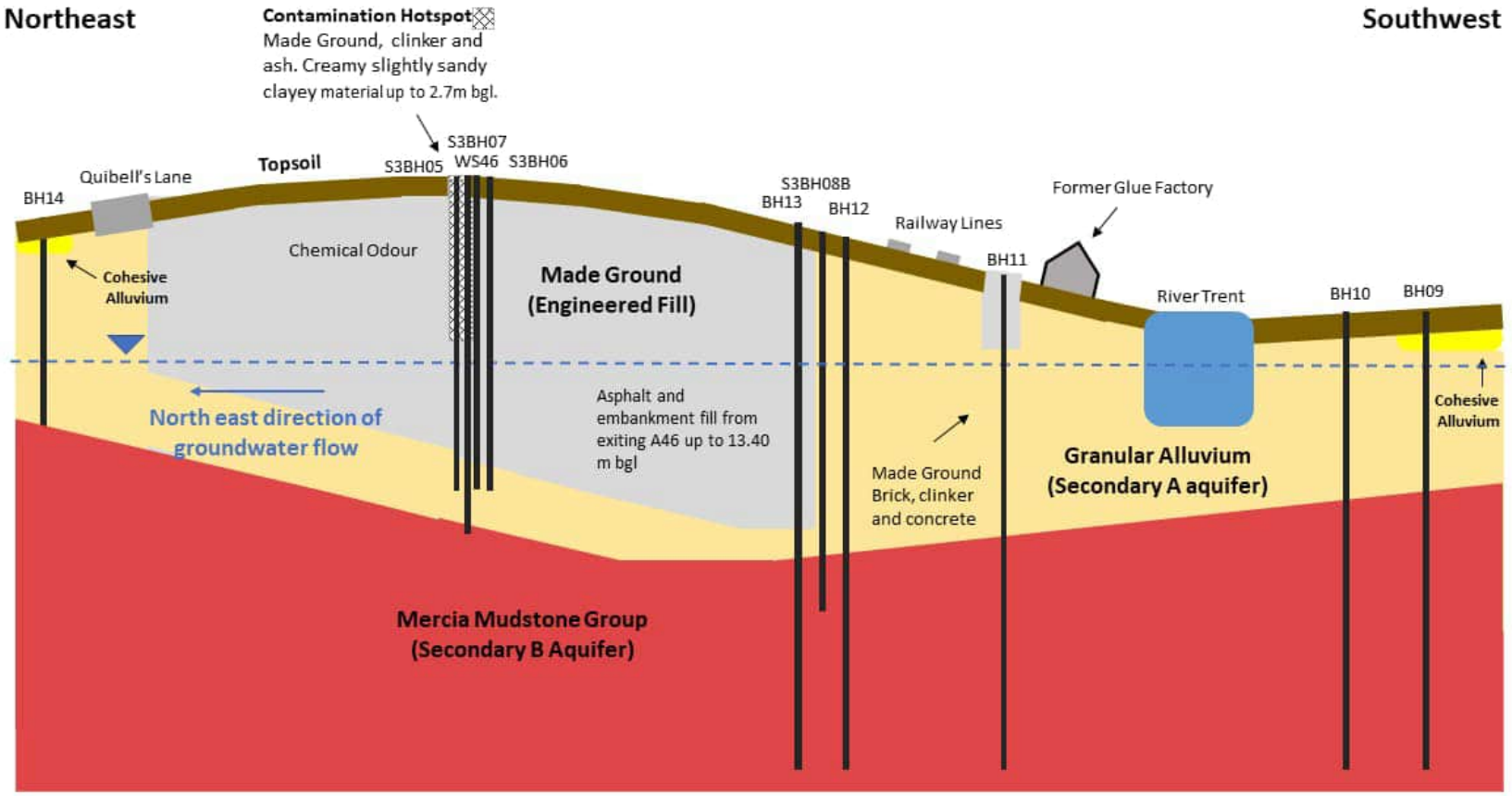
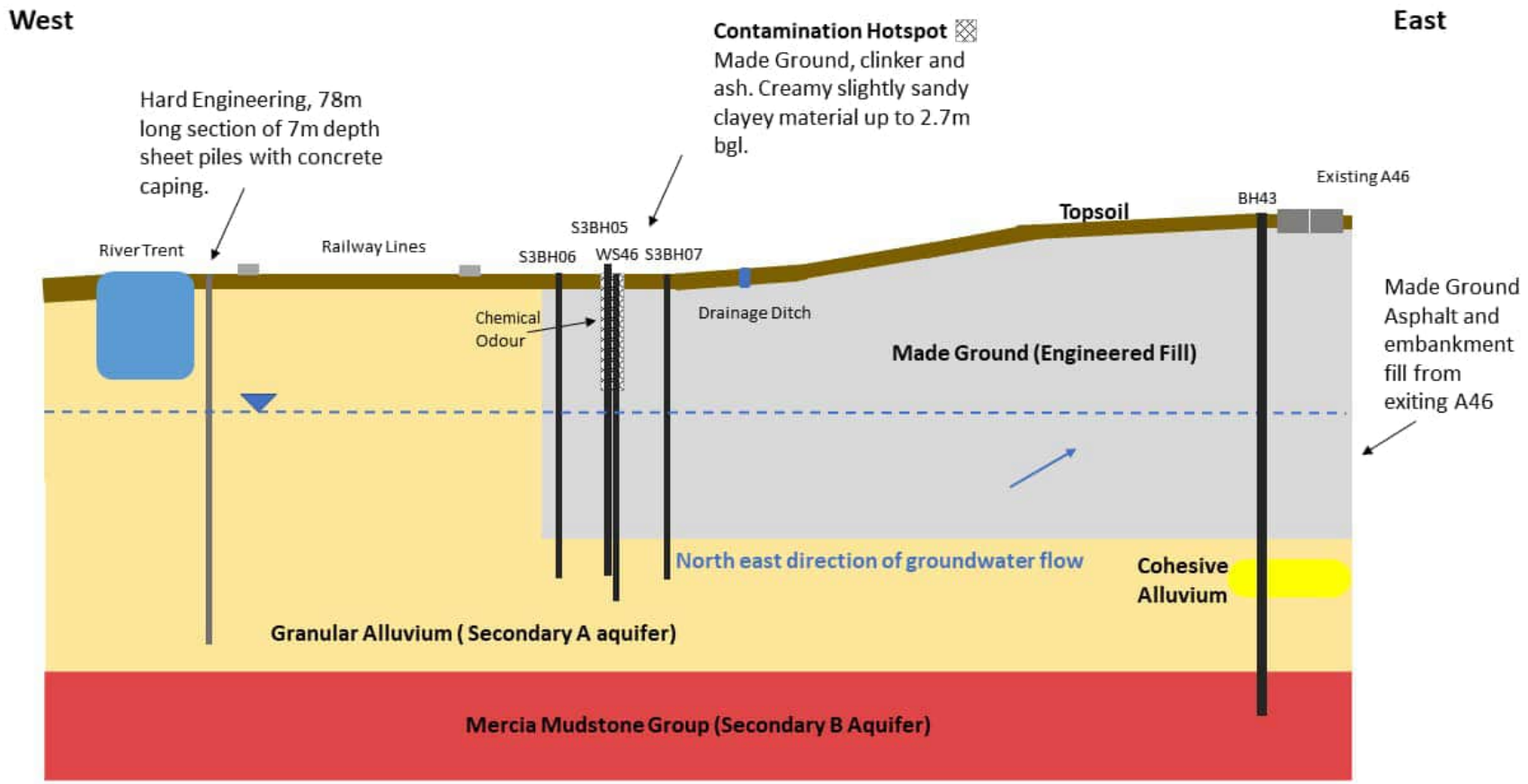


Figure 6-2 Generalised diagrammatic scheme conceptual ground model of hotspot, west to east cross section



Human health

6.2.2 A localised area of soil contamination was identified in the centre of the scheme near Nether Lock during the Tetra Tech scheme specific GI as contained in Appendix F. Visual and olfactory evidence of contamination was recorded at exploratory hole location of WS46. The contamination was identified at the base of the Made Ground layer in the Alluvium between 2.5 and 3.65 metres below ground level. The ground was described as cream slightly sandy clayey sand, where a 'chemical odour' was observed. Subsequent laboratory soil testing data from the location of WS46 at 2.3 metres below ground level identified contaminant levels above soil generic screening criteria (GSC) guideline levels, including elevated concentrations of arsenic, aromatic hydrocarbons and naphthalene.

6.2.3 Approximately 240 metres south of WS46, at the location of the former Quibell Brothers chemical manure factory, soil GSC values were exceeded at exploratory hole location of BH11. Laboratory soil test results identified GSC exceedances of concentrations of PAHs (dibenz-a-h-anthracene, benzo(b)fluoranthene and benzo(a)pyrene) at 0.1 metres below ground level in the Made Ground. No visual or olfactory evidence of contamination was recorded in the borehole log. PAHs are formed during the incomplete combustion of organic materials. The sample which recorded the minor exceedances is from shallow Made Ground. The location of BH11 is within an existing small compound area, currently occupied by vehicles and caravans. A review of BGS historical logs[2]**Error! Bookmark not defined.** has revealed that two exploratory holes (BH234 and BH233) adjacent to BH11 encountered a concrete slab at a depth of up to 0.2 m bgl from ground level. Whilst, historical mapping indicates that the BH11 area was once occupied by Quibell Brothers chemical manure factory (previously demolished), the likely source of the PAHs is from recent land use.

6.2.4 Available historical mapping and aerial imagery for the scheme do not identify any buildings/structures or sources of contamination directly at the location of WS46. The potential source of the contamination identified at the location of WS46 is likely the adjacent historical Quibell Brothers chemical manure factory. This

factory is reported[31] [32] to have produced a number of products from the late 1890s to early 1900s including; chemical manure (production process used hydrocarbons to extract grease from bones), sheep dip powder and liquid sheep dip (both made through arsenical preparation), a carbolic dip in the form of a solid paste containing carbolic acid, and also a disinfectant called 'kerol'. During the enabling and construction earthworks of the existing A46, it is possible that a small volume of site won material from the demolition location of the chemical manure factory was deposited at the location of WS46. On review there are no other likely credible sources in the area, a historical borehole on the BGS[2] mapped in close proximity does not identify Made Ground.

6.2.5 The soft white pastey/chalky substance, chemical odour and laboratory test data recorded from WS46 appears to be consistent with the products described above. The location of the contamination hotspot and parts of the British Glues and Chemicals Ltd Quibell Bros Glue Factory (previously named "Chemical Manure Works" on other historical mapping) are shown to be demolished during construction of the existing A46 in Photograph 6.1 below.

[31] Quibells Brothers Ltd, Available at: British Glues and Chemicals (themeister.co.uk), last accessed 24th January 2023

[32] Nottingham County Council, Inspire Archive: Croid's Glue Factory, Winthorpe Road, Newark on Trent, 1948 Available at: Croid's Glue Factory, Winthorpe Road, Newark on Trent, 1948 | Inspire (inspirepicturearchive.org.uk) last accessed 30th January 2023

Photograph 6.1 Contamination hot spot aerial photograph from construction of existing A46 road.

Source: National Highways (photograph ID 2164). Viewed southwest, date not provided, but is assumed to be 1988 -1991, based on initial construction period of existing A46.

6.2.6 The 2022/2023 supplementary ground investigation, which included delineation of the contamination hotspot, identified further visual and olfactory contamination at an exploratory hole (S3BH05) located adjacent to the north of WS46 as contained in Appendix F. The presence of a soft white paste/chalky textured material similar to that noted at WS46 was present at the location of S3BH05, where a strong chemical odour was recorded between 1.20 – 2.80 metres below ground level. Furthermore, chemical testing identified a total of 4 exceedances against the commercial screening criteria at S3BH05 only within the Made Ground for dibenz-a-h-anthracene, benzo(b)fluoranthene and benzo(a)pyrene at 1.65m and arsenic at 2.9m. Consequently, the results of the supplementary GI indicated that the contamination is situated at a depth which presents a low risk to human health and not present in the shallow soils.

6.2.7 Earthworks and vegetation clearance are not proposed in the footprint of the contamination hotspot area (WS46 – S3BH05) and the contamination will therefore remain in situ at this location. At its closest point, excavation works are anticipated for the construction of the A46 embankment, located approximately 8m east of the

contamination hotspot, between the existing ditch and toe of the embankment as shown in the Environmental Master Plan Drawing.

6.2.8 With respect to construction workers, the location of the contamination hotspot (WS46 – S3BH05) will be recorded and documented by the detailed design consultant and shared to the Principal Contractor. Before construction commences, the Principal Contractor will install fencing and signage, clearly identifying and restricting access to the area.

6.2.9 Whilst BH11 identified human health exceedances and is in the Order Limits, it is within the likely extent of the temporary works. The existing vehicles and caravans at this location will be removed prior to construction to facilitate temporary works, including piling matt area and heavy lift crane pad area, which would provide a hard to dig layer, effectively providing sufficient permanent hardstanding to break the potential pollutant linkages to site end users. Furthermore, upon completion the Structures Options Report (Nether Lock Viaduct)[33] advises that maintenance staff are anticipated to inspect Nether Lock Viaduct a minimum of once a year from the east, with maintenance access avoiding the location of BH11.

Controlled waters

6.2.10 Arsenic, chromium, chromium hexavalent, mercury, and vanadium exceeded the EQS values in leachate extract from soil samples. These exceedances are considered to be localised to the Nether Lock area in close proximity to the former glue factory. Given the elevated arsenic concentrations in the soil samples from this area, it is likely that the source of this contamination is also associated with the former glue factory. The results of the leachate extract from soil confirms that this material is leachable, however the contamination is isolated and is not present in the surrounding ground water or surface water samples. In addition, surface run-off from the new embankment will be intercepted by a new surface water drainage channel, before it reaches the hotspot area, thereby reducing the potential for leachate generation at the hotspot area.

6.2.11 Groundwater monitoring data at Nether Lock suggests that the groundwater fluctuates between 1.4m bgl and 3.5m bgl in the Made Ground and granular alluvium stratum. Across the majority of the scheme groundwater has been observed as following the hydraulic gradient of the River Trent, flowing in a northeasterly direction from

[33] Mott MacDonald Structures Options Report Nether Lock Viaduct, 23/05/23

the southwest. Therefore, potential migration of contaminated groundwater or leachates at the hotspot area is away from the River Trent.

6.2.12 Given the scheme design and isolated contamination, the exceedances recorded in leachate, surface water and groundwater are considered to largely be reflective of the wider ground condition. Therefore, it is considered that the scheme will not pose a significant risk to controlled waters. Overall, leachate concentrations of elevated determinants are expected to largely reduce, from the addition of clean embankment fill material and impermeable road surface, with incorporated drainage. Consequently, there may be localised betterment along the new embankment arising from reduced leachate generation potential.

6.3 Revised Conceptual Model

6.3.1 A key element of the risk assessment is the development of a conceptual site model (CSM) which may be refined or revised as more information and understanding is obtained through the risk assessment process. A CSM has previously been developed for the scheme, as detailed in the PSSR and summarised in Section 3 .

6.3.2 Following a review of all the available ground investigation results, the CSM has been revisited and the potential pollutant linkages have been refined. A summary of the potential sources, pathways and receptors and the potential pollutant linkages based on the information obtained to date is presented in this section.

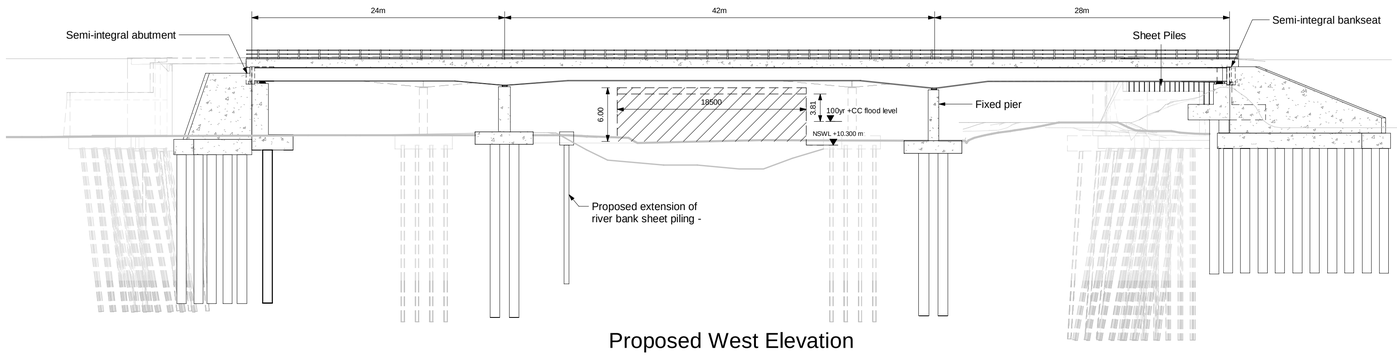
6.3.3 The following assumptions and exclusions apply to this revised conceptual model:

- It is assumed that standard mitigation strategies will be adopted as part of construction works, these include use of appropriate personal protective equipment (PPE) and respiratory protective equipment (RPE) to be assessed by the Contractor based on this assessment prior to works and during works if undiscovered contamination is encountered. The Contractor will also use working method statements during construction, reflecting the guidance within the First Iteration Environmental Management Plan (EMP) and Second Iteration EMP and unexpected contamination protocol.
- It is assumed that earthworks and vegetation clearance are not proposed in the footprint of the contamination hotspot area (WS46 and S3BH05) at Nether Lock and the contamination will therefore remain in situ at this location.

- It is understood that the land at BH11 will include a piling matt area and heavy lift crane pad area, which would provide a hard to dig layer, effectively providing sufficient permanent hardstanding to break the potential pollutant linkages to site end users.
- It is assumed that all new below-ground infrastructure, will be designed to consider the prevailing ground conditions.
- No visual observations were made with regards to asbestos during the ground investigations and no asbestos fibres were detected during the laboratory screening of the soil samples. Should asbestos or asbestos containing material be identified on site, it is recommended that a specialist Contractor is appointed to address the issue and to provide advice on risk or remedial measures.

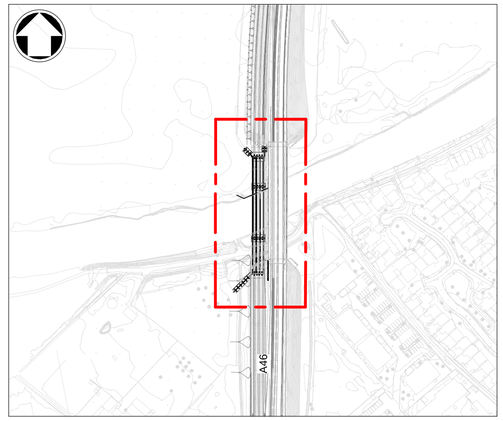
6.3.4 Based on the results of the ground investigation, it should be noted that off-site sources of contamination have been discounted from the revised conceptual site model.

Appendix G Structures Option Report Drawings



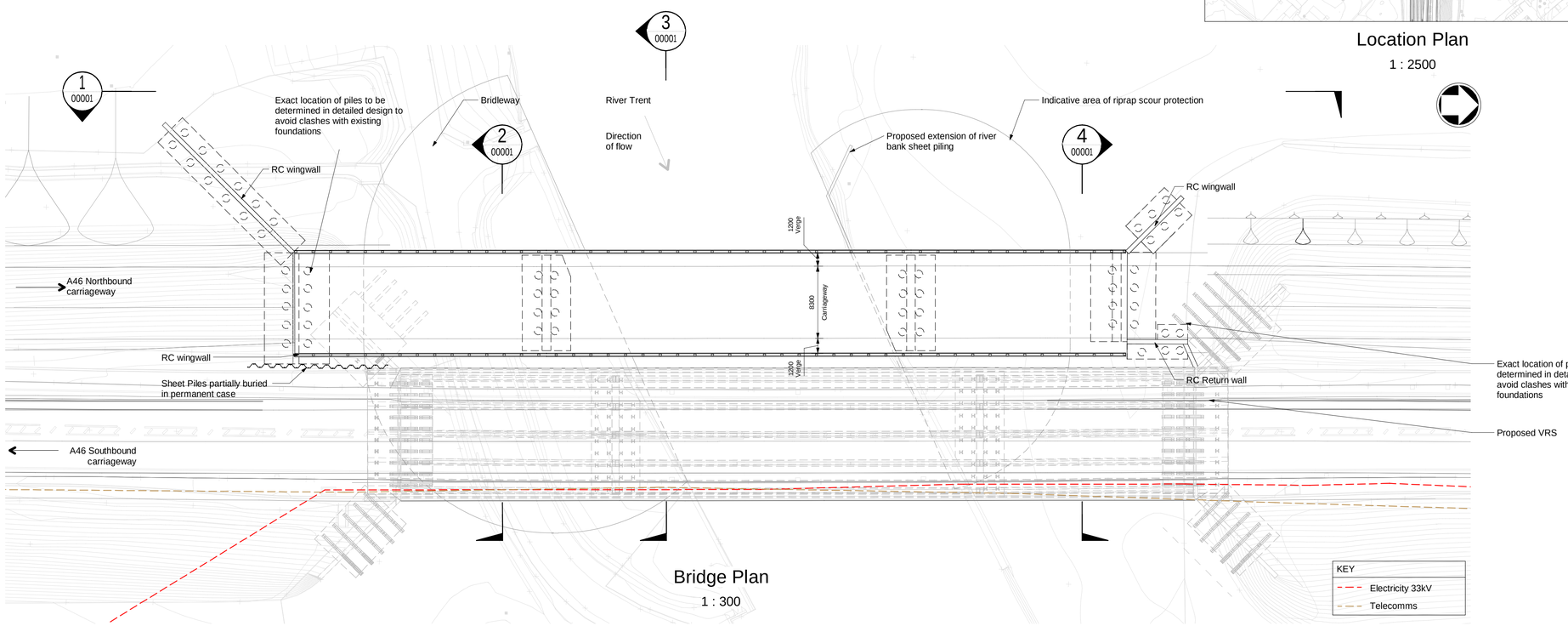
Proposed West Elevation

1 : 300



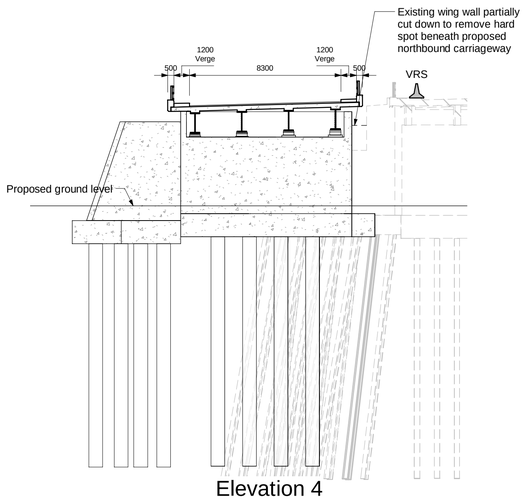
Location Plan

1 : 2500



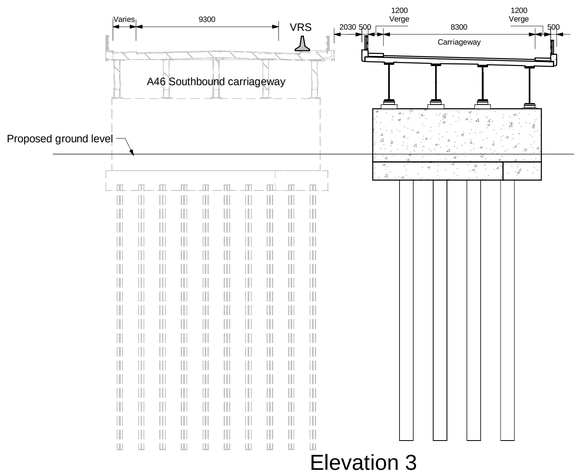
Bridge Plan

1 : 300



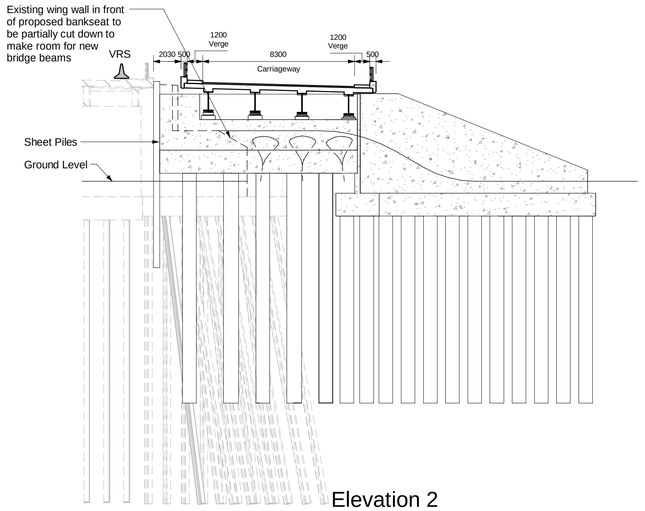
Elevation 4

1 : 200



Elevation 3

1 : 200



Elevation 2

1 : 200

Notes

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	06.02.23	A.Khan	For Information-Environmental Review	JC	
P02	10.03.32	I.Onv	Structures Option Report	JC	

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www.mottmac.com

Client: national highways

Drawing Status: Suitable for Review & Comment
Suitability: S3

Project Title: A46 Newark Bypass

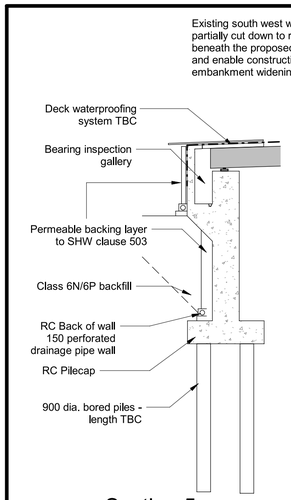
Drawing Title: Windmill Viaduct
General Arrangement

Scale	Designed	Drawn	Checked	Approved
As shown	T.Jaffray	A.Khan	J.Cluett	C.Morley
Original Size: A1	Date: 06.02.2023	Date: 06.02.2023	Date: 06.02.2023	Date: 06.02.2023

Drawing Number: HE PIN | Originator | Volume
HE551478 - SKAG - SBR
SECT1 - B02N - CB - 00001
Location | Type | Role | Number

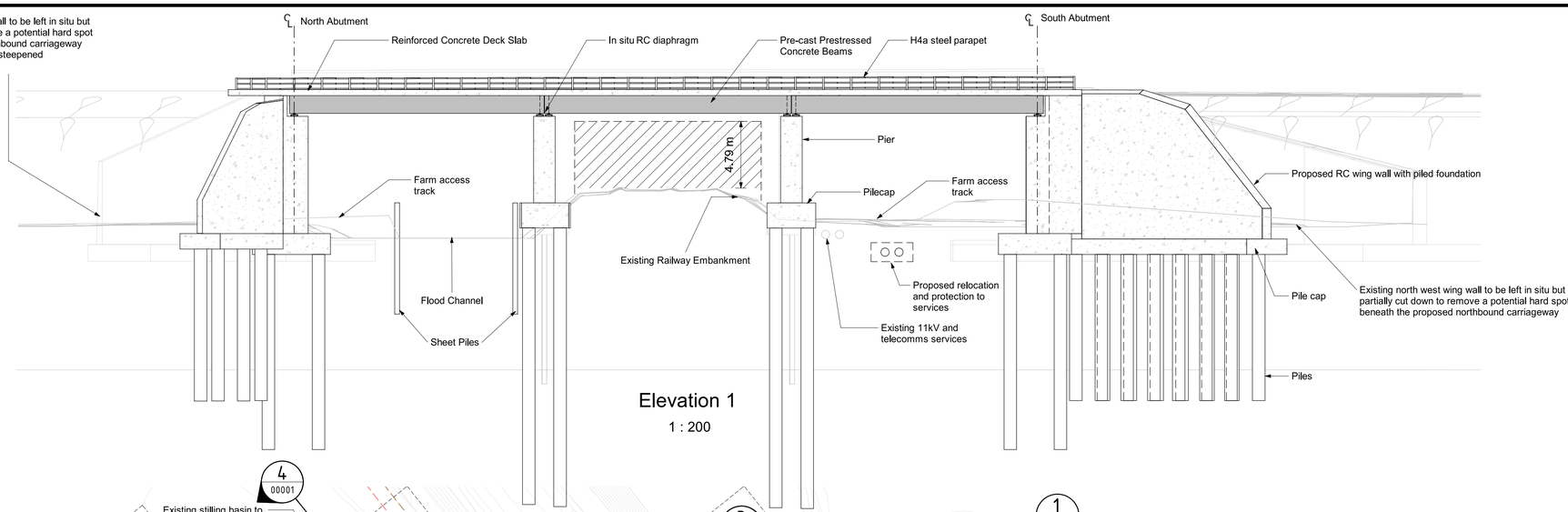
Project Ref. No.: HE551478

Revision: P02



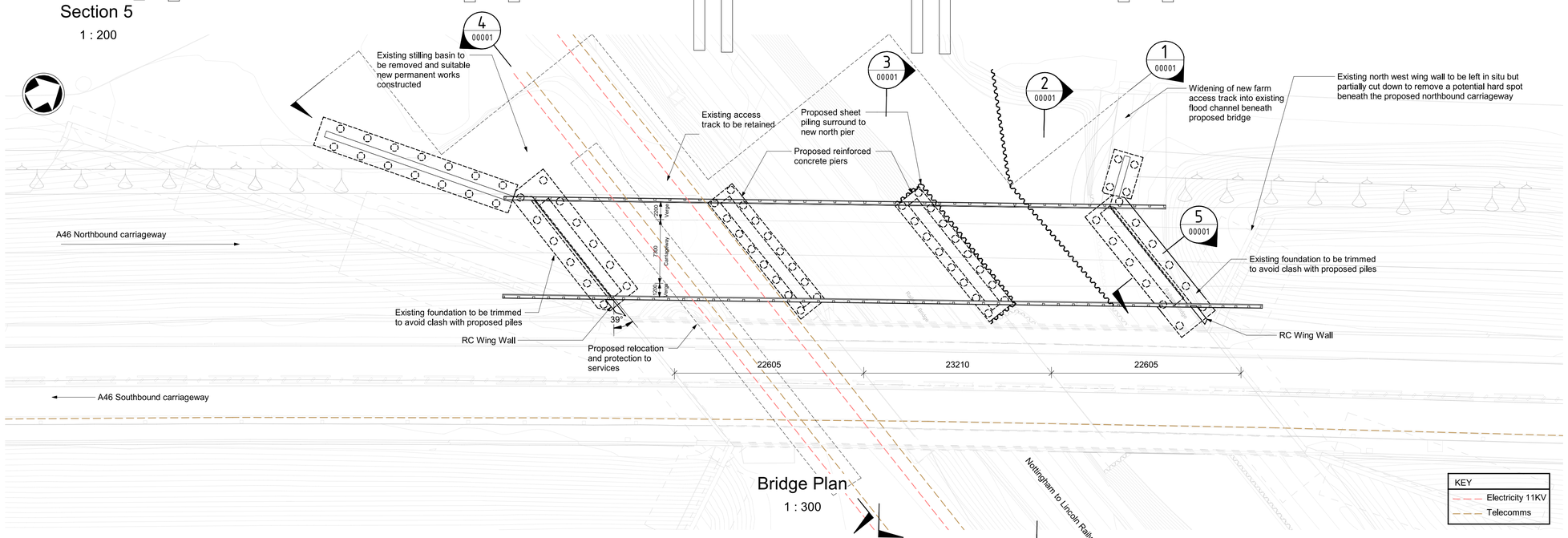
Section 5

1 : 200



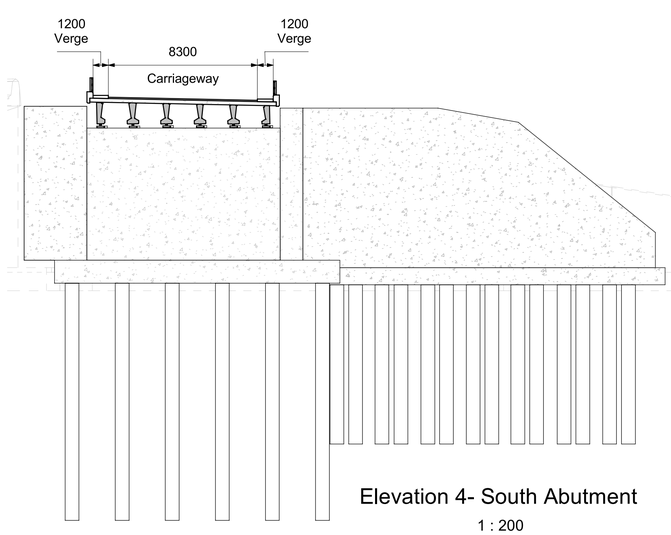
Elevation 1

1 : 200



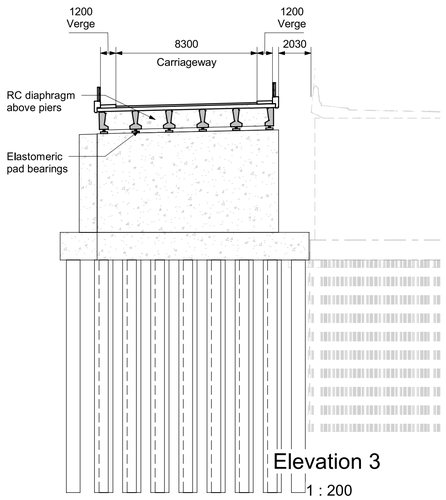
Bridge Plan

1 : 300



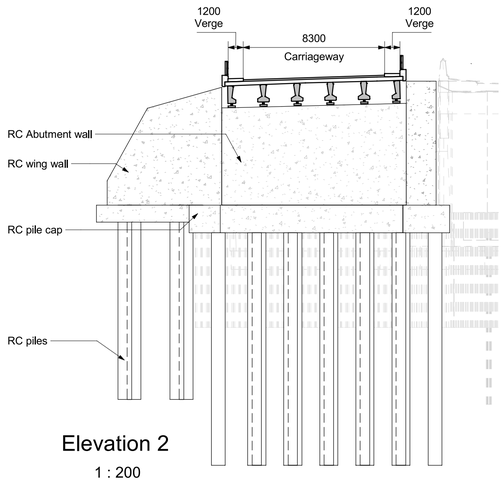
Elevation 4- South Abutment

1 : 200



Elevation 3

1 : 200



Elevation 2

1 : 200

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We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

Notes

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	07.02.23	I.Onv	For Information - environmental review	JC	
P02	02.05.23	I.Onv	Structures Options Report	JC	

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www.mottmac.com

Client: national highways

Drawing Status: Suitable for Review & Comment
Suitability: S3

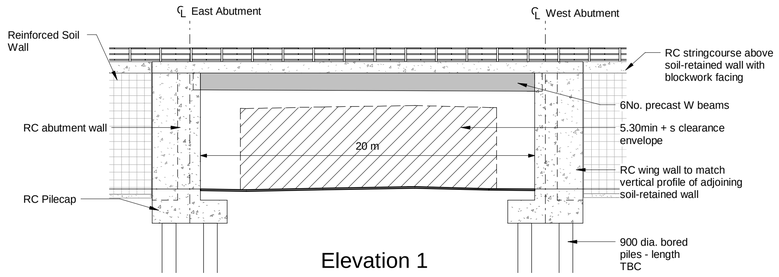
Project Title: A46 Newark Bypass

Drawing Title: Nottingham to Lincoln Railway Line West General Arrangement

Scale	Designed	Drawn	Checked	Approved
As shown	T. Jaffray	I.Onv	J. Cluett	
Original Size	**Date**	**Date**	**Date**	**Date**
A1	07.02.2023	07.02.2023	07.02.2023	07.02.2023

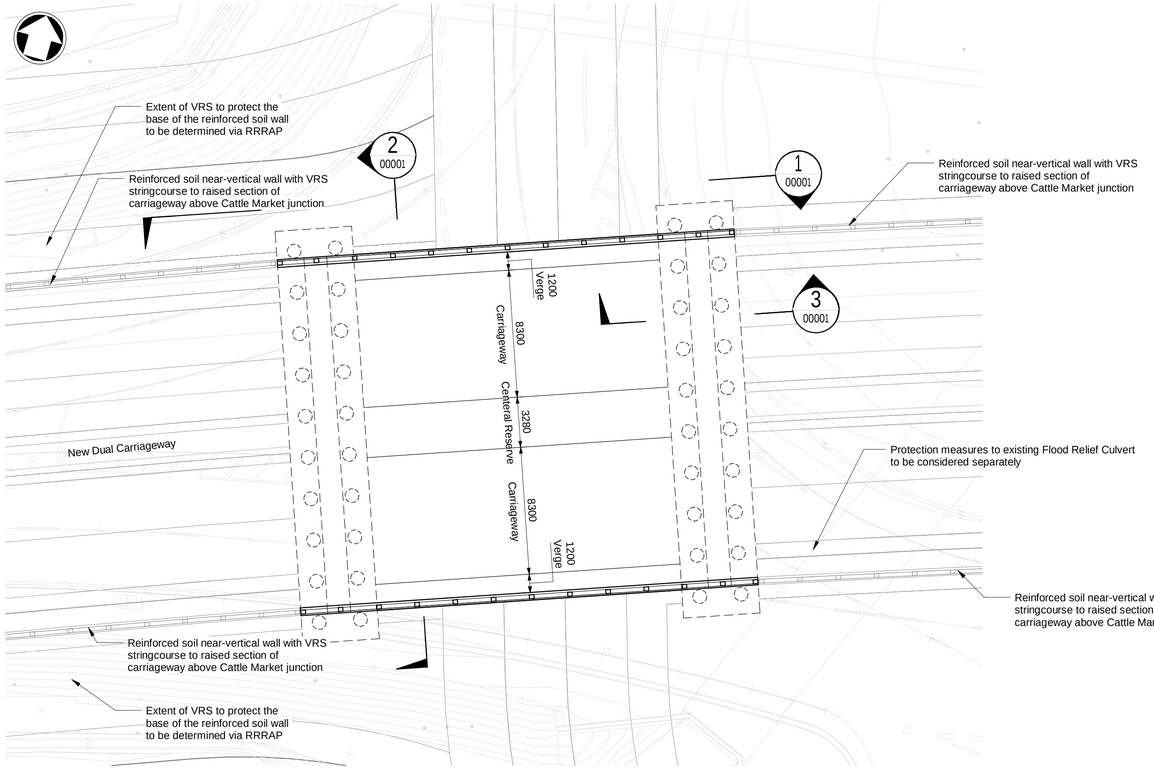
Drawing Number: HE551478 - SKAG - SBR - SECT1 - B04N - CB - 00001
(HE PIN | Originator | Volume | Location | Type | Role | Number)

Project Ref. No.: HE551478
Revision: P02



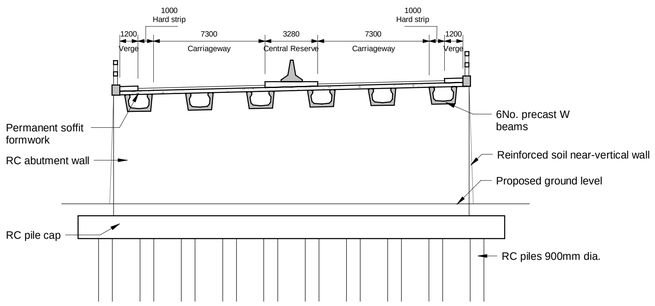
Elevation 1

1 : 200



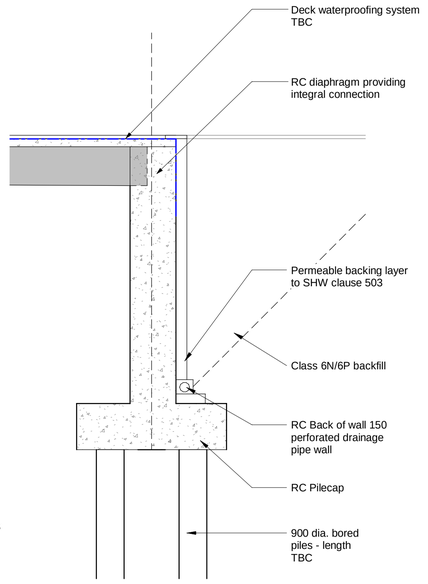
Bridge plan

1 : 200



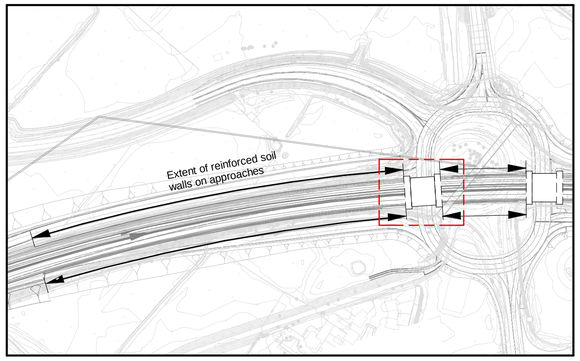
Elevation 2

1 : 200



Section 3

1 : 100



Location plan

1 : 2500

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	07.02.2023	AK	For information - environmental review	JC	
P02	28.02.2023	AK	Structures Options Report	JC	
P03	09.05.23	AK	Approval in Principle	JC	

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Client: national highways

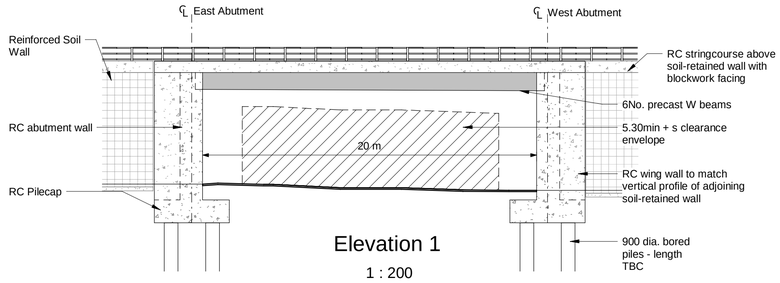
Drawing Status	Suitable for Review & Comment
Suitability	S3
Project Title	A46 Newark Bypass
Drawing Title	Cattle Market Bridge West General Arrangement

Scale	Designed	Drawn	Checked	Approved
As Shown	T. Jaffray	A. Khan	J. Cluett	C. Morley
Original Size	Date	Date	Date	Date
A1	07.02.2023	07.02.2023	07.02.2023	07.02.2023

Drawing Number: HE PIN | Originator | Volume
HE551478 - SKAG - SBR
SECT2 - B05N - DR - CB - 00001
Location | Type | Role | Number

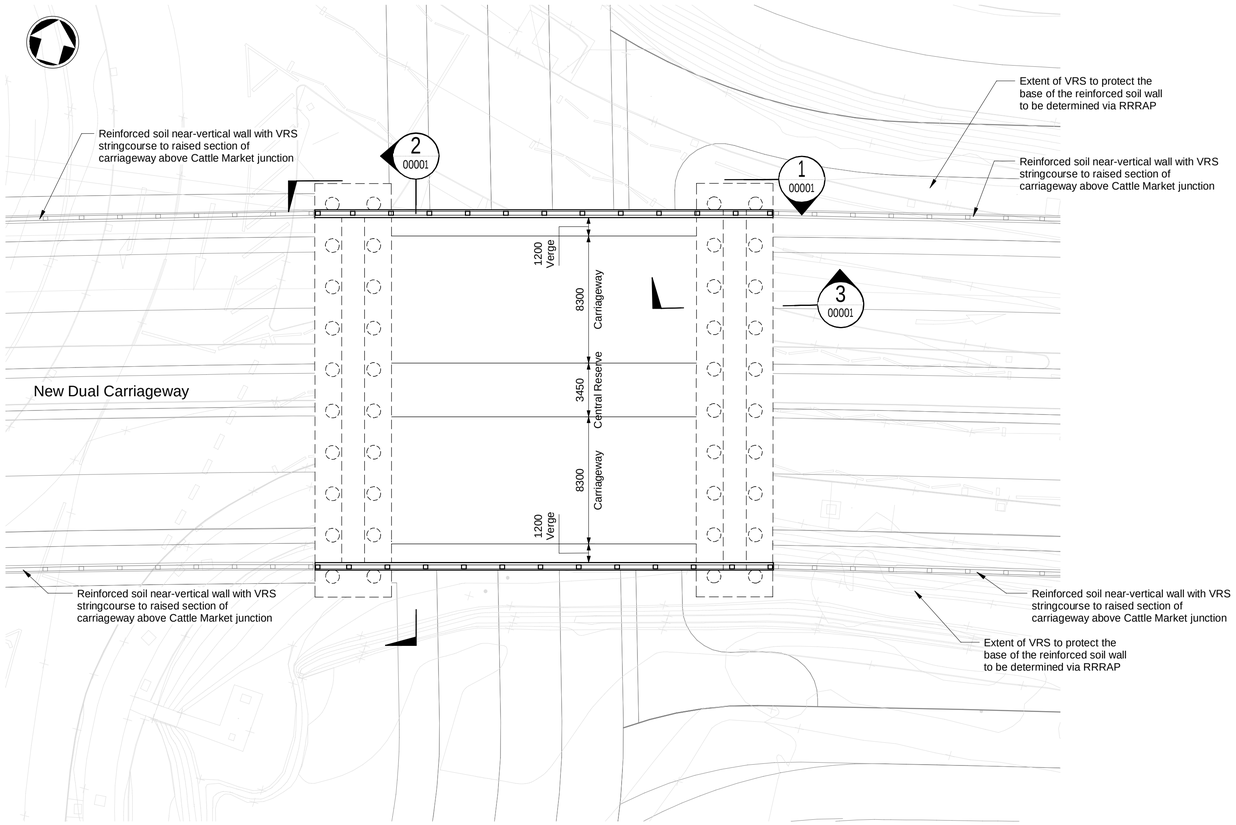
Project Ref. No.: HE551478

Revision: P03



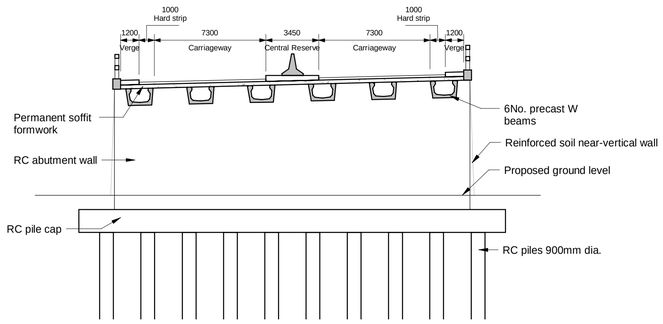
Elevation 1

1 : 200



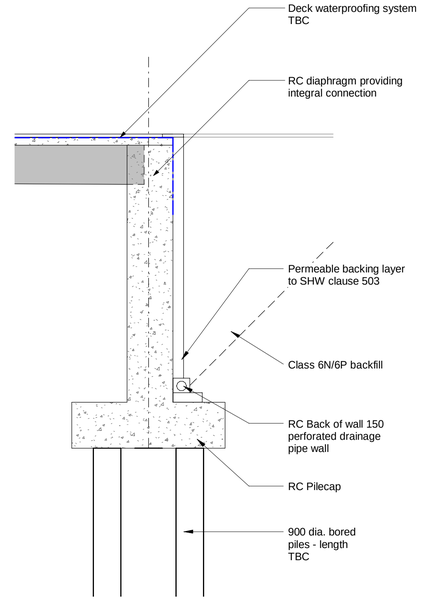
Bridge plan

1 : 200



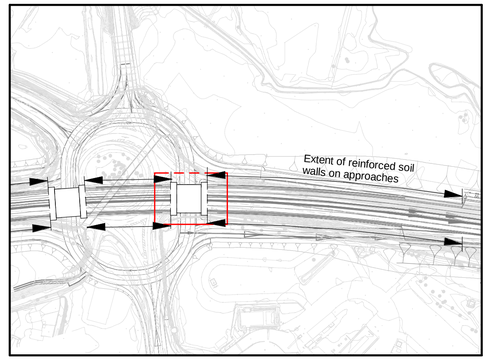
Elevation 2

1 : 200



Section 3

1 : 100



Location Plan

1 : 2500

Notes

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	07.02.23	AK	For information - environmental review	JC	
P02	28.02.23	AK	Structures Options Report	JC	
P03	09.05.23	AK	Approval in Principle	JC	

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Client: national highways

Drawing Status: Suitable for Review & Comment

Suitability: S3

Project Title: A46 Newark Bypass

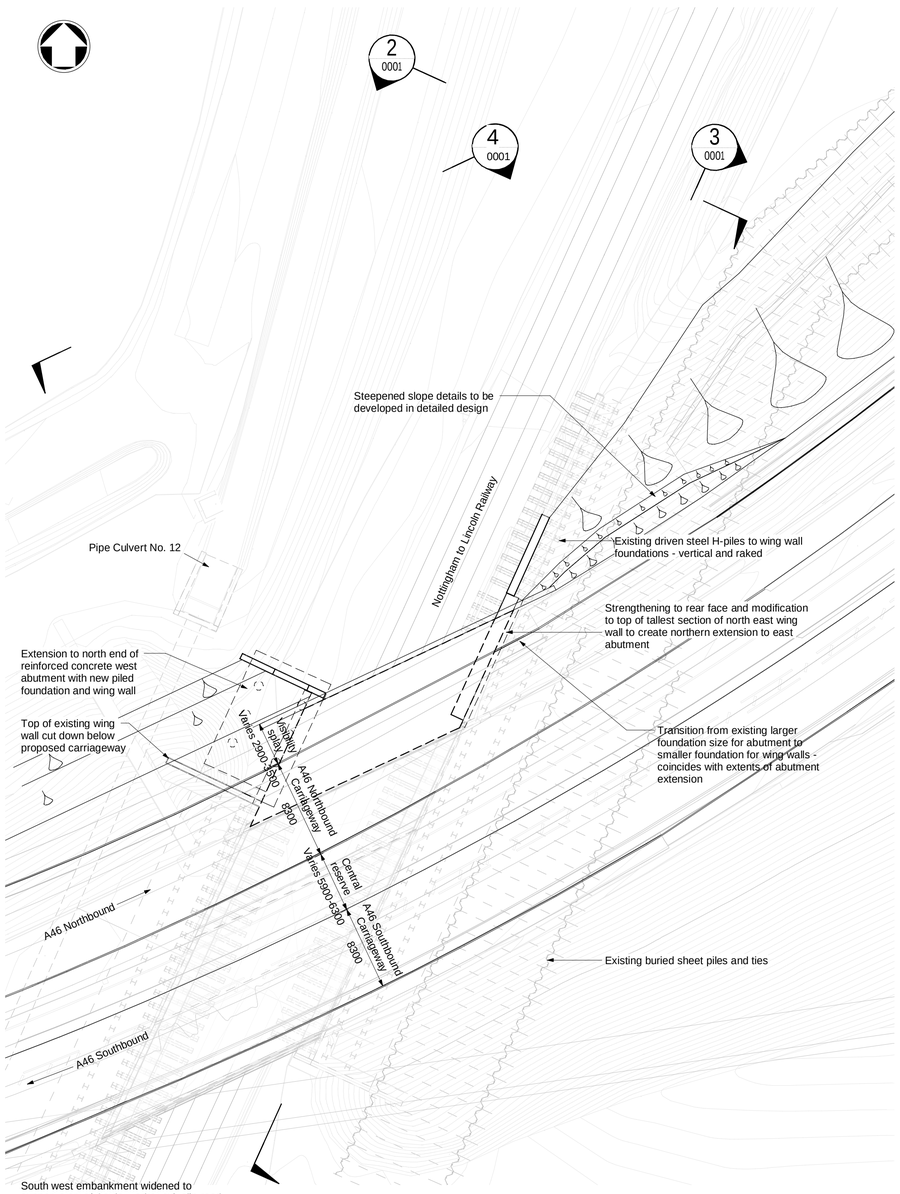
Drawing Title: Cattle Market Bridge East General Arrangement

Scale	Designed	Drawn	Checked	Approved
As Shown	T. Jaffray	A. Khan	J. Cluett	Approver
Original Size: A1	Date: 07.02.23	Date: 07.02.23	Date: 07.02.23	Date: 07.02.23

Drawing Number: HE PIN | Originator | Volume | Location | Type | Role | Number
HE551478 - SKAG - SBR
SECT2 - B06N - CB - 00001

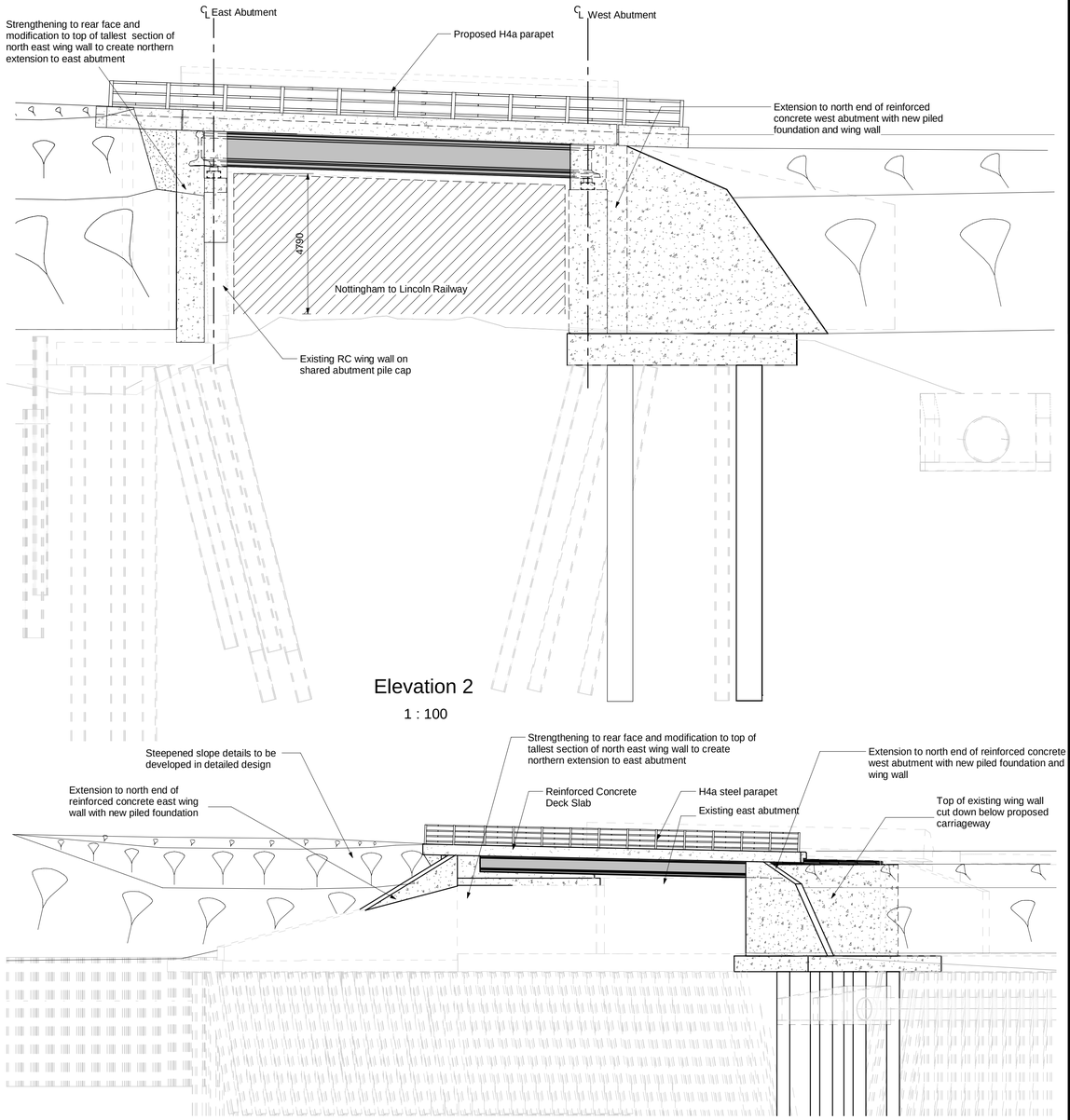
Project Ref. No.: HE551478

Revision: P03



Proposed plan Detail

1 : 300

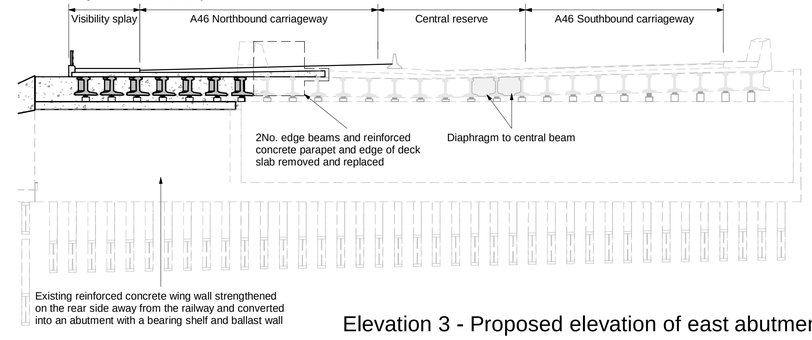


Elevation 2

1 : 100

Elevation 4 - Proposed north elevation

1 : 200



Elevation 3 - Proposed elevation of east abutment

1 : 200

Location Plan

1 : 2500

Notes

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	07.02.23	I.Onv	For Information - environmental review	JC	
P02	09.06.23	A.K	Structures options Report	JC	

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Client: national highways

Drawing Status	Suitability
Suitable for Review & Comment	S3

Project Title: A46 Newark Bypass

Drawing Title: Nottingham to Lincoln Railway Line East General Arrangement

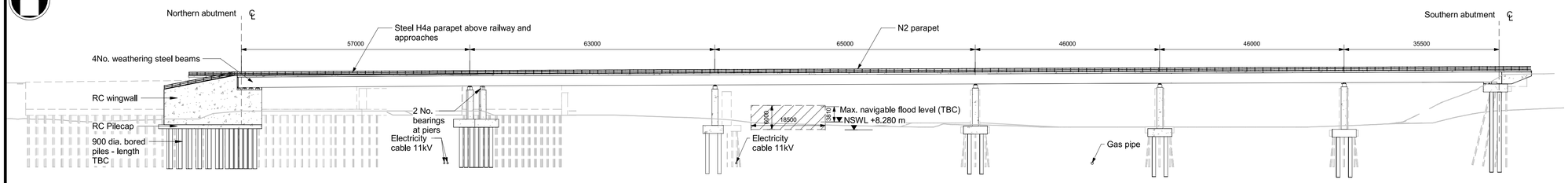
Scale	Designed	Drawn	Checked	Approved
As shown	D. Hughes	A. Khan	J. Cluett	Approver
Original Size	**Date**	**Date**	**Date**	**Date**
A1	07.02.2023	07.02.2023	07.02.2023	07.02.2023

Drawing Number: HE PIN | Originator | Volume | Location | Type | Role | Number

HE551478 - SKAG - SBR - SECT2 - B08N - CB - 0001

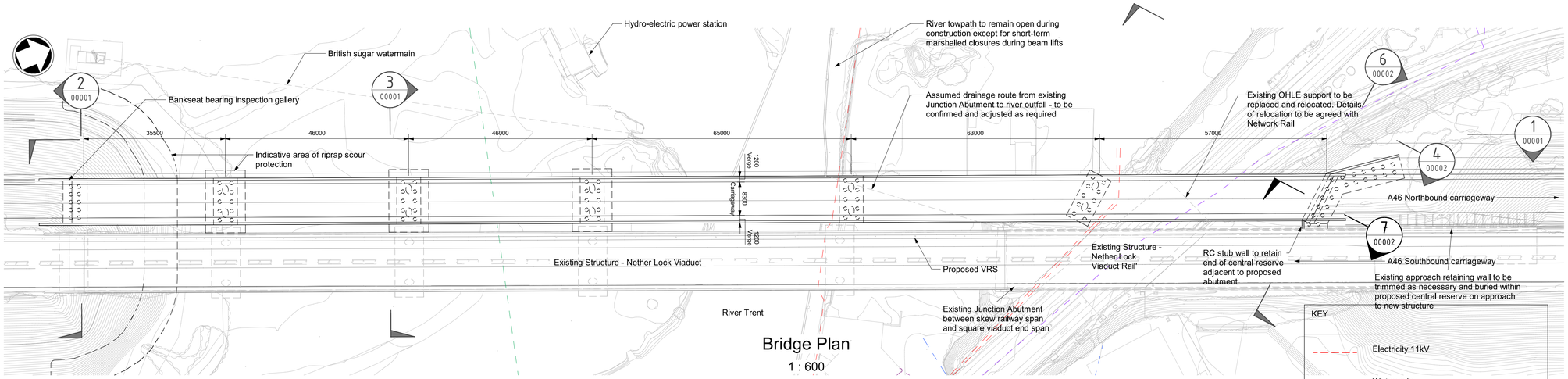
Project Ref. No.: HE551478

Revision: P02



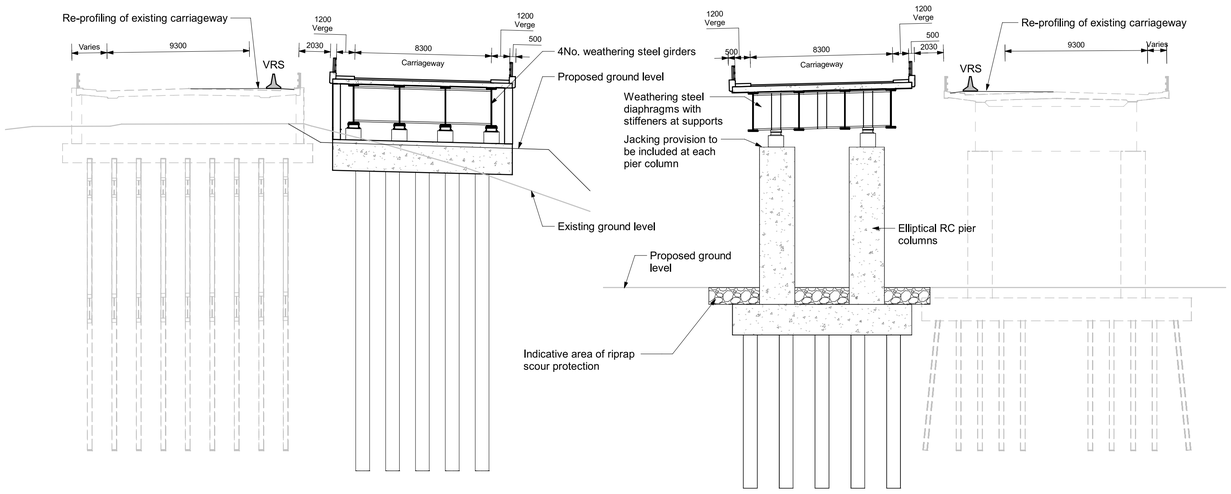
Elevation 1

1 : 600



Bridge Plan

1 : 600

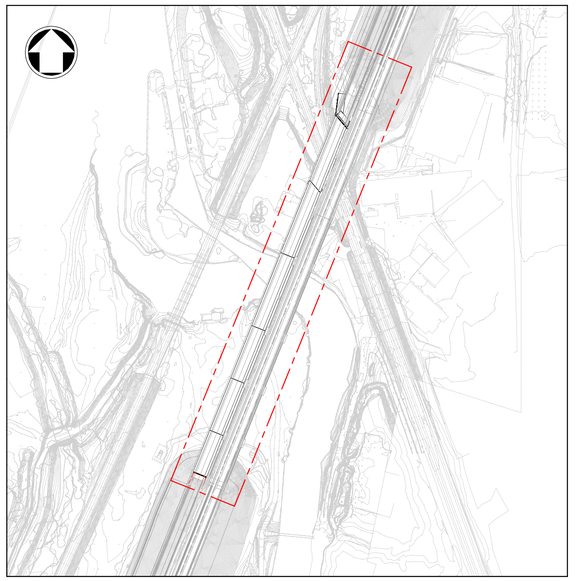


Elevation 2

1 : 200

Elevation 3

1 : 200



Location Plan

1 : 2500

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	01.03.23	I.Onv	For Information - enivotnmental review	JC	
P02	22.05.23	A.K	Structures Options Report	JC	

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Client: national highways

Drawing Status: Structures Options Report
Suitability: S3

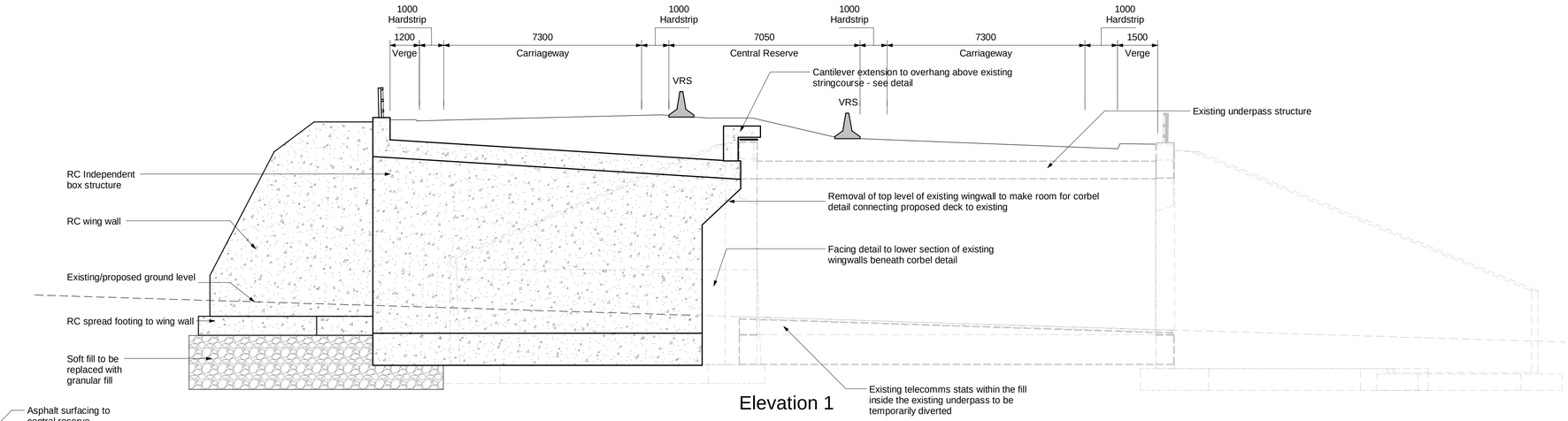
Project Title: A46 Newark Bypass

Drawing Title: Nether Lock Viaduct
Sheet 1 of 2 Option 2

Scale	Designed	Drawn	Checked	Approved
As shown	T. Jaffray	I. Onv	J. Cluett	
Original Size	Date	Date	Date	Date
A1	07.02.2023	07.02.2023	07.02.2023	07.02.2023

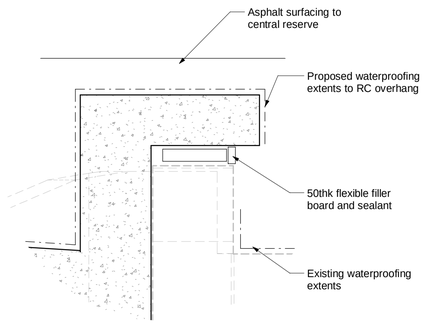
Drawing Number
HE PIN | Originator | Volume
HE551478 - SKAG - SBR
SECT2 - B09N - CB - 00001
Location | Type | Role | Number

Project Ref. No.: HE551478
Revision: P02



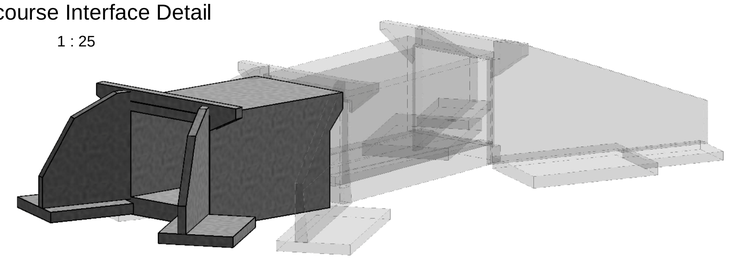
Elevation 1

1 : 100

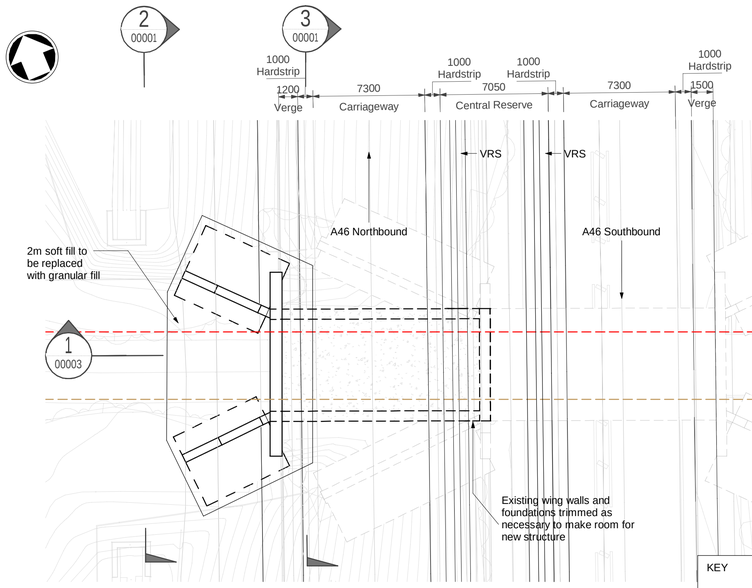


Stringcourse Interface Detail

1 : 25



Isometric view of corbel detail and interface with existing wingwall

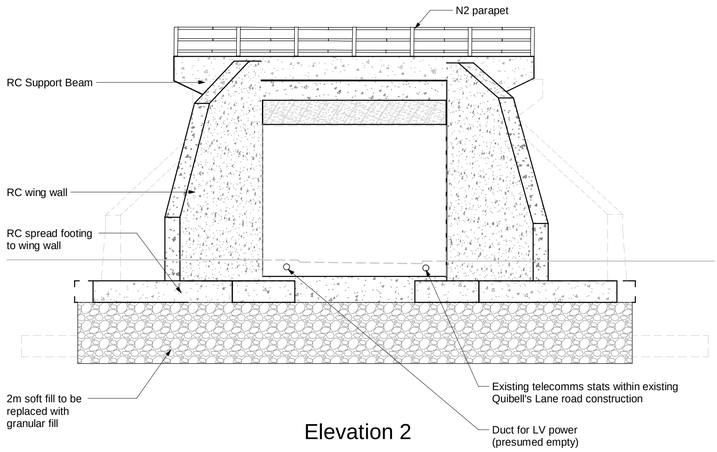


Bridge Plan

1 : 200

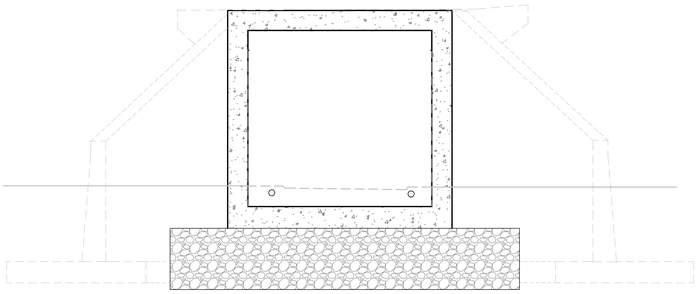
KEY

- Telecomms
- Duct for LV power (presumed empty)



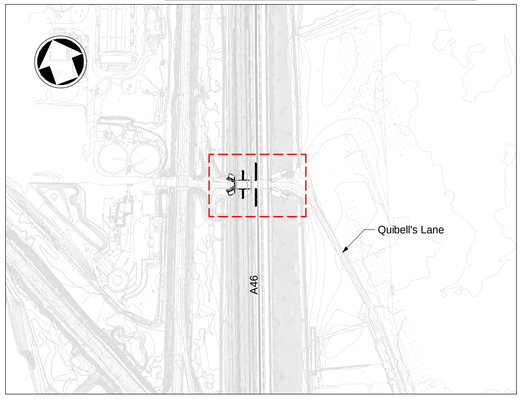
Elevation 2

1 : 100



Section 3

1 : 100



Location Plan

1 : 2500

Notes

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	07.02.23	I.Onv	For Information-Environmental Review	JC	
P02	26.06.23	A.K	Structures Option Report	TN	

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Client: national highways

Drawing Status: Suitable for Review & Comment
Suitability: S3

Project Title: A46 Newark Bypass

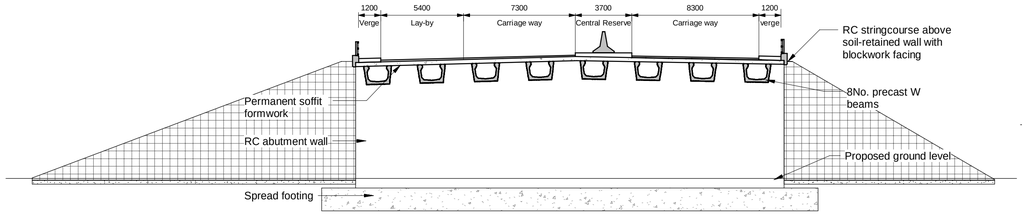
Drawing Title: Sewage Works Access Underpass General Arrangement Option 1

Scale	Designed	Drawn	Checked	Approved
As shown	D.Hughes	A.Khan	J.Cluett	
Original Size	Date	Date	Date	Date
A1	07.02.23	07.02.23	07.02.23	07.02.23

Drawing Number: HE551478 - SKAG - SBR SECT3 - B011N - CB - 00001
(HE PIN | Originator | Volume | Location | Type | Role | Number)

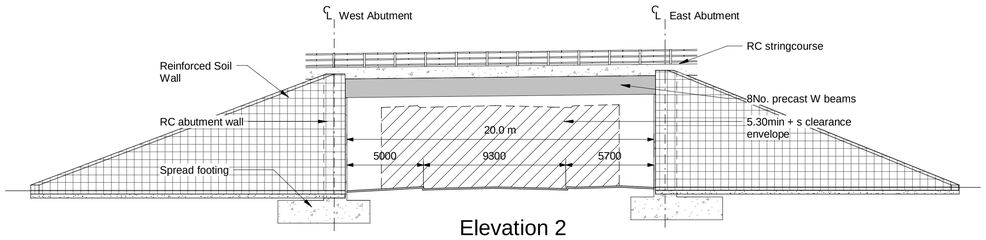
Project Ref. No.: HE551478

Revision: P02



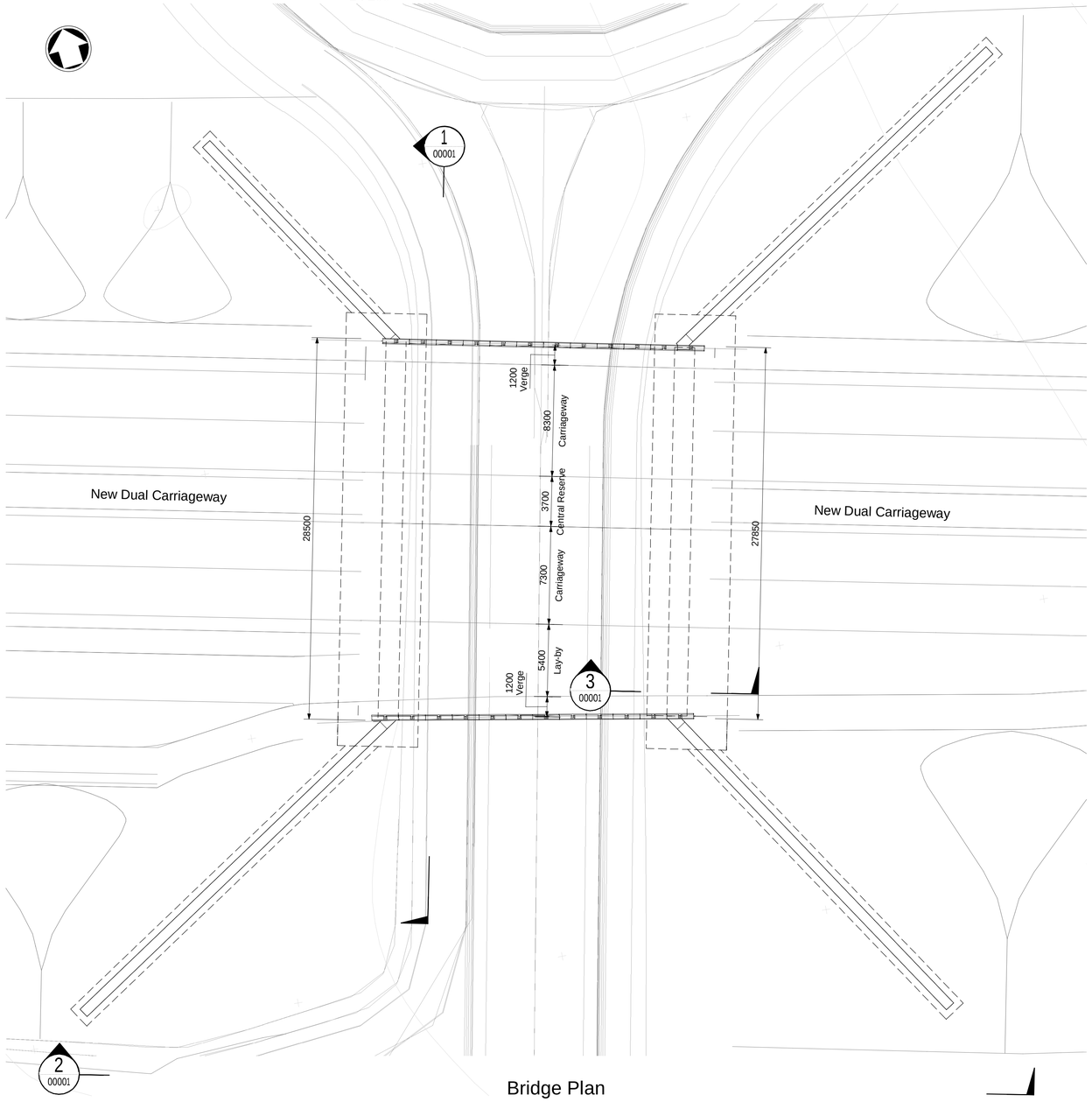
Section 1

1 : 200



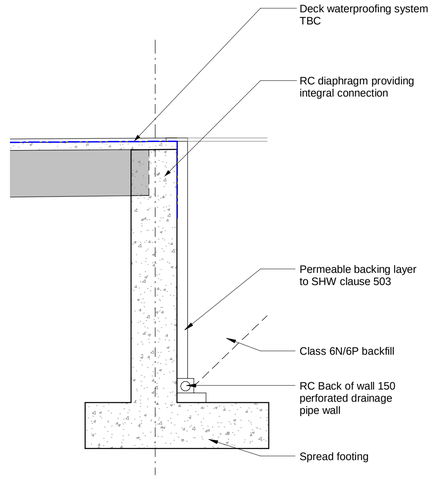
Elevation 2

1 : 200



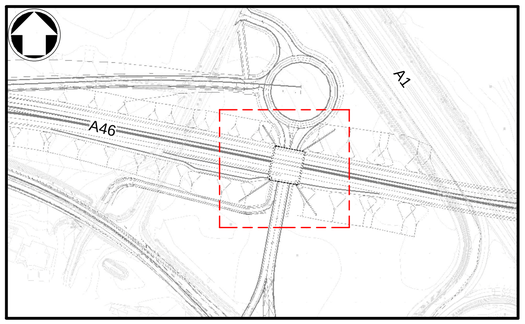
Bridge Plan

1 : 200



Section 3

1 : 100



Location Plan

1 : 2500

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless noted otherwise.
3. All levels and coordinates are in metres related to Ordnance Datum.
4. All chainages are in metres unless noted otherwise.
5. The lighter grey lines indicate existing topography with darker lines representing proposed details.

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	02.02.2023	AK	For information - environmental review	JC	
P02	28.02.2023	AK	Structures Options Report	JC	
P03	19.05.2023	AK	For Skanska Review and Comment	JC	

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Grosvenor Square
Southampton
SO15 2JU

Tel : +44 (0)23 8062 8800
www.mottmac.com

Client: national highways

Drawing Status: Suitable Review & Comment

Suitability: S3

Project Title: A46 Newark Bypass

Drawing Title: Brownhills Junction Underbridge General Arrangement

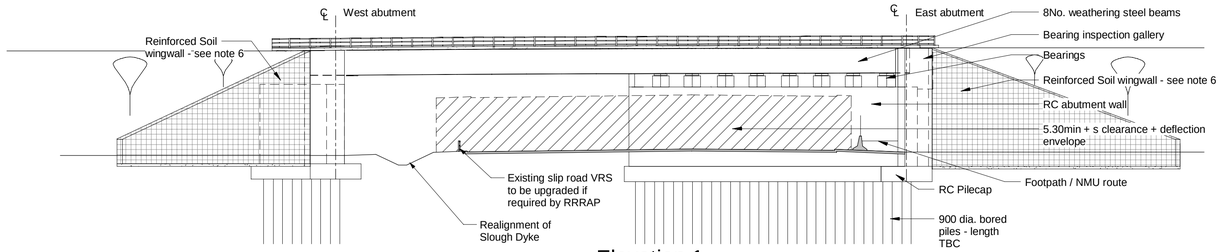
Scale	Designed	Drawn	Checked	Approved
As Shown	T. Jaffray	A. Khan	J. Cluett	
Original Size	Date	Date	Date	Date
A1	02.02.2023	02.02.2023	02.02.2023	02.02.2023

Drawing Number: HE551478 - SKAG - SBR - SECT3_ - B13N - CB - 00001

HE PIN | Originator | Volume | Location | Type | Role | Number

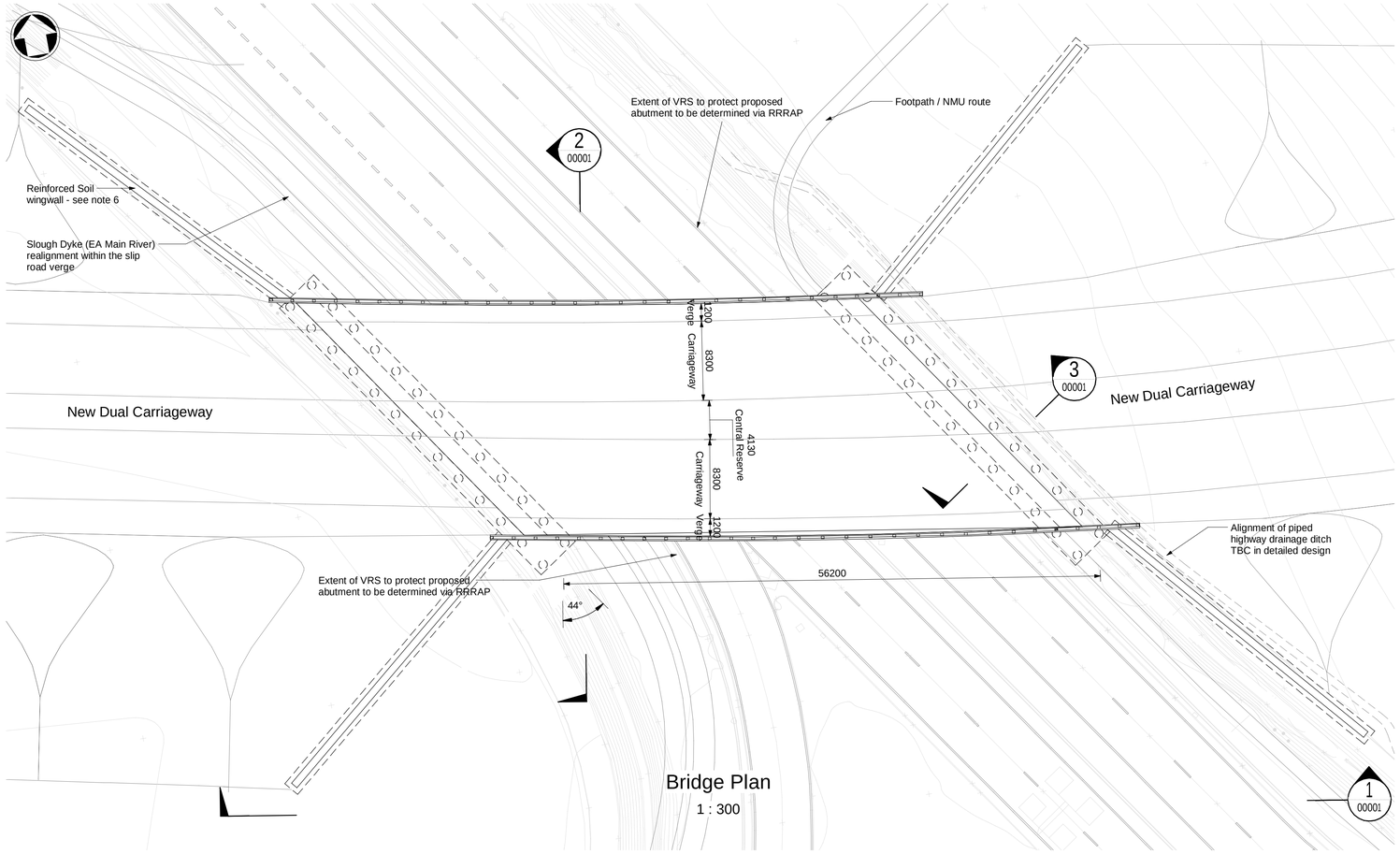
Project Ref. No.: HE551478

Revision: P03



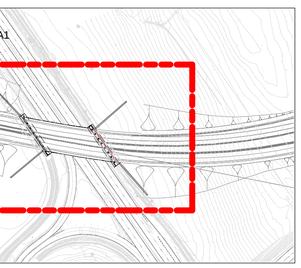
Elevation 1

1 : 300



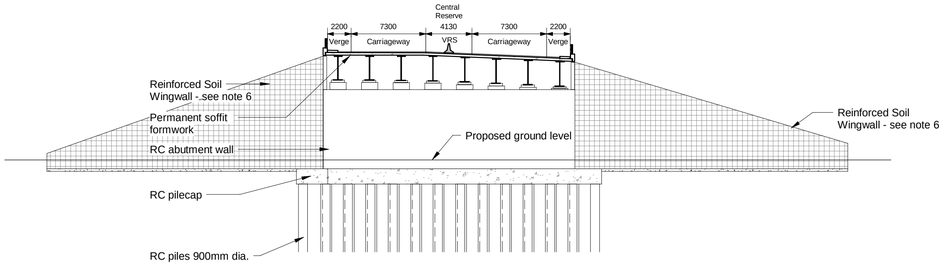
Bridge Plan

1 : 300



Section 3

1 : 100



Section 2

1 : 300

Location plan

1 : 2500

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless noted otherwise.
3. All levels and coordinates are in metres related to Ordnance Datum.
4. All chainages are in metres unless noted otherwise.
5. The lighter grey lines indicate existing topography with darker lines representing proposed details.
6. The type of wingwalls proposed will be dependent on the outcome of additional flood level modelling. The proposed reinforced soil detail may be replaced by reinforced concrete if the modelled flood levels become higher than currently determined.

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	02.02.2023	AK	For information - environmental review	JC	
P02	03.04.2023	AK	Structures Options Report	JC	
P02	03.04.2023	AK	Structures Options Report	JC	

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Tel : +44 (0)23 8062 8800
www.mottmac.com

Client: national highways

Drawing Status: Suitable for Review & Comment
Suitability: S3

Project Title: A46 Newark Bypass

Drawing Title: A1 / A46 Crossing General Arrangement

Scale	Designed	Drawn	Checked	Approved
As Shown	T. Jaffray	A. Khan	J. Cluett	C. Morley
Original Size	**Date**	**Date**	**Date**	**Date**
A1	02.02.2023	02.02.2023	02.02.2023	02.02.2023

Drawing Number: HE551478 - SKAG - SBR - SECT4 - B17N - CB - 00001
(HE PIN | Originator | Volume | Location | Type | Role | Number)

Project Ref. No.: HE551478

Revision: P02

Appendix H: HazWasteOnline™

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:

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

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

BRTJ7-RXPQM-YU97G

Job name

A46 Scheme

Description/Comments

It should be noted that hexavalent chromium (chromium VI) concentrations were found below laboratory detection limits within all samples, therefore for the purposes of this assessment it has been assumed that no chromic compounds are present.

The software assesses TPH (aliphatic and aromatic) for fractions C5 – C40, however testing results only provide the EPH hydrocarbon fractions for C5 – C40, therefore the results may be underrepresented. Further analysis will be needed to fully classify the material prior to any disposal. Unusual results e.g. WS46 should be discussed with the laboratory further.

Project

A46 Scheme - 6.5km between Farndon and Winthorpe

Site

A46

Classified by

Name:

Company:
Mott MacDonald Limited
Floor 4, Derwent House,
150 Arundel Gate,
S1 2JY

Date:
06 Jun 2023 14:28 GMT

Telephone:
+441142283830

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	Date
Hazardous Waste Classification	08 Dec 2022

Next 3 year Refresher due by Dec 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

N/A **Post Code** N/A

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Commercial - National Highways

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

Waste associated with the construction of the road, including earth works (embankments and cuttings), and waste arising from any accidents/spillages and maintenance of the road

Description of the waste

Variable made ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH02	0.6	Non Hazardous		6
2	BH03	0.5	Non Hazardous		9
3	BH03A	0.1	Non Hazardous		12
4	BH03A[2]	0.6	Non Hazardous		15
5	BH05	0.3	Non Hazardous		18
6	BH05[2]	3	Non Hazardous		22
7	BH06	0.4	Non Hazardous		26
8	BH06[2]	1.3	Non Hazardous		30
9	BH08	0.6	Non Hazardous		34
10	BH08[2]	8.6	Non Hazardous		38
11	BH08[3]	10.5	Non Hazardous		42
12	BH10	0.1	Non Hazardous		43
13	BH11	0.1	Hazardous	HP 3(i), HP 7, HP 11	46
14	BH11[2]	3.5	Non Hazardous		50
15	BH12	0.3	Non Hazardous		53
16	BH13	1.5	Non Hazardous		57
17	BH13[2]	14.4	Non Hazardous		61
18	BH14	0.4	Non Hazardous		65
19	BH15	0.7	Non Hazardous		68
20	BH16	0.1	Non Hazardous		71
21	BH16[2]	0.7	Non Hazardous		72
22	BH17	0.4	Non Hazardous		75
23	BH18	0.1	Unknown. Chemistry data not provided.		78
24	BH18[2]	0.5	Non Hazardous		79
25	BH18[3]	1.5	Non Hazardous		83
26	BH19	0.2	Non Hazardous		86
27	BH24	1	Non Hazardous		90
28	BH25	0.4	Non Hazardous		91
29	BH25[2]	1	Non Hazardous		92
30	BH25[3]	6	Unknown. Chemistry data not provided.		96
31	BH25[4]	6.2	Non Hazardous		97
32	BH26	0.9	Non Hazardous		101
33	BH26[2]	3.6	Unknown. Chemistry data not provided.		105
34	BH26[3]	4.6	Non Hazardous		106
35	BH27	5.4	Unknown. Chemistry data not provided.		110
36	BH28	1	Non Hazardous		111
37	BH28[2]	6.4	Non Hazardous		115
38	BH29	8.5	Unknown. Chemistry data not provided.		119
39	BH30	0.4	Non Hazardous		120
40	BH30[2]	1	Non Hazardous		124
41	BH30[3]	10.8	Non Hazardous		128
42	BH30[4]	11.7	Non Hazardous		132
43	BH31	11.8	Unknown. Chemistry data not provided.		136
44	BH32	0.4	Non Hazardous		137
45	BH32[2]	1	Non Hazardous		141
46	BH33	1	Non Hazardous		144
47	BH33[2]	2.2	Non Hazardous		148
48	BH33[3]	6.9	Non Hazardous		152
49	BH34	0.4	Non Hazardous		156
50	BH34[2]	0.9	Non Hazardous		160
51	BH34[3]	5.2	Non Hazardous		164
52	BH35	1	Non Hazardous		167
53	BH35[2]	1.7	Non Hazardous		171
54	BH35[3]	4.4	Non Hazardous		175
55	BH36	1	Non Hazardous		178
56	BH37	0.4	Non Hazardous		182
57	BH37[2]	4.2	Non Hazardous		186
58	BH38	0.4	Non Hazardous		189

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
59	BH38[2]	5.7	Non Hazardous		193
60	BH42	1	Non Hazardous		197
61	BH42[2]	9.8	Non Hazardous		201
62	BH42[3]	10.5	Non Hazardous		205
63	BH43	1.3	Non Hazardous		209
64	BH43[2]	6.9	Non Hazardous		213
65	BH43[3]	10.5	Unknown. Chemistry data not provided.		217
66	BH44	0.4	Non Hazardous		218
67	BH44[2]	1.4	Non Hazardous		219
68	BH44[3]	5.4	Non Hazardous		223
69	BH45	0.55	Non Hazardous		227
70	BH45[2]	7.5	Unknown. Chemistry data not provided.		228
71	BH45A	1.7	Non Hazardous		229
72	BH45A[2]	6.4	Non Hazardous		233
73	BH47	0.1	Non Hazardous		236
74	BH48	0.7	Non Hazardous		239
75	BH49	0.1	Unknown. Chemistry data not provided.		243
76	BH49[2]	0.5	Non Hazardous		244
77	BH51	0.1	Unknown. Chemistry data not provided.		247
78	BH52	0.1	Unknown. Chemistry data not provided.		248
79	BH53	0.1	Unknown. Chemistry data not provided.		249
80	BH53[2]	0.5	Non Hazardous		250
81	BH54	0.4	Non Hazardous		253
82	BH55	0.1	Non Hazardous		256
83	BH58	0.3	Non Hazardous		259
84	BH60	0.3	Unknown. Chemistry data not provided.		263
85	BH61	1.3	Non Hazardous		264
86	BH62	0.3	Non Hazardous		267
87	BH63	0.4	Non Hazardous		270
88	BH65	0.1	Non Hazardous		273
89	BH65[2]	0.4	Non Hazardous		276
90	BH66	0.1	Non Hazardous		277
91	BH66[2]	1	Non Hazardous		280
92	TP01	0.2	Non Hazardous		281
93	TP02	0.2	Non Hazardous		284
94	TP02[2]	1	Non Hazardous		287
95	TP04	1	Non Hazardous		288
96	TP05	1.6	Unknown. Chemistry data not provided.		289
97	TP08	0.5	Non Hazardous		290
98	TP08[2]	1.2	Unknown. Chemistry data not provided.		291
99	TP10	0.2	Non Hazardous		292
100	TP10[2]	1	Non Hazardous		295
101	TP13	0.2	Non Hazardous		296
102	TP13[2]	0.8	Non Hazardous		300
103	TP27	0.7	Non Hazardous		301
104	TP32	0.7	Non Hazardous		305
105	TP35	0.7	Non Hazardous		308
106	TP38	0.1	Non Hazardous		311
107	TP39	0.1	Non Hazardous		314
108	TP39[2]	0.4	Non Hazardous		317
109	TP42	0.7	Non Hazardous		318
110	TP43	0.6	Non Hazardous		321
111	TP46	0.1	Non Hazardous		325
112	TP49	0.1	Non Hazardous		328
113	TP50	0.8	Non Hazardous		331
114	WS04	0.1	Unknown. Chemistry data not provided.		334
115	WS04[2]	0.9	Non Hazardous		335

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
116	WS08	0.1	Unknown. Chemistry data not provided.		338
117	WS08[2]	0.7	Non Hazardous		339
118	WS10	0.1	Non Hazardous		342
119	WS12	0.1	Unknown. Chemistry data not provided.		345
120	WS13	0.9	Non Hazardous		346
121	WS15	0.1	Unknown. Chemistry data not provided.		349
122	WS17	0.6	Non Hazardous		350
123	WS23	0.1	Unknown. Chemistry data not provided.		353
124	WS23[2]	0.9	Non Hazardous		354
125	WS26	0.1	Non Hazardous		357
126	WS28	0.1	Unknown. Chemistry data not provided.		360
127	WS28[2]	0.7	Non Hazardous		361
128	WS29	0.1	Non Hazardous		364
129	WS46	2.3	Hazardous	HP 3(i), HP 7, HP 8, HP 11, HP 14	367
130	WS46[2]	3	Non Hazardous		372
131	WS48	0.6	Non Hazardous		376
132	WS48[2]	2.5	Unknown. Chemistry data not provided.		380
133	WS50A	1.5	Non Hazardous		381
134	WS50A[2]	2.5	Unknown. Chemistry data not provided.		385
135	WS54	0.6	Non Hazardous		386
136	WS54[2]	3	Unknown. Chemistry data not provided.		389
137	WS57	0.1	Unknown. Chemistry data not provided.		390
138	WS57[2]	1	Non Hazardous		391
139	WS64	0.1	Unknown. Chemistry data not provided.		394
140	WS64[2]	1.8	Non Hazardous		395
141	WS65	0.6	Non Hazardous		398
142	WS66	0.1	Non Hazardous		401
143	WS66[2]	0.9	Non Hazardous		402
144	WS68	0.1	Non Hazardous		405
145	WS69	0.1	Non Hazardous		408
146	WS72	0.1	Non Hazardous		411
147	WS72[2]	0.8	Non Hazardous		412
148	WS73	0.1	Non Hazardous		415
149	S3BH01	0.5	Non Hazardous		418
150	S3BH01[2]	1.4	Non Hazardous		420
151	S3BH02	0.5	Non Hazardous		422
152	S3BH02R	0.5	Non Hazardous		425
153	S3BH05	0.5	Non Hazardous		428
154	S3BH05[2]	1	Non Hazardous		431
155	S3BH05[3]	1.5	Non Hazardous		434
156	S3BH05[4]	1.65	Non Hazardous		437
157	S3BH05[5]	2.5	Non Hazardous		440
158	S3BH05[6]	2.9	Hazardous	HP 3(i), HP 7, HP 11	443
159	S3BH05[7]	3.2	Hazardous	HP 3(i), HP 7, HP 11	446
160	S3BH05[8]	4.9	Non Hazardous		449
161	S3BH05R	0.5	Non Hazardous		452
162	S3BH05R[2]	1	Non Hazardous		455
163	S3BH05R[3]	1.5	Non Hazardous		458
164	S3BH05R[4]	1.65	Non Hazardous		461
165	S3BH05R[5]	2.5	Non Hazardous		464
166	S3BH05R[6]	3.2	Non Hazardous		467
167	S3BH06	0.2	Non Hazardous		470
168	S3BH06[2]	1.2	Non Hazardous		473
169	S3BH06R	0.2	Non Hazardous		476
170	S3BH06R[2]	1.2	Non Hazardous		479
171	S3BH06R[3]	3	Non Hazardous		482
172	S3BH07R	0.8	Non Hazardous		485
173	S3BH07R[2]	1.2	Non Hazardous		488

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
174	S3BH07R[3]	2	Non Hazardous		491
175	S3BH07R[4]	3.3	Non Hazardous		494
176	S3BH08B	0.2	Non Hazardous		497
177	S3BH08B[2]	1.4	Non Hazardous		500
178	S3BH09R	1	Non Hazardous		503
179	S3BH11	0.5	Non Hazardous		506
180	S3BH11[2]	2.5	Non Hazardous		508
181	S3BH14R	0.2	Non Hazardous		510
182	S3BH14R[2]	0.5	Non Hazardous		513
183	S3BH14R[3]	1	Non Hazardous		516
184	S3BH15	0.5	Non Hazardous		519
185	S3BH15[2]	6.9	Non Hazardous		522
186	S3TP06	0.2	Non Hazardous		524
187	S3TP07	1	Non Hazardous		526
188	S3TP08	0.5	Non Hazardous		528
189	S3TP10	0.2	Non Hazardous		530
190	S3TP18	0.5	Non Hazardous		532
191	S3TP19	1	Non Hazardous		534
192	S3TP21	0.5	Non Hazardous		536
193	S3TP22	0.5	Non Hazardous		539
194	S3TP23	0.5	Non Hazardous		541
195	S3TP24	0.2	Non Hazardous		544
196	S3TP24[2]	2	Non Hazardous		547
197	S3TP25	1	Non Hazardous		550
198	S3TP26	0.2	Non Hazardous		552
199	S3TP27	1	Non Hazardous		554
200	S3TP29	0.5	Non Hazardous		556
201	S3TP34	0.2	Non Hazardous		558
202	S3WS01	0.5	Non Hazardous		560
203	S3WS04	0.5	Non Hazardous		563
204	S3WS07	0.5	Non Hazardous		565
205	S3WS07R	0.5	Non Hazardous		568
206	S3BH16	0.5	Non Hazardous		571
207	S3BH17	1	Non Hazardous		573
208	S3TP36	0.5	Non Hazardous		575
209	S3TP38	1	Non Hazardous		577
210	S3TP41	0.5	Non Hazardous		579
211	S3TP42	0.5	Non Hazardous		581
212	S3TP43	0.8	Non Hazardous		583
213	S3TP39	0.5	Non Hazardous		585

Related documents

#	Name	Description
1	MM standard waste stream for soils	waste stream template used to create this Job

Report

Created by: Created date: 06 Jun 2023 14:28 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	587
Appendix B: Rationale for selection of metal species	590
Appendix C: Version	591

Classification of sample: BH02

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

Sample details

Sample name:
BH02
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.4 mg/kg	1.32	16.372 mg/kg	0.00164 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.2 mg/kg	1.142	2.513 mg/kg	0.000251 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26.4 mg/kg	1.462	38.585 mg/kg	0.00386 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		39.6 mg/kg	1.126	44.585 mg/kg	0.00446 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		27600 mg/kg	1.43	39460.957 mg/kg	3.946 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	251 mg/kg		251 mg/kg	0.0251 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		31.7 mg/kg	2.637	83.583 mg/kg	0.00836 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34.6 mg/kg	1.785	61.767 mg/kg	0.00618 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		270 mg/kg	2.469	666.71 mg/kg	0.0667 %		
14	pH			PH		7.87 pH		7.87 pH	7.87 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				0.0379 mg/kg		0.0379 mg/kg	0.00000379 %		
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.096 mg/kg		0.096 mg/kg	0.0000096 %		
			205-912-4	206-44-0							
29		pyrene				0.0852 mg/kg		0.0852 mg/kg	0.00000852 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.0494 mg/kg		0.0494 mg/kg	0.00000494 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.0502 mg/kg		0.0502 mg/kg	0.00000502 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.0827 mg/kg		0.0827 mg/kg	0.00000827 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				0.0308 mg/kg		0.0308 mg/kg	0.00000308 %		
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.0514 mg/kg		0.0514 mg/kg	0.00000514 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.0394 mg/kg		0.0394 mg/kg	0.00000394 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				0.044 mg/kg		0.044 mg/kg	0.0000044 %		
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		tetrachloroethylene				<		<	<		ND
		602-028-00-4	204-825-9	127-18-4							
40		cumene; [1] propylbenzene [2]				<		<	<		ND
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							

#		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							
41		1,3-dichlorbenzene				<		<	<		ND
		602-067-00-7	208-792-1	541-73-1							
								Total:	4.067 %		

Key

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

Classification of sample: BH03

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

Sample details

Sample name:
BH03
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.2 mg/kg	1.32	17.428 mg/kg	0.00174 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.63 mg/kg	1.142	1.862 mg/kg	0.000186 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.5 mg/kg	1.462	40.193 mg/kg	0.00402 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29.4 mg/kg	1.126	33.101 mg/kg	0.00331 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		25800 mg/kg	1.43	36887.417 mg/kg	3.689 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	139 mg/kg		139 mg/kg	0.0139 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		27.6 mg/kg	2.637	72.773 mg/kg	0.00728 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		36.9 mg/kg	1.785	65.873 mg/kg	0.00659 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		197 mg/kg	2.469	486.451 mg/kg	0.0486 %		
14	pH			PH		7.87 pH		7.87 pH	7.87 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.045 mg/kg		<0.045 mg/kg	<0.0000045 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	phenanthrene		201-581-5	85-01-8		0.184 mg/kg		0.184 mg/kg	0.0000184 %		
27	anthracene		204-371-1	120-12-7		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
28	fluoranthene		205-912-4	206-44-0		0.488 mg/kg		0.488 mg/kg	0.0000488 %		
29	pyrene		204-927-3	129-00-0		0.442 mg/kg		0.442 mg/kg	0.0000442 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.319 mg/kg		0.319 mg/kg	0.0000319 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		0.308 mg/kg		0.308 mg/kg	0.0000308 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.566 mg/kg		0.566 mg/kg	0.0000566 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.198 mg/kg		0.198 mg/kg	0.0000198 %		
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.392 mg/kg		0.392 mg/kg	0.0000392 %		
35	indeno[123-cd]pyrene		205-893-2	193-39-5		0.4 mg/kg		0.4 mg/kg	0.00004 %		
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.115 mg/kg		<0.115 mg/kg	<0.0000115 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		0.347 mg/kg		0.347 mg/kg	0.0000347 %		
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	3.779 %		

Key

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

Classification of sample: BH03A

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

Sample details

Sample name:
BH03A
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.4 mg/kg	1.32	15.052 mg/kg	0.00151 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.72 mg/kg	1.142	1.965 mg/kg	0.000196 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.9 mg/kg	1.462	37.854 mg/kg	0.00379 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24.5 mg/kg	1.126	27.584 mg/kg	0.00276 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31000 mg/kg	1.43	44322.09 mg/kg	4.432 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	155 mg/kg		155 mg/kg	0.0155 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.137 mg/kg	1.353	0.185 mg/kg	0.0000185 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32.1 mg/kg	2.637	84.638 mg/kg	0.00846 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		36.1 mg/kg	1.785	64.445 mg/kg	0.00644 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		213 mg/kg	2.469	525.96 mg/kg	0.0526 %		
14	pH			PH		7.54 pH		7.54 pH	7.54 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	4.528 %		

Key

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

Classification of sample: BH03A[2]

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

Sample details

Sample name:
BH03A[2]
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.3 mg/kg	1.32	14.92 mg/kg	0.00149 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.78 mg/kg	1.142	2.033 mg/kg	0.000203 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.3 mg/kg	1.462	34.054 mg/kg	0.00341 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31300 mg/kg	1.43	44751.013 mg/kg	4.475 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	149 mg/kg		149 mg/kg	0.0149 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32.3 mg/kg	2.637	85.165 mg/kg	0.00852 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33.9 mg/kg	1.785	60.518 mg/kg	0.00605 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		208 mg/kg	2.469	513.614 mg/kg	0.0514 %		
14	pH			PH		7.66 pH		7.66 pH	7.66 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	4.568 %		

Key

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

Classification of sample: BH05

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

Sample details

Sample name:
BH05
Sample Depth:
0.3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.84 mg/kg	1.32	1.109 mg/kg	0.000111 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.422 mg/kg	1.142	0.482 mg/kg	0.0000482 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		232 mg/kg	1.462	339.081 mg/kg	0.0339 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14.3 mg/kg	1.126	16.1 mg/kg	0.00161 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		21500 mg/kg	1.43	30739.514 mg/kg	3.074 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	83.5 mg/kg		83.5 mg/kg	0.00835 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12.1 mg/kg	2.637	31.904 mg/kg	0.00319 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.45 mg/kg	1.405	2.037 mg/kg	0.000204 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		177 mg/kg	1.785	315.978 mg/kg	0.0316 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70 mg/kg	2.469	172.851 mg/kg	0.0173 %		
14	pH			PH		11.4 pH		11.4 pH	11.4 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				676 mg/kg		676 mg/kg	0.0676 %		
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.045 mg/kg		<0.045 mg/kg	<0.0000045 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				0.222 mg/kg		0.222 mg/kg	0.0000222 %		
			201-469-6	83-32-9							
25		fluorene				0.186 mg/kg		0.186 mg/kg	0.0000186 %		
			201-695-5	86-73-7							
26		phenanthrene				2.09 mg/kg		2.09 mg/kg	0.000209 %		
			201-581-5	85-01-8							
27		anthracene				0.717 mg/kg		0.717 mg/kg	0.0000717 %		
			204-371-1	120-12-7							
28		fluoranthene				5.28 mg/kg		5.28 mg/kg	0.000528 %		
			205-912-4	206-44-0							
29		pyrene				5.37 mg/kg		5.37 mg/kg	0.000537 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				2.58 mg/kg		2.58 mg/kg	0.000258 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				3.52 mg/kg		3.52 mg/kg	0.000352 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				2.33 mg/kg		2.33 mg/kg	0.000233 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				3.02 mg/kg		3.02 mg/kg	0.000302 %		
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				2.09 mg/kg		2.09 mg/kg	0.000209 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				0.316 mg/kg		0.316 mg/kg	0.0000316 %		
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				3.03 mg/kg		3.03 mg/kg	0.000303 %		
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.243 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0676%)

Classification of sample: BH05[2]

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

Sample details

Sample name:
BH05[2]
Sample Depth:
3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.4 mg/kg	1.32	15.052 mg/kg	0.00151 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.5 mg/kg	1.142	1.713 mg/kg	0.000171 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.2 mg/kg	1.462	20.754 mg/kg	0.00208 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.2 mg/kg	1.126	18.239 mg/kg	0.00182 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31900 mg/kg	1.43	45608.86 mg/kg	4.561 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	56.8 mg/kg		56.8 mg/kg	0.00568 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.116 mg/kg	1.353	0.157 mg/kg	0.0000157 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		31.5 mg/kg	2.637	83.056 mg/kg	0.00831 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		36.9 mg/kg	1.785	65.873 mg/kg	0.00659 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		195 mg/kg	2.469	481.513 mg/kg	0.0482 %		
14	pH			PH		7.26 pH		7.26 pH	7.26 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				0.0114 mg/kg		0.0114 mg/kg	0.00000114 %		
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				0.0487 mg/kg		0.0487 mg/kg	0.00000487 %		
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.0898 mg/kg		0.0898 mg/kg	0.00000898 %		
			205-912-4	206-44-0							
29		pyrene				0.0813 mg/kg		0.0813 mg/kg	0.00000813 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.0383 mg/kg		0.0383 mg/kg	0.00000383 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.0409 mg/kg		0.0409 mg/kg	0.00000409 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.0263 mg/kg		0.0263 mg/kg	0.00000263 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.0325 mg/kg		0.0325 mg/kg	0.00000325 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.0266 mg/kg		0.0266 mg/kg	0.00000266 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.64 %		

Key

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

Classification of sample: BH06

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

Sample details

Sample name:
BH06
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.08 mg/kg	1.32	2.746 mg/kg	0.000275 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.312 mg/kg	1.142	0.356 mg/kg	0.0000356 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.6 mg/kg	1.462	3.8 mg/kg	0.00038 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.81 mg/kg	1.126	5.416 mg/kg	0.000542 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		3460 mg/kg	1.43	4946.917 mg/kg	0.495 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.33 mg/kg		4.33 mg/kg	0.000433 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.06 mg/kg	2.637	5.432 mg/kg	0.000543 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.48 mg/kg	1.785	7.998 mg/kg	0.0008 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		29.9 mg/kg	2.469	73.832 mg/kg	0.00738 %		
14	pH			PH		8.91 pH		8.91 pH	8.91 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.51 %		

Key

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

Classification of sample: BH06[2]

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

Sample details

Sample name:
BH06[2]
Sample Depth:
1.3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.52 mg/kg	1.32	11.249 mg/kg	0.00112 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.791 mg/kg	1.142	0.904 mg/kg	0.0000904 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.1 mg/kg	1.462	19.146 mg/kg	0.00191 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.1 mg/kg	1.126	14.749 mg/kg	0.00147 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		21400 mg/kg	1.43	30596.539 mg/kg	3.06 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	40.6 mg/kg		40.6 mg/kg	0.00406 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		16.9 mg/kg	2.637	44.56 mg/kg	0.00446 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		29.1 mg/kg	1.785	51.949 mg/kg	0.00519 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		123 mg/kg	2.469	303.723 mg/kg	0.0304 %		
14	pH			PH		8.2 pH		8.2 pH	8.2 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.113 %		

Key

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

Classification of sample: BH08

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

Sample details

Sample name:
BH08
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.2 mg/kg	1.32	21.389 mg/kg	0.00214 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.28 mg/kg	1.142	0.32 mg/kg	0.000032 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<**LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.06 mg/kg	1.126	10.201 mg/kg	0.00102 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		50800 mg/kg	1.43	72631.037 mg/kg	7.263 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22.6 mg/kg		22.6 mg/kg	0.00226 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.154 mg/kg	1.353	0.208 mg/kg	0.0000208 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19.4 mg/kg	2.637	51.152 mg/kg	0.00512 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		42.8 mg/kg	1.785	76.406 mg/kg	0.00764 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		61.6 mg/kg	2.469	152.109 mg/kg	0.0152 %		
14	pH			PH		9.09 pH		9.09 pH	9.09 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				0.0166 mg/kg		0.0166 mg/kg	0.00000166 %		
			205-917-1	208-96-8							
24		acenaphthene				0.0167 mg/kg		0.0167 mg/kg	0.00000167 %		
			201-469-6	83-32-9							
25		fluorene				0.0258 mg/kg		0.0258 mg/kg	0.00000258 %		
			201-695-5	86-73-7							
26		phenanthrene				0.288 mg/kg		0.288 mg/kg	0.0000288 %		
			201-581-5	85-01-8							
27		anthracene				0.0566 mg/kg		0.0566 mg/kg	0.00000566 %		
			204-371-1	120-12-7							
28		fluoranthene				0.448 mg/kg		0.448 mg/kg	0.0000448 %		
			205-912-4	206-44-0							
29		pyrene				0.368 mg/kg		0.368 mg/kg	0.0000368 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.193 mg/kg		0.193 mg/kg	0.0000193 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.184 mg/kg		0.184 mg/kg	0.0000184 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.235 mg/kg		0.235 mg/kg	0.0000235 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				0.117 mg/kg		0.117 mg/kg	0.0000117 %		
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.196 mg/kg		0.196 mg/kg	0.0000196 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.142 mg/kg		0.142 mg/kg	0.0000142 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				0.122 mg/kg		0.122 mg/kg	0.0000122 %		
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	7.302 %		

Key

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

Classification of sample: BH08[2]

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

Sample details

Sample name:
BH08[2]
Sample Depth:
8.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.8 mg/kg	1.32	15.58 mg/kg	0.00156 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.39 mg/kg	3.22	4.476 mg/kg	0.000448 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.26 mg/kg	1.142	0.297 mg/kg	0.0000297 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.88 mg/kg	1.126	7.746 mg/kg	0.000775 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		26500 mg/kg	1.43	37888.238 mg/kg	3.789 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.85 mg/kg		8.85 mg/kg	0.000885 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		11.4 mg/kg	2.637	30.058 mg/kg	0.00301 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13 mg/kg	1.785	23.207 mg/kg	0.00232 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		44.9 mg/kg	2.469	110.871 mg/kg	0.0111 %		
14	pH			PH		7.87 pH		7.87 pH	7.87 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.814 %		

Key

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

Classification of sample: BH08[3]

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

Sample details

Sample name:
BH08[3]
Sample Depth:
10.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH10

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

Sample details

Sample name:		LoW Code:	
BH10		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.7	mg/kg	1.32	20.729	mg/kg	0.00207 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.28	mg/kg	3.22	4.121	mg/kg	0.000412 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.13	mg/kg	1.142	2.433	mg/kg	0.000243 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33	mg/kg	1.462	48.231	mg/kg	0.00482 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		79.5	mg/kg	1.126	89.508	mg/kg	0.00895 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		24900	mg/kg	1.43	35600.646	mg/kg	3.56 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	246	mg/kg		246	mg/kg	0.0246 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.584	mg/kg	1.353	0.79	mg/kg	0.000079 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		33.6	mg/kg	2.637	88.593	mg/kg	0.00886 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34.8	mg/kg	1.785	62.124	mg/kg	0.00621 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		391	mg/kg	2.469	965.495	mg/kg	0.0965 %		
14	pH			PH		8.1	pH		8.1	pH	8.1 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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**
16	TPH (C6 to C40) petroleum group			TPH		138 mg/kg		138 mg/kg	0.0138 %		
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<**LOD**
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
22	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0586 mg/kg		0.0586 mg/kg	0.00000586 %		
23	acenaphthylene		205-917-1	208-96-8		0.17 mg/kg		0.17 mg/kg	0.000017 %		
24	acenaphthene		201-469-6	83-32-9		0.0425 mg/kg		0.0425 mg/kg	0.00000425 %		
25	fluorene		201-695-5	86-73-7		0.11 mg/kg		0.11 mg/kg	0.000011 %		
26	phenanthrene		201-581-5	85-01-8		1.28 mg/kg		1.28 mg/kg	0.000128 %		
27	anthracene		204-371-1	120-12-7		0.281 mg/kg		0.281 mg/kg	0.0000281 %		
28	fluoranthene		205-912-4	206-44-0		2.24 mg/kg		2.24 mg/kg	0.000224 %		
29	pyrene		204-927-3	129-00-0		1.83 mg/kg		1.83 mg/kg	0.000183 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.26 mg/kg		1.26 mg/kg	0.000126 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		1.17 mg/kg		1.17 mg/kg	0.000117 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.62 mg/kg		1.62 mg/kg	0.000162 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.541 mg/kg		0.541 mg/kg	0.0000541 %		
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.22 mg/kg		1.22 mg/kg	0.000122 %		
35	indeno[123-cd]pyrene		205-893-2	193-39-5		0.813 mg/kg		0.813 mg/kg	0.0000813 %		
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.163 mg/kg		0.163 mg/kg	0.0000163 %		
37	benzo[ghi]perylene		205-883-8	191-24-2		0.706 mg/kg		0.706 mg/kg	0.0000706 %		
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
								Total:	3.729 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0138%)

Classification of sample: BH11

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH11
Sample Depth:
0.1 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.176%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.176%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.176%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.95 mg/kg	1.32	7.856 mg/kg	0.000786 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.61 mg/kg	1.142	0.697 mg/kg	0.0000697 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13 mg/kg	1.462	19 mg/kg	0.0019 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
5		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.4	mg/kg	1.126	24.094	mg/kg	0.00241 %		
7		iron { iron (III) oxide }		215-168-2	1309-37-1		11900	mg/kg	1.43	17013.963	mg/kg	1.701 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	43.9	mg/kg		43.9	mg/kg	0.00439 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		11	mg/kg	2.637	29.004	mg/kg	0.0029 %		
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		16.3	mg/kg	1.785	29.099	mg/kg	0.00291 %		
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		141	mg/kg	2.469	348.171	mg/kg	0.0348 %		
14		pH			PH		8.61	pH		8.61	pH	8.61 pH		
15		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
16		TPH (C6 to C40) petroleum group			TPH		1760	mg/kg		1760	mg/kg	0.176 %		
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.0797	mg/kg		0.0797	mg/kg	0.00000797 %		
23		acenaphthylene		205-917-1	208-96-8		0.177	mg/kg		0.177	mg/kg	0.0000177 %		
24		acenaphthene		201-469-6	83-32-9		7.71	mg/kg		7.71	mg/kg	0.000771 %		
25		fluorene		201-695-5	86-73-7		10.5	mg/kg		10.5	mg/kg	0.00105 %		
26		phenanthrene		201-581-5	85-01-8		250	mg/kg		250	mg/kg	0.025 %		
27		anthracene		204-371-1	120-12-7		38.3	mg/kg		38.3	mg/kg	0.00383 %		
28		fluoranthene		205-912-4	206-44-0		239	mg/kg		239	mg/kg	0.0239 %		

#		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									
29		pyrene				196	mg/kg		196	mg/kg	0.0196 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				69.6	mg/kg		69.6	mg/kg	0.00696 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				59.2	mg/kg		59.2	mg/kg	0.00592 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				47.1	mg/kg		47.1	mg/kg	0.00471 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				51.6	mg/kg		51.6	mg/kg	0.00516 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				62.7	mg/kg		62.7	mg/kg	0.00627 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				40.6	mg/kg		40.6	mg/kg	0.00406 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				4.02	mg/kg		4.02	mg/kg	0.000402 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				30.9	mg/kg		30.9	mg/kg	0.00309 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7									

#		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							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							
68		4-isopropyltoluene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			202-796-7	99-87-6							
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
70		n-butylbenzene				<0.22 mg/kg		<0.22 mg/kg	<0.000022 %		<LOD
			203-209-7	104-51-8							
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
72		1,2-dibromo-3-chloropropane				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
73		1,2,4-trichlorobenzene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
74		hexachlorobutadiene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
			201-765-5	87-68-3							
75		1,2,3-trichlorobenzene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
			201-757-1	87-61-6							
76		polychlorobiphenyls; PCB				<0.72 mg/kg		<0.72 mg/kg	<0.000072 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
								Total:	2.04 %		

Key

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

Classification of sample: BH11[2]

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

Sample details

Sample name:
BH11[2]
Sample Depth:
3.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.47 mg/kg	1.32	4.582 mg/kg	0.000458 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.136 mg/kg	1.142	0.155 mg/kg	0.0000155 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.34 mg/kg	1.462	6.343 mg/kg	0.000634 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.57 mg/kg	1.126	4.019 mg/kg	0.000402 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		5040 mg/kg	1.43	7205.914 mg/kg	0.721 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11.5 mg/kg		11.5 mg/kg	0.00115 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		3.75 mg/kg	2.637	9.888 mg/kg	0.000989 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		6.41 mg/kg	1.785	11.443 mg/kg	0.00114 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		20.6 mg/kg	2.469	50.868 mg/kg	0.00509 %		
14	pH			PH		8.91 pH		8.91 pH	8.91 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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 }				1.08	mg/kg	1.884	2.035	mg/kg	0.000203 %		
		006-007-00-5											
16		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
17		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
18		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
19		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
20		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
22		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
25		acenaphthene				0.0115	mg/kg		0.0115	mg/kg	0.00000115 %		
			201-469-6	83-32-9									
26		fluorene				0.0144	mg/kg		0.0144	mg/kg	0.00000144 %		
			201-695-5	86-73-7									
27		phenanthrene				0.0948	mg/kg		0.0948	mg/kg	0.00000948 %		
			201-581-5	85-01-8									
28		anthracene				0.0246	mg/kg		0.0246	mg/kg	0.00000246 %		
			204-371-1	120-12-7									
29		fluoranthene				0.107	mg/kg		0.107	mg/kg	0.0000107 %		
			205-912-4	206-44-0									
30		pyrene				0.0887	mg/kg		0.0887	mg/kg	0.00000887 %		
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0453	mg/kg		0.0453	mg/kg	0.00000453 %		
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0385	mg/kg		0.0385	mg/kg	0.00000385 %		
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0531	mg/kg		0.0531	mg/kg	0.00000531 %		
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0192	mg/kg		0.0192	mg/kg	0.00000192 %		
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				0.0364	mg/kg		0.0364	mg/kg	0.00000364 %		
		601-032-00-3	200-028-5	50-32-8									
36		indeno[123-cd]pyrene				0.0283	mg/kg		0.0283	mg/kg	0.00000283 %		
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
38		benzo[ghi]perylene				0.0252	mg/kg		0.0252	mg/kg	0.00000252 %		
			205-883-8	191-24-2									

#		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							
39		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.736 %		

Key

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

Classification of sample: BH12

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

Sample details

Sample name:
BH12
Sample Depth:
0.3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.681 mg/kg	1.142	0.778 mg/kg	0.0000778 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		92 mg/kg	1.462	134.463 mg/kg	0.0134 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.2 mg/kg	1.126	30.624 mg/kg	0.00306 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		19200 mg/kg	1.43	27451.101 mg/kg	2.745 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	64.3 mg/kg		64.3 mg/kg	0.00643 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		18.4 mg/kg	2.637	48.515 mg/kg	0.00485 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		25.3 mg/kg	1.785	45.165 mg/kg	0.00452 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		113 mg/kg	2.469	279.03 mg/kg	0.0279 %		
14	pH			PH		7.22 pH		7.22 pH	7.22 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				0.0129	mg/kg		0.0129	mg/kg	0.00000129 %		
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.0183	mg/kg		0.0183	mg/kg	0.00000183 %		
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.347	mg/kg		0.347	mg/kg	0.0000347 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.448	mg/kg		0.448	mg/kg	0.0000448 %		
			205-912-4	206-44-0									
29		pyrene				0.392	mg/kg		0.392	mg/kg	0.0000392 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.258	mg/kg		0.258	mg/kg	0.0000258 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.235	mg/kg		0.235	mg/kg	0.0000235 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0949	mg/kg		0.0949	mg/kg	0.00000949 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.146	mg/kg		0.146	mg/kg	0.0000146 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.123	mg/kg		0.123	mg/kg	0.0000123 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0494	mg/kg		0.0494	mg/kg	0.00000494 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.052	mg/kg		0.052	mg/kg	0.0000052 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	2.812 %		

Key

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

Classification of sample: BH13

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

Sample details

Sample name:		LoW Code:	
BH13		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		111	mg/kg	1.32	146.556	mg/kg	0.0147 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		18.3	mg/kg	3.22	58.924	mg/kg	0.00589 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.412	mg/kg	1.142	0.471	mg/kg	0.0000471 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42.8	mg/kg	1.462	62.555	mg/kg	0.00626 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		80.7	mg/kg	1.126	90.859	mg/kg	0.00909 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		25400	mg/kg	1.43	36315.519	mg/kg	3.632 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	43.9	mg/kg		43.9	mg/kg	0.00439 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.184	mg/kg	1.353	0.249	mg/kg	0.0000249 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		51.3	mg/kg	2.637	135.262	mg/kg	0.0135 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.55	mg/kg	1.405	2.178	mg/kg	0.000218 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		113	mg/kg	1.785	201.726	mg/kg	0.0202 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		61.8	mg/kg	2.469	152.603	mg/kg	0.0153 %		
14	pH			PH		10.8	pH		10.8	pH	10.8 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0138 mg/kg		0.0138 mg/kg	0.00000138 %		
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	3.726 %		

Key

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

Classification of sample: BH13[2]

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

Sample details

Sample name:		LoW Code:	
BH13[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
14.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.58	mg/kg	1.32	7.367	mg/kg	0.000737 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.304	mg/kg	1.142	0.347	mg/kg	0.0000347 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.29	mg/kg	1.462	4.809	mg/kg	0.000481 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.04	mg/kg	1.126	4.549	mg/kg	0.000455 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		12000	mg/kg	1.43	17156.938	mg/kg	1.716 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.4	mg/kg		6.4	mg/kg	0.00064 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.68	mg/kg	2.637	20.25	mg/kg	0.00202 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.78	mg/kg	1.785	17.459	mg/kg	0.00175 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		28.3	mg/kg	2.469	69.881	mg/kg	0.00699 %		
14	pH			PH		8.53	pH		8.53	pH	8.53 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	1.734 %		

Key

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

Classification of sample: BH14

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

Sample details

Sample name:		LoW Code:	
BH14		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.3 mg/kg	1.32	20.201 mg/kg	0.00202 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.05 mg/kg	3.22	3.381 mg/kg	0.000338 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.81 mg/kg	1.142	2.068 mg/kg	0.000207 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.3 mg/kg	1.462	39.9 mg/kg	0.00399 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31700 mg/kg	1.43	45322.911 mg/kg	4.532 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	64.8 mg/kg		64.8 mg/kg	0.00648 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32.6 mg/kg	2.637	85.956 mg/kg	0.0086 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.13 mg/kg	1.405	1.588 mg/kg	0.000159 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		42.4 mg/kg	1.785	75.692 mg/kg	0.00757 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		243 mg/kg	2.469	600.039 mg/kg	0.06 %		
14	pH			PH		7.27 pH		7.27 pH	7.27 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	4.628 %		

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

Classification of sample: BH15

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

Sample details

Sample name:
BH15
Sample Depth:
0.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20.5 mg/kg	1.32	27.067 mg/kg	0.00271 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.342 mg/kg	1.142	0.391 mg/kg	0.0000391 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.35 mg/kg	1.462	7.819 mg/kg	0.000782 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.55 mg/kg	1.126	8.5 mg/kg	0.00085 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		77100 mg/kg	1.43	110233.326 mg/kg	11.023 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19.4 mg/kg		19.4 mg/kg	0.00194 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.128 mg/kg	1.353	0.173 mg/kg	0.0000173 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10 mg/kg	2.637	26.367 mg/kg	0.00264 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33.5 mg/kg	1.785	59.804 mg/kg	0.00598 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		49.6 mg/kg	2.469	122.477 mg/kg	0.0122 %		
14	pH			PH		7.56 pH		7.56 pH	7.56 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	11.055 %		

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

Classification of sample: BH16

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

Sample details

Sample name:	LoW Code:	
BH16	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH16[2]

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

Sample details

Sample name:
BH16[2]
Sample Depth:
0.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.12 mg/kg	1.32	6.76 mg/kg	0.000676 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.553 mg/kg	1.142	0.632 mg/kg	0.0000632 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.83 mg/kg	1.462	8.521 mg/kg	0.000852 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.8 mg/kg	1.126	12.16 mg/kg	0.00122 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		13400 mg/kg	1.43	19158.581 mg/kg	1.916 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.65 mg/kg		7.65 mg/kg	0.000765 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.3 mg/kg	2.637	37.705 mg/kg	0.00377 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.57 mg/kg	1.785	17.084 mg/kg	0.00171 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		29.7 mg/kg	2.469	73.338 mg/kg	0.00733 %		
14	pH			PH		7.62 pH		7.62 pH	7.62 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	1.937 %		

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

Classification of sample: BH17

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

Sample details

Sample name:
BH17
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.64 mg/kg	1.32	7.447 mg/kg	0.000745 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0798 mg/kg	1.142	0.0912 mg/kg	0.00000912 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.86 mg/kg	1.462	5.642 mg/kg	0.000564 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.15 mg/kg	1.126	8.05 mg/kg	0.000805 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		14500 mg/kg	1.43	20731.3 mg/kg	2.073 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11.6 mg/kg		11.6 mg/kg	0.00116 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.69 mg/kg	2.637	22.913 mg/kg	0.00229 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.1 mg/kg	1.785	23.386 mg/kg	0.00234 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		28.3 mg/kg	2.469	69.881 mg/kg	0.00699 %		
14	pH			PH		7.63 pH		7.63 pH	7.63 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	2.092 %		

Key

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

Classification of sample: BH18

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH18
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH18[2]

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

Sample details

Sample name:		LoW Code:	
BH18[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10	mg/kg	1.32	13.203	mg/kg	0.00132 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		**<LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.352	mg/kg	1.142	0.402	mg/kg	0.0000402 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.3	mg/kg	1.462	34.054	mg/kg	0.00341 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.8	mg/kg	1.126	13.285	mg/kg	0.00133 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23800	mg/kg	1.43	34027.927	mg/kg	3.403 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.4	mg/kg		16.4	mg/kg	0.00164 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		29.2	mg/kg	2.637	76.991	mg/kg	0.0077 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		**<LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		26	mg/kg	1.785	46.415	mg/kg	0.00464 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		56.3	mg/kg	2.469	139.021	mg/kg	0.0139 %		
14	pH			PH		7.28	pH		7.28	pH	7.28 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0234	mg/kg		0.0234	mg/kg	0.00000234 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0667	mg/kg		0.0667	mg/kg	0.00000667 %		
			205-912-4	206-44-0									
29		pyrene				0.0588	mg/kg		0.0588	mg/kg	0.00000588 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0366	mg/kg		0.0366	mg/kg	0.00000366 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0422	mg/kg		0.0422	mg/kg	0.00000422 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0563	mg/kg		0.0563	mg/kg	0.00000563 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0253	mg/kg		0.0253	mg/kg	0.00000253 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0392	mg/kg		0.0392	mg/kg	0.00000392 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0341	mg/kg		0.0341	mg/kg	0.00000341 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0312	mg/kg		0.0312	mg/kg	0.00000312 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	3.442 %		

Key

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

Classification of sample: BH18[3]

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

Sample details

Sample name:		LoW Code:	
BH18[3]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.64	mg/kg	1.32	3.486	mg/kg	0.000349 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.137	mg/kg	1.142	0.156	mg/kg	0.0000156 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33.6	mg/kg	1.462	49.108	mg/kg	0.00491 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.16	mg/kg	1.126	9.187	mg/kg	0.000919 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		20400	mg/kg	1.43	29166.795	mg/kg	2.917 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	5.23	mg/kg		5.23	mg/kg	0.000523 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24	mg/kg	2.637	63.28	mg/kg	0.00633 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.04	mg/kg	1.405	1.461	mg/kg	0.000146 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		28.3	mg/kg	1.785	50.521	mg/kg	0.00505 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		59.9	mg/kg	2.469	147.911	mg/kg	0.0148 %		
14	pH			PH		8.59	pH		8.59	pH	8.59 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	2.954 %		

Key

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

Classification of sample: BH19

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

Sample details

Sample name:
BH19
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.9 mg/kg	1.32	3.829 mg/kg	0.000383 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.25 mg/kg	1.142	2.57 mg/kg	0.000257 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.99 mg/kg	1.462	5.832 mg/kg	0.000583 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.18 mg/kg	1.126	8.084 mg/kg	0.000808 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		4530 mg/kg	1.43	6476.744 mg/kg	0.648 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	29.2 mg/kg		29.2 mg/kg	0.00292 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		4.71 mg/kg	2.637	12.419 mg/kg	0.00124 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		5.41 mg/kg	1.785	9.658 mg/kg	0.000966 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		90.8 mg/kg	2.469	224.212 mg/kg	0.0224 %		
14	pH			PH		8.55 pH		8.55 pH	8.55 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				222 mg/kg		222 mg/kg	0.0222 %		
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.24 mg/kg		<0.24 mg/kg	<0.000024 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.34 mg/kg		<0.34 mg/kg	<0.000034 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.36 mg/kg		<0.36 mg/kg	<0.000036 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.46 mg/kg		<0.46 mg/kg	<0.000046 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.48 mg/kg		<0.48 mg/kg	<0.000048 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<LOD
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			201-757-1	87-61-6									
										Total:	0.702 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0222%)

Classification of sample: BH24

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

Sample details

Sample name:
BH24
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.23	mg/kg		<0.23	mg/kg	<0.000023 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH25

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

Sample details

Sample name:	LoW Code:	
BH25	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.4 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH25[2]

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

Sample details

Sample name:
BH25[2]
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.21 mg/kg	1.32	5.559 mg/kg	0.000556 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.446 mg/kg	1.142	0.509 mg/kg	0.0000509 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.15 mg/kg	1.126	4.672 mg/kg	0.000467 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		18200 mg/kg	1.43	26021.356 mg/kg	2.602 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.7 mg/kg		7.7 mg/kg	0.00077 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.34 mg/kg	2.637	21.99 mg/kg	0.0022 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.2 mg/kg	1.785	16.424 mg/kg	0.00164 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		37.5 mg/kg	2.469	92.599 mg/kg	0.00926 %		
14	pH			PH		8.51 pH		8.51 pH	8.51 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.622 %		

Key

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

Classification of sample: BH25[3]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH25[3]
Sample Depth:
6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH25[4]

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

Sample details

Sample name:
BH25[4]
Sample Depth:
6.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.5 mg/kg	1.32	16.504 mg/kg	0.00165 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.98 mg/kg	1.142	3.404 mg/kg	0.00034 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.5 mg/kg	1.126	24.207 mg/kg	0.00242 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		28600 mg/kg	1.43	40890.702 mg/kg	4.089 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	54.9 mg/kg		54.9 mg/kg	0.00549 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		33.9 mg/kg	2.637	89.384 mg/kg	0.00894 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34.9 mg/kg	1.785	62.303 mg/kg	0.00623 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		217 mg/kg	2.469	535.837 mg/kg	0.0536 %		
14	pH			PH		7.35 pH		7.35 pH	7.35 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.175 %		

Key

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

Classification of sample: BH26

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

Sample details

Sample name:
BH26
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.31 mg/kg	1.32	7.011 mg/kg	0.000701 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.452 mg/kg	1.142	0.516 mg/kg	0.0000516 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.81 mg/kg	1.462	2.645 mg/kg	0.000265 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.46 mg/kg	1.126	8.399 mg/kg	0.00084 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		15400 mg/kg	1.43	22018.07 mg/kg	2.202 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11.2 mg/kg		11.2 mg/kg	0.00112 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.63 mg/kg	2.637	20.118 mg/kg	0.00201 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.89 mg/kg	1.785	17.655 mg/kg	0.00177 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		47.9 mg/kg	2.469	118.279 mg/kg	0.0118 %		
14	pH			PH		9.03 pH		9.03 pH	9.03 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.0225	mg/kg		0.0225	mg/kg	0.00000225 %		
29		pyrene		204-927-3	129-00-0		0.0214	mg/kg		0.0214	mg/kg	0.00000214 %		
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0149	mg/kg		0.0149	mg/kg	0.00000149 %		
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.0141	mg/kg		0.0141	mg/kg	0.00000141 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0166	mg/kg		0.0166	mg/kg	0.00000166 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.018	mg/kg		0.018	mg/kg	0.0000018 %		
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.225 %		

Key

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

Classification of sample: BH26[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH26[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
3.6 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH26[3]

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

Sample details

Sample name:
BH26[3]
Sample Depth:
4.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.1 mg/kg	1.32	14.656 mg/kg	0.00147 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.36 mg/kg	1.142	1.554 mg/kg	0.000155 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.2 mg/kg	1.462	35.37 mg/kg	0.00354 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17.3 mg/kg	1.126	19.478 mg/kg	0.00195 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		28700 mg/kg	1.43	41033.677 mg/kg	4.103 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	69.2 mg/kg		69.2 mg/kg	0.00692 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.2 mg/kg	2.637	74.355 mg/kg	0.00744 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		40.2 mg/kg	1.785	71.764 mg/kg	0.00718 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		189 mg/kg	2.469	466.697 mg/kg	0.0467 %		
14	pH			PH		7.56 pH		7.56 pH	7.56 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.184 %		

Key

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

Classification of sample: BH27

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH27
Sample Depth:
5.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH28

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

Sample details

Sample name:		LoW Code:	
BH28		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.23	mg/kg	1.32	5.585	mg/kg	0.000558 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.22	mg/kg	1.142	0.251	mg/kg	0.0000251 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.22	mg/kg	1.462	3.245	mg/kg	0.000324 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.67	mg/kg	1.126	7.51	mg/kg	0.000751 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		19400	mg/kg	1.43	27737.05	mg/kg	2.774 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.25	mg/kg		7.25	mg/kg	0.000725 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		23.3	mg/kg	2.637	61.435	mg/kg	0.00614 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.31	mg/kg	1.785	16.62	mg/kg	0.00166 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		82	mg/kg	2.469	202.482	mg/kg	0.0202 %		
14	pH			PH		8.51	pH		8.51	pH	8.51 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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									
41		bromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.808 %		

Key

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

Classification of sample: BH28[2]

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

Sample details

Sample name:
BH28[2]
Sample Depth:
6.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.5 mg/kg	1.32	19.145 mg/kg	0.00191 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.65 mg/kg	1.142	1.885 mg/kg	0.000188 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10.5 mg/kg	1.462	15.346 mg/kg	0.00153 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14.4 mg/kg	1.126	16.213 mg/kg	0.00162 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		22700 mg/kg	1.43	32455.208 mg/kg	3.246 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42.4 mg/kg		42.4 mg/kg	0.00424 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24.8 mg/kg	2.637	65.39 mg/kg	0.00654 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24.8 mg/kg	1.785	44.273 mg/kg	0.00443 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		189 mg/kg	2.469	466.697 mg/kg	0.0467 %		
14	pH			PH		7.03 pH		7.03 pH	7.03 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.318 %		

Key

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

Classification of sample: BH29

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH29	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
8.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH30

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

Sample details

Sample name:
BH30
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.61 mg/kg	1.32	2.126 mg/kg	0.000213 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.398 mg/kg	1.142	0.455 mg/kg	0.0000455 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.9 mg/kg	1.462	2.777 mg/kg	0.000278 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		2.58 mg/kg	1.126	2.905 mg/kg	0.00029 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		3620 mg/kg	1.43	5175.676 mg/kg	0.518 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.28 mg/kg		6.28 mg/kg	0.000628 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.55 mg/kg	2.637	6.724 mg/kg	0.000672 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		3.24 mg/kg	1.785	5.784 mg/kg	0.000578 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35.4 mg/kg	2.469	87.413 mg/kg	0.00874 %		
14	pH			PH		9.3 pH		9.3 pH	9.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				54.4	mg/kg		54.4	mg/kg	0.00544 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				<0.075	mg/kg		<0.075	mg/kg	<0.0000075 %		<**LOD**
			201-581-5	85-01-8									
27		anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				<0.085	mg/kg		<0.085	mg/kg	<0.0000085 %		<**LOD**
			205-912-4	206-44-0									
29		pyrene				<0.075	mg/kg		<0.075	mg/kg	<0.0000075 %		<**LOD**
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.075	mg/kg		<0.075	mg/kg	<0.0000075 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.075	mg/kg		<0.075	mg/kg	<0.0000075 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.115	mg/kg		<0.115	mg/kg	<0.0000115 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.536 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00544%)

Classification of sample: BH30[2]

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

Sample details

Sample name:
BH30[2]
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29.6 mg/kg	1.32	39.082 mg/kg	0.00391 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.159 mg/kg	1.142	0.182 mg/kg	0.0000182 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<**LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.84 mg/kg	1.126	4.323 mg/kg	0.000432 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		7470 mg/kg	1.43	10680.194 mg/kg	1.068 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	41.3 mg/kg		41.3 mg/kg	0.00413 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		3.93 mg/kg	2.637	10.362 mg/kg	0.00104 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.59 mg/kg	1.785	8.194 mg/kg	0.000819 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		40.1 mg/kg	2.469	99.019 mg/kg	0.0099 %		
14	pH			PH		9.05 pH		9.05 pH	9.05 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	1.093 %		

Key

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

Classification of sample: BH30[3]

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

Sample details

Sample name:
BH30[3]
Sample Depth:
10.8 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.65 mg/kg	1.32	6.14 mg/kg	0.000614 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.36 mg/kg	1.142	0.411 mg/kg	0.0000411 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.48 mg/kg	1.462	3.625 mg/kg	0.000362 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.98 mg/kg	1.126	4.481 mg/kg	0.000448 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		13300 mg/kg	1.43	19015.606 mg/kg	1.902 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.63 mg/kg		9.63 mg/kg	0.000963 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.26 mg/kg	2.637	24.416 mg/kg	0.00244 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		10 mg/kg	1.785	17.852 mg/kg	0.00179 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		45.3 mg/kg	2.469	111.859 mg/kg	0.0112 %		
14	pH			PH		8.51 pH		8.51 pH	8.51 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		0.009 mg/kg		0.009 mg/kg	0.000000905 %		
25		fluorene		201-695-5	86-73-7		0.0117 mg/kg		0.0117 mg/kg	0.00000117 %		
26		phenanthrene		201-581-5	85-01-8		0.056 mg/kg		0.056 mg/kg	0.0000056 %		
27		anthracene		204-371-1	120-12-7		0.0222 mg/kg		0.0222 mg/kg	0.00000222 %		
28		fluoranthene		205-912-4	206-44-0		0.173 mg/kg		0.173 mg/kg	0.0000173 %		
29		pyrene		204-927-3	129-00-0		0.146 mg/kg		0.146 mg/kg	0.0000146 %		
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0815 mg/kg		0.0815 mg/kg	0.00000815 %		
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.0792 mg/kg		0.0792 mg/kg	0.00000792 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.128 mg/kg		0.128 mg/kg	0.0000128 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0471 mg/kg		0.0471 mg/kg	0.00000471 %		
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.0952 mg/kg		0.0952 mg/kg	0.00000952 %		
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.0773 mg/kg		0.0773 mg/kg	0.00000773 %		
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.0689 mg/kg		0.0689 mg/kg	0.00000689 %		
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	1.925 %		

Key

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

Classification of sample: BH30[4]

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

Sample details

Sample name:
BH30[4]
Sample Depth:
11.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.18 mg/kg	1.32	6.839 mg/kg	0.000684 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.408 mg/kg	1.142	0.466 mg/kg	0.0000466 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.21 mg/kg	1.462	3.23 mg/kg	0.000323 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.59 mg/kg	1.126	5.168 mg/kg	0.000517 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		14100 mg/kg	1.43	20159.402 mg/kg	2.016 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.1 mg/kg		8.1 mg/kg	0.00081 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.51 mg/kg	2.637	25.075 mg/kg	0.00251 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11.1 mg/kg	1.785	19.816 mg/kg	0.00198 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		41.4 mg/kg	2.469	102.229 mg/kg	0.0102 %		
14	pH			PH		8.43 pH		8.43 pH	8.43 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.0316 mg/kg		0.0316 mg/kg	0.00000316 %		
			205-912-4	206-44-0							
29		pyrene				0.0312 mg/kg		0.0312 mg/kg	0.00000312 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.0178 mg/kg		0.0178 mg/kg	0.00000178 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.0159 mg/kg		0.0159 mg/kg	0.00000159 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.0315 mg/kg		0.0315 mg/kg	0.00000315 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.023 mg/kg		0.023 mg/kg	0.0000023 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.0237 mg/kg		0.0237 mg/kg	0.00000237 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	2.038 %		

Key

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

Classification of sample: BH31

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH31
Sample Depth:
11.8 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH32

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

Sample details

Sample name:
BH32
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<0.6 mg/kg	1.32	<0.792 mg/kg	<0.0000792 %		<LOD
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.267 mg/kg	1.142	0.305 mg/kg	0.0000305 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.2 mg/kg	1.462	1.754 mg/kg	0.000175 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.57 mg/kg	1.126	4.019 mg/kg	0.000402 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		2000 mg/kg	1.43	2859.49 mg/kg	0.286 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	2.27 mg/kg		2.27 mg/kg	0.000227 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		1.12 mg/kg	2.637	2.953 mg/kg	0.000295 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.22 mg/kg	1.785	3.963 mg/kg	0.000396 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		34.2 mg/kg	2.469	84.45 mg/kg	0.00844 %		
14	pH			PH		9.83 pH		9.83 pH	9.83 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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							
68		4-isopropyltoluene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6							
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7							
70		n-butylbenzene				<0.22 mg/kg		<0.22 mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8							
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1							
72		1,2-dibromo-3-chloropropane				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8							
73		1,2,4-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1							
74		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3							
75		1,2,3-trichlorobenzene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6							
								Total:	0.301 %		

Key

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

Classification of sample: BH32[2]

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

Sample details

Sample name:	LoW Code:	
BH32[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.34 mg/kg	1.32	7.051 mg/kg	0.000705 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.163 mg/kg	1.142	0.186 mg/kg	0.0000186 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<**LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.35 mg/kg	1.126	6.024 mg/kg	0.000602 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		12000 mg/kg	1.43	17156.938 mg/kg	1.716 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.64 mg/kg		4.64 mg/kg	0.000464 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.2 mg/kg	2.637	18.984 mg/kg	0.0019 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		6.68 mg/kg	1.785	11.925 mg/kg	0.00119 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		36.9 mg/kg	2.469	91.117 mg/kg	0.00911 %		
14	pH			PH		8.87 pH		8.87 pH	8.87 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		0.0239 mg/kg		0.0239 mg/kg	0.00000239 %		
29	pyrene		204-927-3	129-00-0		0.0225 mg/kg		0.0225 mg/kg	0.00000225 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0142 mg/kg		0.0142 mg/kg	0.00000142 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		0.0149 mg/kg		0.0149 mg/kg	0.00000149 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0194 mg/kg		0.0194 mg/kg	0.00000194 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	1.734 %		

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

Classification of sample: BH33

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

Sample details

Sample name:
BH33
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.01 mg/kg	1.32	3.974 mg/kg	0.000397 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.113 mg/kg	1.142	0.129 mg/kg	0.0000129 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.44 mg/kg	1.462	3.566 mg/kg	0.000357 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.95 mg/kg	1.126	2.195 mg/kg	0.00022 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		4820 mg/kg	1.43	6891.37 mg/kg	0.689 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11.6 mg/kg		11.6 mg/kg	0.00116 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.94 mg/kg	2.637	7.752 mg/kg	0.000775 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		7 mg/kg	1.785	12.496 mg/kg	0.00125 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		14.1 mg/kg	2.469	34.817 mg/kg	0.00348 %		
14	pH			PH		9.16 pH		9.16 pH	9.16 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.702 %		

Key

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

Classification of sample: BH33[2]

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

Sample details

Sample name:
BH33[2]
Sample Depth:
2.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.3 mg/kg	1.32	8.318 mg/kg	0.000832 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.254 mg/kg	1.142	0.29 mg/kg	0.000029 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.88 mg/kg	1.462	4.209 mg/kg	0.000421 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.66 mg/kg	1.126	5.247 mg/kg	0.000525 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		15400 mg/kg	1.43	22018.07 mg/kg	2.202 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.61 mg/kg		6.61 mg/kg	0.000661 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.89 mg/kg	2.637	18.167 mg/kg	0.00182 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		7.8 mg/kg	1.785	13.924 mg/kg	0.00139 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35.3 mg/kg	2.469	87.166 mg/kg	0.00872 %		
14	pH			PH		8.7 pH		8.7 pH	8.7 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.221 %		

Key

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

Classification of sample: BH33[3]

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

Sample details

Sample name:
BH33[3]
Sample Depth:
6.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.61 mg/kg	1.32	12.688 mg/kg	0.00127 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.33 mg/kg	3.22	4.282 mg/kg	0.000428 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11.1 mg/kg	1.462	16.223 mg/kg	0.00162 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.5 mg/kg	1.126	20.829 mg/kg	0.00208 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23400 mg/kg	1.43	33456.029 mg/kg	3.346 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	90.9 mg/kg		90.9 mg/kg	0.00909 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.17 mg/kg	1.353	0.23 mg/kg	0.000023 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20.7 mg/kg	2.637	54.579 mg/kg	0.00546 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24.2 mg/kg	1.785	43.201 mg/kg	0.00432 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		144 mg/kg	2.469	355.579 mg/kg	0.0356 %		
14	pH			PH		7.03 pH		7.03 pH	7.03 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				0.0131 mg/kg		0.0131 mg/kg	0.00000131 %		
			201-469-6	83-32-9							
25		fluorene				0.0167 mg/kg		0.0167 mg/kg	0.00000167 %		
			201-695-5	86-73-7							
26		phenanthrene				0.0891 mg/kg		0.0891 mg/kg	0.00000891 %		
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.0867 mg/kg		0.0867 mg/kg	0.00000867 %		
			205-912-4	206-44-0							
29		pyrene				0.0763 mg/kg		0.0763 mg/kg	0.00000763 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.0327 mg/kg		0.0327 mg/kg	0.00000327 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.0502 mg/kg		0.0502 mg/kg	0.00000502 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.0296 mg/kg		0.0296 mg/kg	0.00000296 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.0268 mg/kg		0.0268 mg/kg	0.00000268 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.41 %		

Key

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

Classification of sample: BH34

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

Sample details

Sample name:
BH34
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.719 mg/kg	1.32	0.949 mg/kg	0.0000949 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.471 mg/kg	1.142	0.538 mg/kg	0.0000538 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.25 mg/kg	1.462	1.827 mg/kg	0.000183 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		2.17 mg/kg	1.126	2.443 mg/kg	0.000244 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		2400 mg/kg	1.43	3431.388 mg/kg	0.343 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.83 mg/kg		7.83 mg/kg	0.000783 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.32 mg/kg	2.637	6.117 mg/kg	0.000612 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.19 mg/kg	1.785	2.124 mg/kg	0.000212 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62.5 mg/kg	2.469	154.331 mg/kg	0.0154 %		
14	pH			PH		9.64 pH		9.64 pH	9.64 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.032 mg/kg		<0.032 mg/kg	<0.0000032 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.034 mg/kg		<0.034 mg/kg	<0.0000034 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.028 mg/kg		<0.028 mg/kg	<0.0000028 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.028 mg/kg		<0.028 mg/kg	<0.0000028 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.036 mg/kg		<0.036 mg/kg	<0.0000036 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.046 mg/kg		<0.046 mg/kg	<0.0000046 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.048 mg/kg		<0.048 mg/kg	<0.0000048 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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							
41		bromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5							
42		chloroform; trichloromethane				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
43		1,1,1-trichloroethane; methyl chloroform				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
44		1,1-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
45		carbon tetrachloride; tetrachloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
46		1,2-dichloroethane; ethylene dichloride				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
47		trichloroethylene; trichloroethene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
48		1,2-dichloropropane; propylene dichloride				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
49		dibromomethane				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.366 %		

Key

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

Classification of sample: BH34[2]

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

Sample details

Sample name:
BH34[2]
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.86 mg/kg	1.32	13.018 mg/kg	0.0013 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.44 mg/kg	1.142	0.503 mg/kg	0.0000503 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.65 mg/kg	1.462	3.873 mg/kg	0.000387 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.11 mg/kg	1.126	5.753 mg/kg	0.000575 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		15600 mg/kg	1.43	22304.019 mg/kg	2.23 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	14.9 mg/kg		14.9 mg/kg	0.00149 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.3 mg/kg	2.637	27.158 mg/kg	0.00272 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		12.8 mg/kg	1.785	22.85 mg/kg	0.00229 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		53.8 mg/kg	2.469	132.848 mg/kg	0.0133 %		
14	pH			PH		9.39 pH		9.39 pH	9.39 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				0.017	mg/kg		0.017	mg/kg	0.0000017 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0128	mg/kg		0.0128	mg/kg	0.00000128 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0161	mg/kg		0.0161	mg/kg	0.00000161 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.258 %		

Key

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

Classification of sample: BH34[3]

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

Sample details

Sample name:
BH34[3]
Sample Depth:
5.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.2 mg/kg	1.32	17.428 mg/kg	0.00174 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.47 mg/kg	3.22	4.733 mg/kg	0.000473 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.56 mg/kg	1.142	1.782 mg/kg	0.000178 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21.1 mg/kg	1.462	30.839 mg/kg	0.00308 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.4 mg/kg	1.126	30.849 mg/kg	0.00308 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		26900 mg/kg	1.43	38460.136 mg/kg	3.846 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	112 mg/kg		112 mg/kg	0.0112 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.17 mg/kg	1.353	0.23 mg/kg	0.000023 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30.3 mg/kg	2.637	79.892 mg/kg	0.00799 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		40.3 mg/kg	1.785	71.943 mg/kg	0.00719 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		214 mg/kg	2.469	528.429 mg/kg	0.0528 %		
14	pH			PH		7.07 pH		7.07 pH	7.07 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				50.8	mg/kg		50.8	mg/kg	0.00508 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0394	mg/kg		0.0394	mg/kg	0.00000394 %		
			205-912-4	206-44-0									
29		pyrene				0.0346	mg/kg		0.0346	mg/kg	0.00000346 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0179	mg/kg		0.0179	mg/kg	0.00000179 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0227	mg/kg		0.0227	mg/kg	0.00000227 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0297	mg/kg		0.0297	mg/kg	0.00000297 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.939 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00508%)

Classification of sample: BH35

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

Sample details

Sample name:		LoW Code:	
BH35		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.8 mg/kg	1.32	5.017 mg/kg	0.000502 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.215 mg/kg	1.142	0.246 mg/kg	0.0000246 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<0.9 mg/kg	1.462	<1.315 mg/kg	<0.000132 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		2.75 mg/kg	1.126	3.096 mg/kg	0.00031 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		12500 mg/kg	1.43	17871.81 mg/kg	1.787 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.58 mg/kg		4.58 mg/kg	0.000458 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		5.89 mg/kg	2.637	15.53 mg/kg	0.00155 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		8.7 mg/kg	1.785	15.531 mg/kg	0.00155 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		26.1 mg/kg	2.469	64.449 mg/kg	0.00644 %		
14	pH			PH		8.7 pH		8.7 pH	8.7 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	1.803 %		

Key

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

Classification of sample: BH35[2]

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

Sample details

Sample name:
BH35[2]
Sample Depth:
1.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.65	mg/kg	1.32	12.741	mg/kg	0.00127 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.434	mg/kg	1.142	0.496	mg/kg	0.0000496 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.18	mg/kg	1.462	6.109	mg/kg	0.000611 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.27	mg/kg	1.126	7.059	mg/kg	0.000706 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		25600	mg/kg	1.43	36601.468	mg/kg	3.66 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13	mg/kg		13	mg/kg	0.0013 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.7	mg/kg	2.637	28.213	mg/kg	0.00282 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.9	mg/kg	1.785	24.814	mg/kg	0.00248 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		41.1	mg/kg	2.469	101.488	mg/kg	0.0101 %		
14	pH			PH		7.97	pH		7.97	pH	7.97 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.685 %		

Key

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

Classification of sample: BH35[3]

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

Sample details

Sample name:		LoW Code:	
BH35[3]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
4.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.6	mg/kg	1.32	13.995	mg/kg	0.0014 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.93	mg/kg	1.142	2.205	mg/kg	0.00022 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14.2	mg/kg	1.462	20.754	mg/kg	0.00208 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.7	mg/kg	1.126	17.676	mg/kg	0.00177 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23600	mg/kg	1.43	33741.978	mg/kg	3.374 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	116	mg/kg		116	mg/kg	0.0116 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.9	mg/kg	2.637	76.2	mg/kg	0.00762 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		30.2	mg/kg	1.785	53.913	mg/kg	0.00539 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		166	mg/kg	2.469	409.903	mg/kg	0.041 %		
14	pH			PH		7.13	pH		7.13	pH	7.13 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	3.45 %		

Key

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

Classification of sample: BH36

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

Sample details

Sample name:
BH36
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.71 mg/kg	1.32	10.18 mg/kg	0.00102 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.423 mg/kg	1.142	0.483 mg/kg	0.0000483 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.27 mg/kg	1.462	6.241 mg/kg	0.000624 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.98 mg/kg	1.126	10.11 mg/kg	0.00101 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		18500 mg/kg	1.43	26450.279 mg/kg	2.645 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	18.4 mg/kg		18.4 mg/kg	0.00184 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.92 mg/kg	2.637	23.519 mg/kg	0.00235 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.9 mg/kg	1.785	24.814 mg/kg	0.00248 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		68.8 mg/kg	2.469	169.888 mg/kg	0.017 %		
14	pH			PH		8.98 pH		8.98 pH	8.98 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	2.676 %		

Key

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

Classification of sample: BH37

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

Sample details

Sample name:
BH37
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.653 mg/kg	1.32	0.862 mg/kg	0.0000862 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.463 mg/kg	1.142	0.529 mg/kg	0.0000529 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.68 mg/kg	1.462	2.455 mg/kg	0.000246 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.34 mg/kg	1.126	6.012 mg/kg	0.000601 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		2930 mg/kg	1.43	4189.152 mg/kg	0.419 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	5.81 mg/kg		5.81 mg/kg	0.000581 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		1.56 mg/kg	2.637	4.113 mg/kg	0.000411 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.39 mg/kg	1.785	4.267 mg/kg	0.000427 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		44.5 mg/kg	2.469	109.884 mg/kg	0.011 %		
14	pH			PH		9.81 pH		9.81 pH	9.81 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.437 %		

Key

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

Classification of sample: BH37[2]

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

Sample details

Sample name:
BH37[2]
Sample Depth:
4.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23.9 mg/kg	1.32	31.556 mg/kg	0.00316 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.32 mg/kg	1.142	3.793 mg/kg	0.000379 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.3 mg/kg	1.462	17.977 mg/kg	0.0018 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28.4 mg/kg	1.126	31.975 mg/kg	0.0032 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		58300 mg/kg	1.43	83354.124 mg/kg	8.335 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	85 mg/kg		85 mg/kg	0.0085 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.205 mg/kg	1.353	0.277 mg/kg	0.0000277 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		46.9 mg/kg	2.637	123.661 mg/kg	0.0124 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43 mg/kg	1.785	76.763 mg/kg	0.00768 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		395 mg/kg	2.469	975.372 mg/kg	0.0975 %		
14	pH			PH		7.05 pH		7.05 pH	7.05 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	8.474 %		

Key

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

Classification of sample: BH38

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

Sample details

Sample name:		LoW Code:	
BH38		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.865	mg/kg	1.32	1.142	mg/kg	0.000114 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.374	mg/kg	1.142	0.427	mg/kg	0.0000427 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.2	mg/kg	1.462	1.754	mg/kg	0.000175 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.33	mg/kg	1.126	7.127	mg/kg	0.000713 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		2710	mg/kg	1.43	3874.608	mg/kg	0.387 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3.63	mg/kg		3.63	mg/kg	0.000363 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		1.61	mg/kg	2.637	4.245	mg/kg	0.000425 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.62	mg/kg	1.785	4.677	mg/kg	0.000468 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		55.6	mg/kg	2.469	137.293	mg/kg	0.0137 %		
14	pH			PH		9.74	pH		9.74	pH	9.74 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.409 %		

Key

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

Classification of sample: BH38[2]

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

Sample details

Sample name:		LoW Code:	
BH38[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
5.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15	mg/kg	1.32	19.805	mg/kg	0.00198 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.72	mg/kg	3.22	5.538	mg/kg	0.000554 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.65	mg/kg	1.142	1.885	mg/kg	0.000188 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.4	mg/kg	1.462	51.739	mg/kg	0.00517 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29.8	mg/kg	1.126	33.551	mg/kg	0.00336 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		44900	mg/kg	1.43	64195.543	mg/kg	6.42 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	143	mg/kg		143	mg/kg	0.0143 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		43.4	mg/kg	2.637	114.432	mg/kg	0.0114 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		61.2	mg/kg	1.785	109.253	mg/kg	0.0109 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		270	mg/kg	2.469	666.71	mg/kg	0.0667 %		
14	pH			PH		7.21	pH		7.21	pH	7.21 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		0.0122 mg/kg		0.0122 mg/kg	0.00000122 %		
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41	●	bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50	●	bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52	●	trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54	●	1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55	●	dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58	●	1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65	●	tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67	●	sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	6.539 %		

Key

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

Classification of sample: BH42

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

Sample details

Sample name:		LoW Code:	
BH42		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		85.7 mg/kg	1.32	113.152 mg/kg	0.0113 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		5.29 mg/kg	3.22	17.033 mg/kg	0.0017 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.35 mg/kg	1.142	0.4 mg/kg	0.00004 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.8 mg/kg	1.462	47.939 mg/kg	0.00479 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		63.6 mg/kg	1.126	71.606 mg/kg	0.00716 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		32100 mg/kg	1.43	45894.809 mg/kg	4.589 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	39.9 mg/kg		39.9 mg/kg	0.00399 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.223 mg/kg	1.353	0.302 mg/kg	0.0000302 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42.3 mg/kg	2.637	111.532 mg/kg	0.0112 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.17 mg/kg	1.405	1.644 mg/kg	0.000164 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		90.2 mg/kg	1.785	161.024 mg/kg	0.0161 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62 mg/kg	2.469	153.096 mg/kg	0.0153 %		
14	pH			PH		8.14 pH		8.14 pH	8.14 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.666 %		

Key

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

Classification of sample: BH42[2]

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

Sample details

Sample name:		LoW Code:	
BH42[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
9.8 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		98.6	mg/kg	1.32	130.184	mg/kg	0.013 %		
2		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		16.4	mg/kg	3.22	52.806	mg/kg	0.00528 %		
3		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.199	mg/kg	1.142	0.227	mg/kg	0.0000227 %		
4		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40.1	mg/kg	1.462	58.608	mg/kg	0.00586 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		79.3	mg/kg	1.126	89.283	mg/kg	0.00893 %		
7		iron { iron (III) oxide }		215-168-2	1309-37-1		23400	mg/kg	1.43	33456.029	mg/kg	3.346 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	56.9	mg/kg		56.9	mg/kg	0.00569 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.214	mg/kg	1.353	0.29	mg/kg	0.000029 %		
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		48.1	mg/kg	2.637	126.825	mg/kg	0.0127 %		
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.76	mg/kg	1.405	2.473	mg/kg	0.000247 %		
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		104	mg/kg	1.785	185.659	mg/kg	0.0186 %		
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		64.7	mg/kg	2.469	159.763	mg/kg	0.016 %		
14		pH			PH		10.3	pH		10.3	pH	10.3 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		44.7 mg/kg		44.7 mg/kg	0.00447 %		
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		0.0232 mg/kg		0.0232 mg/kg	0.00000232 %		
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.437 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00447%)

Classification of sample: BH42[3]

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

Sample details

Sample name:		LoW Code:	
BH42[3]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
10.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		112	mg/kg	1.32	147.876	mg/kg	0.0148 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		24.6	mg/kg	3.22	79.209	mg/kg	0.00792 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02	mg/kg	1.142	<0.0228	mg/kg	<0.00000228 %		<**LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.3	mg/kg	1.462	60.362	mg/kg	0.00604 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		87.1	mg/kg	1.126	98.065	mg/kg	0.00981 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		33600	mg/kg	1.43	48039.426	mg/kg	4.804 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46	mg/kg		46	mg/kg	0.0046 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		53	mg/kg	2.637	139.744	mg/kg	0.014 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2.75	mg/kg	1.405	3.864	mg/kg	0.000386 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		111	mg/kg	1.785	198.156	mg/kg	0.0198 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		61	mg/kg	2.469	150.627	mg/kg	0.0151 %		
14	pH			PH		10.4	pH		10.4	pH	10.4 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
50		bromodichloromethane		200-856-7	75-27-4		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
52		trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
53		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
54		1,3-dichloropropane		205-531-3	142-28-9		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
55		dibromochloromethane		204-704-0	124-48-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
56		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
57		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
58		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
59		styrene	601-026-00-0	202-851-5	100-42-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
60		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
61		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
62		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<**LOD**
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
64		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
65		tert-butylbenzene		202-632-4	98-06-6		<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
66		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
67		sec-butylbenzene		205-227-0	135-98-8		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.901 %		

Key

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

Classification of sample: BH43

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

Sample details

Sample name:		LoW Code:	
BH43		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.3 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		138	mg/kg	1.32	182.205	mg/kg	0.0182 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		19.9	mg/kg	3.22	64.076	mg/kg	0.00641 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43.3	mg/kg	1.462	63.285	mg/kg	0.00633 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		82.4	mg/kg	1.126	92.773	mg/kg	0.00928 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		34100	mg/kg	1.43	48754.299	mg/kg	4.875 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46	mg/kg		46	mg/kg	0.0046 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		52.9	mg/kg	2.637	139.481	mg/kg	0.0139 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.92	mg/kg	1.405	2.698	mg/kg	0.00027 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		114	mg/kg	1.785	203.511	mg/kg	0.0204 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		59.1	mg/kg	2.469	145.935	mg/kg	0.0146 %		
14	pH			PH		10.3	pH		10.3	pH	10.3 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
50		bromodichloromethane		200-856-7	75-27-4		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
52		trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
53		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
54		1,3-dichloropropane		205-531-3	142-28-9		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
55		dibromochloromethane		204-704-0	124-48-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
56		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
57		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
58		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
59		styrene	601-026-00-0	202-851-5	100-42-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
60		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
61		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
62		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<**LOD**
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
64		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
65		tert-butylbenzene		202-632-4	98-06-6		<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
66		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
67		sec-butylbenzene		205-227-0	135-98-8		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	4.974 %		

Key

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

Classification of sample: BH43[2]

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

Sample details

Sample name:		LoW Code:	
BH43[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
6.9 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.44	mg/kg	1.32	9.823	mg/kg	0.000982 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.77	mg/kg	3.22	8.919	mg/kg	0.000892 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.21	mg/kg	1.142	0.24	mg/kg	0.000024 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.38	mg/kg	1.462	2.017	mg/kg	0.000202 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.12	mg/kg	1.126	8.016	mg/kg	0.000802 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		19700	mg/kg	1.43	28165.973	mg/kg	2.817 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.73	mg/kg		8.73	mg/kg	0.000873 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.3	mg/kg	2.637	27.158	mg/kg	0.00272 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		**<LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.1	mg/kg	1.785	23.386	mg/kg	0.00234 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		24.2	mg/kg	2.469	59.757	mg/kg	0.00598 %		
14	pH			PH		7.72	pH		7.72	pH	7.72 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	2.836 %		

Key

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

Classification of sample: BH43[3]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH43[3]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
10.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH44

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

Sample details

Sample name:
BH44
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH44[2]

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

Sample details

Sample name:
BH44[2]
Sample Depth:
1.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		129 mg/kg	1.32	170.322 mg/kg	0.017 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		21.5 mg/kg	3.22	69.227 mg/kg	0.00692 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.412 mg/kg	1.142	0.471 mg/kg	0.0000471 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		47.4 mg/kg	1.462	69.278 mg/kg	0.00693 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		91.1 mg/kg	1.126	102.568 mg/kg	0.0103 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		34000 mg/kg	1.43	48611.324 mg/kg	4.861 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	54.5 mg/kg		54.5 mg/kg	0.00545 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		59 mg/kg	2.637	155.564 mg/kg	0.0156 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.88 mg/kg	1.405	2.641 mg/kg	0.000264 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		124 mg/kg	1.785	221.363 mg/kg	0.0221 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		71.6 mg/kg	2.469	176.802 mg/kg	0.0177 %		
14	pH			PH		10 pH		10 pH	10pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	4.968 %		

Key

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

Classification of sample: BH44[3]

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

Sample details

Sample name:		LoW Code:	
BH44[3]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
5.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.32	mg/kg	1.32	4.383	mg/kg	0.000438 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.57	mg/kg	3.22	8.275	mg/kg	0.000828 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.16	mg/kg	1.142	0.183	mg/kg	0.0000183 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.6	mg/kg	1.462	3.8	mg/kg	0.00038 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.03	mg/kg	1.126	5.663	mg/kg	0.000566 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		10300	mg/kg	1.43	14726.372	mg/kg	1.473 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.07	mg/kg		8.07	mg/kg	0.000807 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.89	mg/kg	2.637	18.167	mg/kg	0.00182 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		**<LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		8.23	mg/kg	1.785	14.692	mg/kg	0.00147 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		19.2	mg/kg	2.469	47.41	mg/kg	0.00474 %		
14	pH			PH		8.64	pH		8.64	pH	8.64 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41	●	bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
50	●	bromodichloromethane		200-856-7	75-27-4		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
52	●	trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
53		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
54	●	1,3-dichloropropane		205-531-3	142-28-9		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
55	●	dibromochloromethane		204-704-0	124-48-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
56		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
57		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
58	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
59		styrene	601-026-00-0	202-851-5	100-42-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
60		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
61		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
62		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
64		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
65	●	tert-butylbenzene		202-632-4	98-06-6		<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
66		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
67	●	sec-butylbenzene		205-227-0	135-98-8		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	1.488 %		

Key

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

Classification of sample: BH45

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

Sample details

Sample name:	LoW Code:	
BH45	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.55 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH45[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH45[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
7.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	**User entered data**	Conv. Factor	Compound conc.	**Classification value**	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH45A

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

Sample details

Sample name:		LoW Code:	
BH45A		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		99.7 mg/kg	1.32	131.636 mg/kg	0.0132 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		17.4 mg/kg	3.22	56.026 mg/kg	0.0056 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0947 mg/kg	1.142	0.108 mg/kg	0.0000108 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.9 mg/kg	1.462	53.931 mg/kg	0.00539 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		73.8 mg/kg	1.126	83.091 mg/kg	0.00831 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		28500 mg/kg	1.43	40747.728 mg/kg	4.075 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	40.2 mg/kg		40.2 mg/kg	0.00402 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		47 mg/kg	2.637	123.924 mg/kg	0.0124 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.5 mg/kg	1.405	2.108 mg/kg	0.000211 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		97.2 mg/kg	1.785	173.52 mg/kg	0.0174 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		56.5 mg/kg	2.469	139.515 mg/kg	0.014 %		
14	pH			PH		9.95 pH		9.95 pH	9.95 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.16 %		

Key

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

Classification of sample: BH45A[2]

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

Sample details

Sample name:		LoW Code:	
BH45A[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
6.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.2 mg/kg	1.32	20.069 mg/kg	0.00201 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.68 mg/kg	3.22	5.409 mg/kg	0.000541 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.48 mg/kg	1.142	1.691 mg/kg	0.000169 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		42.5 mg/kg	1.126	47.85 mg/kg	0.00479 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		40100 mg/kg	1.43	57332.768 mg/kg	5.733 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	200 mg/kg		200 mg/kg	0.02 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		41.4 mg/kg	2.637	109.159 mg/kg	0.0109 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		62.3 mg/kg	1.785	111.217 mg/kg	0.0111 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		246 mg/kg	2.469	607.447 mg/kg	0.0607 %		
14	pH			PH		6.93 pH		6.93 pH	6.93 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	5.853 %		

Key

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

Classification of sample: BH47

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

Sample details

Sample name:
BH47
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.55 mg/kg	1.32	11.289 mg/kg	0.00113 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.495 mg/kg	1.142	0.565 mg/kg	0.0000565 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.5 mg/kg	1.462	19.731 mg/kg	0.00197 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28.5 mg/kg	1.126	32.088 mg/kg	0.00321 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		19800 mg/kg	1.43	28308.948 mg/kg	2.831 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	61.7 mg/kg		61.7 mg/kg	0.00617 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.168 mg/kg	1.353	0.227 mg/kg	0.0000227 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		18.8 mg/kg	2.637	49.57 mg/kg	0.00496 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		22.2 mg/kg	1.785	39.631 mg/kg	0.00396 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		96 mg/kg	2.469	237.052 mg/kg	0.0237 %		
14	pH			PH		7.93 pH		7.93 pH	7.93 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.0613	mg/kg		0.0613	mg/kg	0.00000613 %		
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.136	mg/kg		0.136	mg/kg	0.0000136 %		
			201-581-5	85-01-8									
27		anthracene				0.0445	mg/kg		0.0445	mg/kg	0.00000445 %		
			204-371-1	120-12-7									
28		fluoranthene				0.491	mg/kg		0.491	mg/kg	0.0000491 %		
			205-912-4	206-44-0									
29		pyrene				0.441	mg/kg		0.441	mg/kg	0.0000441 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.324	mg/kg		0.324	mg/kg	0.0000324 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.563	mg/kg		0.563	mg/kg	0.0000563 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.188	mg/kg		0.188	mg/kg	0.0000188 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.386	mg/kg		0.386	mg/kg	0.0000386 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.351	mg/kg		0.351	mg/kg	0.0000351 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0487	mg/kg		0.0487	mg/kg	0.00000487 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.881 %		

Key

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

Classification of sample: BH48

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

Sample details

Sample name:		LoW Code:	
BH48		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.52 mg/kg	1.32	8.609 mg/kg	0.000861 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.06 mg/kg	3.22	3.413 mg/kg	0.000341 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.418 mg/kg	1.142	0.477 mg/kg	0.0000477 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.27 mg/kg	1.462	4.779 mg/kg	0.000478 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.28 mg/kg	1.126	9.322 mg/kg	0.000932 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23800 mg/kg	1.43	34027.927 mg/kg	3.403 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12 mg/kg		12 mg/kg	0.0012 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13.5 mg/kg	2.637	35.595 mg/kg	0.00356 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		16.4 mg/kg	1.785	29.277 mg/kg	0.00293 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		42.8 mg/kg	2.469	105.686 mg/kg	0.0106 %		
14	pH			PH		9.14 pH		9.14 pH	9.14 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				0.0096	mg/kg		0.0096	mg/kg	0.000000963 %		
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
			201-581-5	85-01-8									
27		anthracene				0.0278	mg/kg		0.0278	mg/kg	0.00000278 %		
			204-371-1	120-12-7									
28		fluoranthene				0.262	mg/kg		0.262	mg/kg	0.0000262 %		
			205-912-4	206-44-0									
29		pyrene				0.251	mg/kg		0.251	mg/kg	0.0000251 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0952	mg/kg		0.0952	mg/kg	0.00000952 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.105	mg/kg		0.105	mg/kg	0.0000105 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.134	mg/kg		0.134	mg/kg	0.0000134 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0516	mg/kg		0.0516	mg/kg	0.00000516 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.106	mg/kg		0.106	mg/kg	0.0000106 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.113	mg/kg		0.113	mg/kg	0.0000113 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	3.429 %		

Key

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

Classification of sample: BH49

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH49	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH49[2]

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

Sample details

Sample name:
BH49[2]
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.1 mg/kg	1.32	8.054 mg/kg	0.000805 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.173 mg/kg	1.142	0.198 mg/kg	0.0000198 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.2 mg/kg	1.462	23.677 mg/kg	0.00237 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		22000 mg/kg	1.43	31454.386 mg/kg	3.145 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	15.3 mg/kg		15.3 mg/kg	0.00153 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20.1 mg/kg	2.637	52.997 mg/kg	0.0053 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		26 mg/kg	1.785	46.415 mg/kg	0.00464 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62.1 mg/kg	2.469	153.343 mg/kg	0.0153 %		
14	pH			PH		9.01 pH		9.01 pH	9.01 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0202	mg/kg		0.0202	mg/kg	0.00000202 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0601	mg/kg		0.0601	mg/kg	0.00000601 %		
			205-912-4	206-44-0									
29		pyrene				0.0537	mg/kg		0.0537	mg/kg	0.00000537 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0361	mg/kg		0.0361	mg/kg	0.00000361 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0391	mg/kg		0.0391	mg/kg	0.00000391 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0489	mg/kg		0.0489	mg/kg	0.00000489 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0175	mg/kg		0.0175	mg/kg	0.00000175 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0362	mg/kg		0.0362	mg/kg	0.00000362 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0307	mg/kg		0.0307	mg/kg	0.00000307 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0316	mg/kg		0.0316	mg/kg	0.00000316 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.181 %		

Key

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

Classification of sample: BH51

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH51	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH52

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
BH52
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH53

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH53	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH53[2]

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

Sample details

Sample name:
BH53[2]
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.8 mg/kg	1.32	19.541 mg/kg	0.00195 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.07 mg/kg	3.22	3.445 mg/kg	0.000345 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.76 mg/kg	1.142	2.01 mg/kg	0.000201 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.8 mg/kg	1.462	42.093 mg/kg	0.00421 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		36500 mg/kg	1.43	52185.686 mg/kg	5.219 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	173 mg/kg		173 mg/kg	0.0173 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		38.6 mg/kg	2.637	101.776 mg/kg	0.0102 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		55.9 mg/kg	1.785	99.792 mg/kg	0.00998 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		257 mg/kg	2.469	634.609 mg/kg	0.0635 %		
14	pH			PH		7.8 pH		7.8 pH	7.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				0.0127	mg/kg		0.0127	mg/kg	0.00000127 %		
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				0.201	mg/kg		0.201	mg/kg	0.0000201 %		
			201-581-5	85-01-8									
27		anthracene				0.0534	mg/kg		0.0534	mg/kg	0.00000534 %		
			204-371-1	120-12-7									
28		fluoranthene				0.633	mg/kg		0.633	mg/kg	0.0000633 %		
			205-912-4	206-44-0									
29		pyrene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.315	mg/kg		0.315	mg/kg	0.0000315 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.331	mg/kg		0.331	mg/kg	0.0000331 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.304	mg/kg		0.304	mg/kg	0.0000304 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.253	mg/kg		0.253	mg/kg	0.0000253 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0462	mg/kg		0.0462	mg/kg	0.00000462 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.222	mg/kg		0.222	mg/kg	0.0000222 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	5.334 %		

Key

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

Classification of sample: BH54

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

Sample details

Sample name:		LoW Code:	
BH54		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.4 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.9	mg/kg	1.32	14.392	mg/kg	0.00144 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.35	mg/kg	1.142	1.542	mg/kg	0.000154 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.6	mg/kg	1.462	27.185	mg/kg	0.00272 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24.8	mg/kg	1.126	27.922	mg/kg	0.00279 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23000	mg/kg	1.43	32884.131	mg/kg	3.288 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	128	mg/kg		128	mg/kg	0.0128 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.1	mg/kg	2.637	74.091	mg/kg	0.00741 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35.7	mg/kg	1.785	63.731	mg/kg	0.00637 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		163	mg/kg	2.469	402.495	mg/kg	0.0402 %		
14	pH			PH		7.51	pH		7.51	pH	7.51 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0236	mg/kg		0.0236	mg/kg	0.00000236 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0575	mg/kg		0.0575	mg/kg	0.00000575 %		
			205-912-4	206-44-0									
29		pyrene				0.051	mg/kg		0.051	mg/kg	0.0000051 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0324	mg/kg		0.0324	mg/kg	0.00000324 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.033	mg/kg		0.033	mg/kg	0.0000033 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0502	mg/kg		0.0502	mg/kg	0.00000502 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0199	mg/kg		0.0199	mg/kg	0.00000199 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0284	mg/kg		0.0284	mg/kg	0.00000284 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0236	mg/kg		0.0236	mg/kg	0.00000236 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.367 %		

Key

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

Classification of sample: BH55

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

Sample details

Sample name:
BH55
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.8 mg/kg	1.32	20.861 mg/kg	0.00209 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.34 mg/kg	3.22	4.315 mg/kg	0.000431 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.53 mg/kg	1.142	1.748 mg/kg	0.000175 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.5 mg/kg	1.462	47.501 mg/kg	0.00475 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		38.4 mg/kg	1.126	43.234 mg/kg	0.00432 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		39500 mg/kg	1.43	56474.921 mg/kg	5.647 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	173 mg/kg		173 mg/kg	0.0173 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.374 mg/kg	1.353	0.506 mg/kg	0.0000506 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		38.3 mg/kg	2.637	100.985 mg/kg	0.0101 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		60.1 mg/kg	1.785	107.29 mg/kg	0.0107 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		297 mg/kg	2.469	733.381 mg/kg	0.0733 %		
14	pH			PH		6.06 pH		6.06 pH	6.06 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0461	mg/kg		0.0461	mg/kg	0.00000461 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.126	mg/kg		0.126	mg/kg	0.0000126 %		
			205-912-4	206-44-0									
29		pyrene				0.113	mg/kg		0.113	mg/kg	0.0000113 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.057	mg/kg		0.057	mg/kg	0.0000057 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.064	mg/kg		0.064	mg/kg	0.0000064 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0454	mg/kg		0.0454	mg/kg	0.00000454 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0294	mg/kg		0.0294	mg/kg	0.00000294 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0572	mg/kg		0.0572	mg/kg	0.00000572 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0434	mg/kg		0.0434	mg/kg	0.00000434 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0419	mg/kg		0.0419	mg/kg	0.00000419 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	5.775 %		

Key

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

Classification of sample: BH58

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

Sample details

Sample name:		LoW Code:	
BH58		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.3 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.21	mg/kg	1.32	2.918	mg/kg	0.000292 %		
2		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.285	mg/kg	1.142	0.326	mg/kg	0.0000326 %		
4		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.98	mg/kg	1.462	2.894	mg/kg	0.000289 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.12	mg/kg	1.126	5.765	mg/kg	0.000576 %		
7		iron { iron (III) oxide }		215-168-2	1309-37-1		2490	mg/kg	1.43	3560.065	mg/kg	0.356 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	50.2	mg/kg		50.2	mg/kg	0.00502 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		1.92	mg/kg	2.637	5.062	mg/kg	0.000506 %		
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.85	mg/kg	1.785	3.303	mg/kg	0.00033 %		
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		50.2	mg/kg	2.469	123.959	mg/kg	0.0124 %		
14		pH			PH		9.72	pH		9.72	pH	9.72 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
40	2,2-dichloropropane		209-832-0	594-20-7		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
50		bromodichloromethane		200-856-7	75-27-4		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
52		trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
53		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
54		1,3-dichloropropane		205-531-3	142-28-9		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
55		dibromochloromethane		204-704-0	124-48-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
56		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
57		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
58		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
59		styrene	601-026-00-0	202-851-5	100-42-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
60		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
61		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
62		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<**LOD**
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
64		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
65		tert-butylbenzene		202-632-4	98-06-6		<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
66		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
67		sec-butylbenzene		205-227-0	135-98-8		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.381 %		

Key

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

Classification of sample: BH60

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH60	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.3 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: BH61

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

Sample details

Sample name:
BH61
Sample Depth:
1.3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.6 mg/kg	1.32	21.917 mg/kg	0.00219 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.17 mg/kg	1.142	2.479 mg/kg	0.000248 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.3 mg/kg	1.462	35.516 mg/kg	0.00355 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.8 mg/kg	1.126	29.048 mg/kg	0.0029 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		20800 mg/kg	1.43	29738.692 mg/kg	2.974 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46.1 mg/kg		46.1 mg/kg	0.00461 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40.6 mg/kg	2.637	107.049 mg/kg	0.0107 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		51 mg/kg	1.785	91.044 mg/kg	0.0091 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		347 mg/kg	2.469	856.846 mg/kg	0.0857 %		
14	pH			PH		7.86 pH		7.86 pH	7.86 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.097 %		

Key

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

Classification of sample: BH62

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

Sample details

Sample name:		LoW Code:	
BH62		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.3 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.3 mg/kg	1.32	13.599 mg/kg	0.00136 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.14 mg/kg	3.22	3.671 mg/kg	0.000367 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.823 mg/kg	1.142	0.94 mg/kg	0.000094 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.6 mg/kg	1.462	33.031 mg/kg	0.0033 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		25200 mg/kg	1.43	36029.57 mg/kg	3.603 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	72.9 mg/kg		72.9 mg/kg	0.00729 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.166 mg/kg	1.353	0.225 mg/kg	0.0000225 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30.7 mg/kg	2.637	80.946 mg/kg	0.00809 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33.6 mg/kg	1.785	59.982 mg/kg	0.006 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		124 mg/kg	2.469	306.193 mg/kg	0.0306 %		
14	pH			PH		7.46 pH		7.46 pH	7.46 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0125 mg/kg		0.0125 mg/kg	0.00000125 %		
23	acenaphthylene		205-917-1	208-96-8		0.0238 mg/kg		0.0238 mg/kg	0.00000238 %		
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		0.0594 mg/kg		0.0594 mg/kg	0.00000594 %		
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		0.172 mg/kg		0.172 mg/kg	0.0000172 %		
29	pyrene		204-927-3	129-00-0		0.156 mg/kg		0.156 mg/kg	0.0000156 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.098 mg/kg		0.098 mg/kg	0.0000098 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		0.115 mg/kg		0.115 mg/kg	0.0000115 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.172 mg/kg		0.172 mg/kg	0.0000172 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.053 mg/kg		0.053 mg/kg	0.0000053 %		
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.109 mg/kg		0.109 mg/kg	0.0000109 %		
35	indeno[123-cd]pyrene		205-893-2	193-39-5		0.0861 mg/kg		0.0861 mg/kg	0.00000861 %		
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		0.0969 mg/kg		0.0969 mg/kg	0.00000969 %		
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	3.668 %		

Key

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

Classification of sample: BH63

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

Sample details

Sample name:
BH63
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.05 mg/kg	1.32	9.308 mg/kg	0.000931 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.261 mg/kg	1.142	0.298 mg/kg	0.0000298 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.82 mg/kg	1.462	7.045 mg/kg	0.000704 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.5 mg/kg	1.126	11.822 mg/kg	0.00118 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		17900 mg/kg	1.43	25592.432 mg/kg	2.559 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	21.9 mg/kg		21.9 mg/kg	0.00219 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.1 mg/kg	2.637	37.177 mg/kg	0.00372 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15.8 mg/kg	1.785	28.206 mg/kg	0.00282 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		56.5 mg/kg	2.469	139.515 mg/kg	0.014 %		
14	pH			PH		7.32 pH		7.32 pH	7.32 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		0.0172 mg/kg		0.0172 mg/kg	0.00000172 %		
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.119 mg/kg		0.119 mg/kg	0.0000119 %		
27		anthracene		204-371-1	120-12-7		0.0254 mg/kg		0.0254 mg/kg	0.00000254 %		
28		fluoranthene		205-912-4	206-44-0		0.253 mg/kg		0.253 mg/kg	0.0000253 %		
29		pyrene		204-927-3	129-00-0		0.217 mg/kg		0.217 mg/kg	0.0000217 %		
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.119 mg/kg		0.119 mg/kg	0.0000119 %		
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.119 mg/kg		0.119 mg/kg	0.0000119 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.123 mg/kg		0.123 mg/kg	0.0000123 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0492 mg/kg		0.0492 mg/kg	0.00000492 %		
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.0966 mg/kg		0.0966 mg/kg	0.00000966 %		
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.0683 mg/kg		0.0683 mg/kg	0.00000683 %		
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		0.0611 mg/kg		0.0611 mg/kg	0.00000611 %		
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	2.589 %		

Key

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

Classification of sample: BH65

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

Sample details

Sample name:		LoW Code:	
BH65		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.54	mg/kg	1.32	9.955	mg/kg	0.000996 %		
2		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.393	mg/kg	1.142	0.449	mg/kg	0.0000449 %		
4		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.79	mg/kg	1.462	14.309	mg/kg	0.00143 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.9	mg/kg	1.126	19.028	mg/kg	0.0019 %		
7		iron { iron (III) oxide }		215-168-2	1309-37-1		17600	mg/kg	1.43	25163.509	mg/kg	2.516 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	39.6	mg/kg		39.6	mg/kg	0.00396 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.3	mg/kg	2.637	37.705	mg/kg	0.00377 %		
11		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		18.3	mg/kg	1.785	32.669	mg/kg	0.00327 %		
13		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		71.8	mg/kg	2.469	177.295	mg/kg	0.0177 %		
14		pH			PH		6.7	pH		6.7	pH	6.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0378	mg/kg		0.0378	mg/kg	0.00000378 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.116	mg/kg		0.116	mg/kg	0.0000116 %		
			205-912-4	206-44-0									
29		pyrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0705	mg/kg		0.0705	mg/kg	0.00000705 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0705	mg/kg		0.0705	mg/kg	0.00000705 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.115	mg/kg		0.115	mg/kg	0.0000115 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0406	mg/kg		0.0406	mg/kg	0.00000406 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0717	mg/kg		0.0717	mg/kg	0.00000717 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0663	mg/kg		0.0663	mg/kg	0.00000663 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0548	mg/kg		0.0548	mg/kg	0.00000548 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.554 %		

Key

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

Classification of sample: BH65[2]

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

Sample details

Sample name:
BH65[2]
Sample Depth:
0.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: BH66

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

Sample details

Sample name:		LoW Code:	
BH66		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.91	mg/kg	1.32	9.123	mg/kg	0.000912 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.451	mg/kg	1.142	0.515	mg/kg	0.0000515 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10.5	mg/kg	1.462	15.346	mg/kg	0.00153 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.8	mg/kg	1.126	17.789	mg/kg	0.00178 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		20600	mg/kg	1.43	29452.743	mg/kg	2.945 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	26.5	mg/kg		26.5	mg/kg	0.00265 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20	mg/kg	2.637	52.734	mg/kg	0.00527 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		22.3	mg/kg	1.785	39.81	mg/kg	0.00398 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		76.5	mg/kg	2.469	188.901	mg/kg	0.0189 %		
14	pH			PH		7.58	pH		7.58	pH	7.58 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	2.985 %		

Key

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

Classification of sample: BH66[2]

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

Sample details

Sample name:
BH66[2]
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP01

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

Sample details

Sample name:
TP01
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.69 mg/kg	1.32	11.474 mg/kg	0.00115 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.509 mg/kg	1.142	0.581 mg/kg	0.0000581 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.3 mg/kg	1.462	17.977 mg/kg	0.0018 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		18600 mg/kg	1.43	26593.254 mg/kg	2.659 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	61.4 mg/kg		61.4 mg/kg	0.00614 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.143 mg/kg	1.353	0.194 mg/kg	0.0000194 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		17 mg/kg	2.637	44.824 mg/kg	0.00448 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21.2 mg/kg	1.785	37.846 mg/kg	0.00378 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		84 mg/kg	2.469	207.421 mg/kg	0.0207 %		
14	pH			PH		7.51 pH		7.51 pH	7.51 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.053	mg/kg		0.053	mg/kg	0.0000053 %		
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.127	mg/kg		0.127	mg/kg	0.0000127 %		
			201-581-5	85-01-8									
27		anthracene				0.0374	mg/kg		0.0374	mg/kg	0.00000374 %		
			204-371-1	120-12-7									
28		fluoranthene				0.448	mg/kg		0.448	mg/kg	0.0000448 %		
			205-912-4	206-44-0									
29		pyrene				0.393	mg/kg		0.393	mg/kg	0.0000393 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.263	mg/kg		0.263	mg/kg	0.0000263 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.273	mg/kg		0.273	mg/kg	0.0000273 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.434	mg/kg		0.434	mg/kg	0.0000434 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.151	mg/kg		0.151	mg/kg	0.0000151 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.278	mg/kg		0.278	mg/kg	0.0000278 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.224	mg/kg		0.224	mg/kg	0.0000224 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0398	mg/kg		0.0398	mg/kg	0.00000398 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.183	mg/kg		0.183	mg/kg	0.0000183 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.705 %		

Key

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

Classification of sample: TP02

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

Sample details

Sample name:
TP02
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.3 mg/kg	1.32	18.881 mg/kg	0.00189 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.25 mg/kg	3.22	4.025 mg/kg	0.000402 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.11 mg/kg	1.142	2.41 mg/kg	0.000241 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.9 mg/kg	1.462	42.239 mg/kg	0.00422 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37.5 mg/kg	1.126	42.221 mg/kg	0.00422 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		22800 mg/kg	1.43	32598.182 mg/kg	3.26 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	166 mg/kg		166 mg/kg	0.0166 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.737 mg/kg	1.353	0.998 mg/kg	0.0000998 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		36.6 mg/kg	2.637	96.503 mg/kg	0.00965 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		46.3 mg/kg	1.785	82.654 mg/kg	0.00827 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		275 mg/kg	2.469	679.057 mg/kg	0.0679 %		
14	pH			PH		7.51 pH		7.51 pH	7.51 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0271	mg/kg		0.0271	mg/kg	0.00000271 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0652	mg/kg		0.0652	mg/kg	0.00000652 %		
			205-912-4	206-44-0									
29		pyrene				0.0574	mg/kg		0.0574	mg/kg	0.00000574 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0371	mg/kg		0.0371	mg/kg	0.00000371 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.036	mg/kg		0.036	mg/kg	0.0000036 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0351	mg/kg		0.0351	mg/kg	0.00000351 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0291	mg/kg		0.0291	mg/kg	0.00000291 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0303	mg/kg		0.0303	mg/kg	0.00000303 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.377 %		

Key

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

Classification of sample: TP02[2]

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

Sample details

Sample name:	LoW Code:	
TP02[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP04

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

Sample details

Sample name:
TP04
Sample Depth:
1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP05

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP05	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.6 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: TP08

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

Sample details

Sample name:
TP08
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<**LOD**
2		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<**LOD**
3	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<**LOD**
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP08[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP08[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.2 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	**User entered data**	Conv. Factor	Compound conc.	**Classification value**	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: TP10

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

Sample details

Sample name:
TP10
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.6 mg/kg	1.32	20.597 mg/kg	0.00206 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.25 mg/kg	3.22	4.025 mg/kg	0.000402 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.88 mg/kg	1.142	2.148 mg/kg	0.000215 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		33.3 mg/kg	1.126	37.492 mg/kg	0.00375 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		35400 mg/kg	1.43	50612.967 mg/kg	5.061 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	174 mg/kg		174 mg/kg	0.0174 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		35.2 mg/kg	2.637	92.811 mg/kg	0.00928 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		47.8 mg/kg	1.785	85.332 mg/kg	0.00853 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		255 mg/kg	2.469	629.671 mg/kg	0.063 %		
14	pH			PH		7.59 pH		7.59 pH	7.59 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		48 mg/kg		48 mg/kg	0.0048 %		
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		0.032 mg/kg		0.032 mg/kg	0.0000032 %		
24		acenaphthene		201-469-6	83-32-9		0.0257 mg/kg		0.0257 mg/kg	0.00000257 %		
25		fluorene		201-695-5	86-73-7		0.0254 mg/kg		0.0254 mg/kg	0.00000254 %		
26		phenanthrene		201-581-5	85-01-8		0.508 mg/kg		0.508 mg/kg	0.0000508 %		
27		anthracene		204-371-1	120-12-7		0.178 mg/kg		0.178 mg/kg	0.0000178 %		
28		fluoranthene		205-912-4	206-44-0		1.67 mg/kg		1.67 mg/kg	0.000167 %		
29		pyrene		204-927-3	129-00-0		1.5 mg/kg		1.5 mg/kg	0.00015 %		
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.802 mg/kg		0.802 mg/kg	0.0000802 %		
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.811 mg/kg		0.811 mg/kg	0.0000811 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.11 mg/kg		1.11 mg/kg	0.000111 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.39 mg/kg		0.39 mg/kg	0.000039 %		
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.759 mg/kg		0.759 mg/kg	0.0000759 %		
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.51 mg/kg		0.51 mg/kg	0.000051 %		
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.0992 mg/kg		0.0992 mg/kg	0.00000992 %		
37		benzo[ghi]perylene		205-883-8	191-24-2		0.504 mg/kg		0.504 mg/kg	0.0000504 %		
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	5.176 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0048%)

Classification of sample: TP10[2]

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

Sample details

Sample name:	LoW Code:	
TP10[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	•	ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	3.0e-06 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP13

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

Sample details

Sample name:
TP13
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.2 mg/kg	1.32	1.584 mg/kg	0.000158 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.347 mg/kg	1.142	0.396 mg/kg	0.0000396 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.93 mg/kg	1.462	4.282 mg/kg	0.000428 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.83 mg/kg	1.126	6.564 mg/kg	0.000656 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		3000 mg/kg	1.43	4289.234 mg/kg	0.429 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.86 mg/kg		4.86 mg/kg	0.000486 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		1.95 mg/kg	2.637	5.142 mg/kg	0.000514 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		3.77 mg/kg	1.785	6.73 mg/kg	0.000673 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		34.4 mg/kg	2.469	84.944 mg/kg	0.00849 %		
14	pH			PH		8.82 pH		8.82 pH	8.82 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	0.445 %		

Key

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

Classification of sample: TP13[2]

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

Sample details

Sample name:
TP13[2]
Sample Depth:
0.8 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
2		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
3	●	ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
								Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP27

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

Sample details

Sample name:
TP27
Sample Depth:
0.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17.2 mg/kg	1.32	22.71 mg/kg	0.00227 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.89 mg/kg	3.22	6.086 mg/kg	0.000609 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.03 mg/kg	1.142	2.319 mg/kg	0.000232 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42.6 mg/kg	1.462	62.262 mg/kg	0.00623 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		53.6 mg/kg	1.126	60.348 mg/kg	0.00603 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		40600 mg/kg	1.43	58047.64 mg/kg	5.805 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	232 mg/kg		232 mg/kg	0.0232 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.593 mg/kg	1.353	0.803 mg/kg	0.0000803 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42.5 mg/kg	2.637	112.059 mg/kg	0.0112 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		63.7 mg/kg	1.785	113.716 mg/kg	0.0114 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		283 mg/kg	2.469	698.811 mg/kg	0.0699 %		
14	pH			PH		7.44 pH		7.44 pH	7.44 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				0.0651 mg/kg		0.0651 mg/kg	0.00000651 %		
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.192 mg/kg		0.192 mg/kg	0.0000192 %		
			205-912-4	206-44-0							
29		pyrene				0.175 mg/kg		0.175 mg/kg	0.0000175 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.102 mg/kg		0.102 mg/kg	0.0000102 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.0971 mg/kg		0.0971 mg/kg	0.00000971 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.112 mg/kg		0.112 mg/kg	0.0000112 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				0.0553 mg/kg		0.0553 mg/kg	0.00000553 %		
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.103 mg/kg		0.103 mg/kg	0.0000103 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.073 mg/kg		0.073 mg/kg	0.0000073 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				0.0774 mg/kg		0.0774 mg/kg	0.00000774 %		
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
50		bromodichloromethane		200-856-7	75-27-4		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
52		trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
53		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
54		1,3-dichloropropane		205-531-3	142-28-9		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
55		dibromochloromethane		204-704-0	124-48-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
56		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
57		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
58		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
59		styrene	601-026-00-0	202-851-5	100-42-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
60		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
61		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
62		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<**LOD**
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
64		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
65		tert-butylbenzene		202-632-4	98-06-6		<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
66		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
67		sec-butylbenzene		205-227-0	135-98-8		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	5.941 %		

Key

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

Classification of sample: TP32

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

Sample details

Sample name:		LoW Code:	
TP32		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.01	mg/kg	1.32	7.935	mg/kg	0.000794 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.254	mg/kg	1.142	0.29	mg/kg	0.000029 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.68	mg/kg	1.462	8.302	mg/kg	0.00083 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.01	mg/kg	1.126	10.144	mg/kg	0.00101 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		17200	mg/kg	1.43	24591.611	mg/kg	2.459 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12.6	mg/kg		12.6	mg/kg	0.00126 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.6	mg/kg	2.637	38.496	mg/kg	0.00385 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14.7	mg/kg	1.785	26.242	mg/kg	0.00262 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		40.6	mg/kg	2.469	100.253	mg/kg	0.01 %		
14	pH			PH		8.17	pH		8.17	pH	8.17 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	2.484 %		

Key

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

Classification of sample: TP35

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

Sample details

Sample name:
TP35
Sample Depth:
0.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.79 mg/kg	1.32	7.645 mg/kg	0.000764 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.13 mg/kg	1.142	1.291 mg/kg	0.000129 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.13 mg/kg	1.462	13.344 mg/kg	0.00133 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.63 mg/kg	1.126	10.842 mg/kg	0.00108 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		16700 mg/kg	1.43	23876.739 mg/kg	2.388 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.56 mg/kg		9.56 mg/kg	0.000956 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		22.8 mg/kg	2.637	60.116 mg/kg	0.00601 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14.4 mg/kg	1.785	25.707 mg/kg	0.00257 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		52.5 mg/kg	2.469	129.638 mg/kg	0.013 %		
14	pH			PH		7.49 pH		7.49 pH	7.49 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.418 %		

Key

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

Classification of sample: TP38

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

Sample details

Sample name:		LoW Code:	
TP38		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.31	mg/kg	1.32	7.011	mg/kg	0.000701 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.312	mg/kg	1.142	0.356	mg/kg	0.0000356 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.58	mg/kg	1.462	9.617	mg/kg	0.000962 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.57	mg/kg	1.126	10.775	mg/kg	0.00108 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		12500	mg/kg	1.43	17871.81	mg/kg	1.787 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	20.7	mg/kg		20.7	mg/kg	0.00207 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.26	mg/kg	2.637	16.506	mg/kg	0.00165 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11.6	mg/kg	1.785	20.708	mg/kg	0.00207 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		40.3	mg/kg	2.469	99.513	mg/kg	0.00995 %		
14	pH			PH		6.7	pH		6.7	pH	6.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				67.7	mg/kg		67.7	mg/kg	0.00677 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0295	mg/kg		0.0295	mg/kg	0.00000295 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0811	mg/kg		0.0811	mg/kg	0.00000811 %		
			205-912-4	206-44-0									
29		pyrene				0.0689	mg/kg		0.0689	mg/kg	0.00000689 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0488	mg/kg		0.0488	mg/kg	0.00000488 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0533	mg/kg		0.0533	mg/kg	0.00000533 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0945	mg/kg		0.0945	mg/kg	0.00000945 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0305	mg/kg		0.0305	mg/kg	0.00000305 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0533	mg/kg		0.0533	mg/kg	0.00000533 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0468	mg/kg		0.0468	mg/kg	0.00000468 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0442	mg/kg		0.0442	mg/kg	0.00000442 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	1.813 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00677%)

Classification of sample: TP39

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

Sample details

Sample name:
TP39
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.49 mg/kg	1.32	9.889 mg/kg	0.000989 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.232 mg/kg	1.142	0.265 mg/kg	0.0000265 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12.5 mg/kg	1.462	18.269 mg/kg	0.00183 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.4 mg/kg	1.126	17.339 mg/kg	0.00173 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		14400 mg/kg	1.43	20588.326 mg/kg	2.059 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	34.5 mg/kg		34.5 mg/kg	0.00345 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.3 mg/kg	2.637	27.158 mg/kg	0.00272 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15.4 mg/kg	1.785	27.492 mg/kg	0.00275 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		66.6 mg/kg	2.469	164.455 mg/kg	0.0164 %		
14	pH			PH		9.65 pH		9.65 pH	9.65 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				314	mg/kg		314	mg/kg	0.0314 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				0.135	mg/kg		0.135	mg/kg	0.0000135 %		
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				1.36	mg/kg		1.36	mg/kg	0.000136 %		
			201-469-6	83-32-9									
25		fluorene				0.793	mg/kg		0.793	mg/kg	0.0000793 %		
			201-695-5	86-73-7									
26		phenanthrene				10.2	mg/kg		10.2	mg/kg	0.00102 %		
			201-581-5	85-01-8									
27		anthracene				2.14	mg/kg		2.14	mg/kg	0.000214 %		
			204-371-1	120-12-7									
28		fluoranthene				21.1	mg/kg		21.1	mg/kg	0.00211 %		
			205-912-4	206-44-0									
29		pyrene				18.3	mg/kg		18.3	mg/kg	0.00183 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				7.54	mg/kg		7.54	mg/kg	0.000754 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				6.89	mg/kg		6.89	mg/kg	0.000689 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				9.29	mg/kg		9.29	mg/kg	0.000929 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				4.05	mg/kg		4.05	mg/kg	0.000405 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				6.84	mg/kg		6.84	mg/kg	0.000684 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				5.19	mg/kg		5.19	mg/kg	0.000519 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.807	mg/kg		0.807	mg/kg	0.0000807 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.131 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0314%)

Classification of sample: TP39[2]

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

Sample details

Sample name:	LoW Code:	
TP39[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.4 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP42

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

Sample details

Sample name:
TP42
Sample Depth:
0.7 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.44 mg/kg	1.32	11.144 mg/kg	0.00111 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.263 mg/kg	1.142	0.3 mg/kg	0.00003 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.14 mg/kg	1.462	10.436 mg/kg	0.00104 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.79 mg/kg	1.126	9.897 mg/kg	0.00099 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		17200 mg/kg	1.43	24591.611 mg/kg	2.459 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10.4 mg/kg		10.4 mg/kg	0.00104 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.25 mg/kg	2.637	21.753 mg/kg	0.00218 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.9 mg/kg	1.785	24.814 mg/kg	0.00248 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		33.2 mg/kg	2.469	81.981 mg/kg	0.0082 %		
14	pH			PH		8 pH		8 pH	8pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.481 %		

Key

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

Classification of sample: TP43

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

Sample details

Sample name:		LoW Code:	
TP43		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.6 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.51	mg/kg	1.32	11.236	mg/kg	0.00112 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.314	mg/kg	1.142	0.359	mg/kg	0.0000359 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		174	mg/kg	1.462	254.311	mg/kg	0.0254 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.2	mg/kg	1.126	28.372	mg/kg	0.00284 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		15900	mg/kg	1.43	22732.943	mg/kg	2.273 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	52.9	mg/kg		52.9	mg/kg	0.00529 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.1	mg/kg	2.637	26.631	mg/kg	0.00266 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15.4	mg/kg	1.785	27.492	mg/kg	0.00275 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		131	mg/kg	2.469	323.478	mg/kg	0.0323 %		
14	pH			PH		8.57	pH		8.57	pH	8.57 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				296	mg/kg		296	mg/kg	0.0296 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.0702	mg/kg		0.0702	mg/kg	0.00000702 %		
			205-917-1	208-96-8									
24		acenaphthene				0.0582	mg/kg		0.0582	mg/kg	0.00000582 %		
			201-469-6	83-32-9									
25		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.873	mg/kg		0.873	mg/kg	0.0000873 %		
			201-581-5	85-01-8									
27		anthracene				0.224	mg/kg		0.224	mg/kg	0.0000224 %		
			204-371-1	120-12-7									
28		fluoranthene				2.62	mg/kg		2.62	mg/kg	0.000262 %		
			205-912-4	206-44-0									
29		pyrene				2.54	mg/kg		2.54	mg/kg	0.000254 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				1.11	mg/kg		1.11	mg/kg	0.000111 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				1.14	mg/kg		1.14	mg/kg	0.000114 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				1.76	mg/kg		1.76	mg/kg	0.000176 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.959	mg/kg		0.959	mg/kg	0.0000959 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				1.17	mg/kg		1.17	mg/kg	0.000117 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				1.12	mg/kg		1.12	mg/kg	0.000112 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.899	mg/kg		0.899	mg/kg	0.0000899 %		
			205-883-8	191-24-2									
38		phenol				0.0206	mg/kg		0.0206	mg/kg	0.00000206 %		
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	2.378 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0296%)

Classification of sample: TP46

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

Sample details

Sample name:		LoW Code:	
TP46		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.18	mg/kg	1.142	0.206	mg/kg	0.0000206 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.37	mg/kg	1.462	10.772	mg/kg	0.00108 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22.1	mg/kg	1.126	24.882	mg/kg	0.00249 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		16500	mg/kg	1.43	23590.79	mg/kg	2.359 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	74	mg/kg		74	mg/kg	0.0074 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.16	mg/kg	2.637	24.152	mg/kg	0.00242 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15.3	mg/kg	1.785	27.313	mg/kg	0.00273 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		68.1	mg/kg	2.469	168.159	mg/kg	0.0168 %		
14	pH			PH		6.71	pH		6.71	pH	6.71 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		47.1 mg/kg		47.1 mg/kg	0.00471 %		
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0241 mg/kg		0.0241 mg/kg	0.00000241 %		
23	acenaphthylene		205-917-1	208-96-8		0.0747 mg/kg		0.0747 mg/kg	0.00000747 %		
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		0.011 mg/kg		0.011 mg/kg	0.0000011 %		
26	phenanthrene		201-581-5	85-01-8		0.204 mg/kg		0.204 mg/kg	0.0000204 %		
27	anthracene		204-371-1	120-12-7		0.0578 mg/kg		0.0578 mg/kg	0.00000578 %		
28	fluoranthene		205-912-4	206-44-0		0.67 mg/kg		0.67 mg/kg	0.000067 %		
29	pyrene		204-927-3	129-00-0		0.56 mg/kg		0.56 mg/kg	0.000056 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.355 mg/kg		0.355 mg/kg	0.0000355 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		0.338 mg/kg		0.338 mg/kg	0.0000338 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.554 mg/kg		0.554 mg/kg	0.0000554 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.214 mg/kg		0.214 mg/kg	0.0000214 %		
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.361 mg/kg		0.361 mg/kg	0.0000361 %		
35	indeno[123-cd]pyrene		205-893-2	193-39-5		0.305 mg/kg		0.305 mg/kg	0.0000305 %		
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.068 mg/kg		0.068 mg/kg	0.0000068 %		
37	benzo[ghi]perylene		205-883-8	191-24-2		0.267 mg/kg		0.267 mg/kg	0.0000267 %		
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	2.399 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00471%)

Classification of sample: TP49

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

Sample details

Sample name:
TP49
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.67 mg/kg	1.32	7.486 mg/kg	0.000749 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.324 mg/kg	1.142	0.37 mg/kg	0.000037 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.15 mg/kg	1.462	8.989 mg/kg	0.000899 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14.2 mg/kg	1.126	15.988 mg/kg	0.0016 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		10900 mg/kg	1.43	15584.219 mg/kg	1.558 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	37.5 mg/kg		37.5 mg/kg	0.00375 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.11 mg/kg	2.637	16.11 mg/kg	0.00161 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		10.5 mg/kg	1.785	18.744 mg/kg	0.00187 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		53.3 mg/kg	2.469	131.613 mg/kg	0.0132 %		
14	pH			PH		6.46 pH		6.46 pH	6.46 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				0.0543	mg/kg		0.0543	mg/kg	0.00000543 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				0.149	mg/kg		0.149	mg/kg	0.0000149 %		
			205-912-4	206-44-0									
29		pyrene				0.137	mg/kg		0.137	mg/kg	0.0000137 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0902	mg/kg		0.0902	mg/kg	0.00000902 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0954	mg/kg		0.0954	mg/kg	0.00000954 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.205	mg/kg		0.205	mg/kg	0.0000205 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0606	mg/kg		0.0606	mg/kg	0.00000606 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.111	mg/kg		0.111	mg/kg	0.0000111 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.139	mg/kg		0.139	mg/kg	0.0000139 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.104	mg/kg		0.104	mg/kg	0.0000104 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	1.587 %		

Key

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

Classification of sample: TP50

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

Sample details

Sample name:
TP50
Sample Depth:
0.8 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.86 mg/kg	1.32	11.698 mg/kg	0.00117 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0706 mg/kg	1.142	0.0806 mg/kg	0.00000806 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11.2 mg/kg	1.462	16.369 mg/kg	0.00164 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.1 mg/kg	1.126	17.001 mg/kg	0.0017 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		21900 mg/kg	1.43	31311.412 mg/kg	3.131 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	27 mg/kg		27 mg/kg	0.0027 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13.5 mg/kg	2.637	35.595 mg/kg	0.00356 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21.8 mg/kg	1.785	38.917 mg/kg	0.00389 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		58.5 mg/kg	2.469	144.454 mg/kg	0.0144 %		
14	pH			PH		7.64 pH		7.64 pH	7.64 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				0.0392	mg/kg		0.0392	mg/kg	0.00000392 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0213	mg/kg		0.0213	mg/kg	0.00000213 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0174	mg/kg		0.0174	mg/kg	0.00000174 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0346	mg/kg		0.0346	mg/kg	0.00000346 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0221	mg/kg		0.0221	mg/kg	0.00000221 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0213	mg/kg		0.0213	mg/kg	0.00000213 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.165 %		

Key

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

Classification of sample: WS04

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS04

Sample Depth:
0.1 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS04[2]

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

Sample details

Sample name:
WS04[2]
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.2 mg/kg	1.32	14.788 mg/kg	0.00148 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.41 mg/kg	1.142	2.753 mg/kg	0.000275 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20.5 mg/kg	1.462	29.962 mg/kg	0.003 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.3 mg/kg	1.126	18.352 mg/kg	0.00184 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		28500 mg/kg	1.43	40747.728 mg/kg	4.075 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	68.6 mg/kg		68.6 mg/kg	0.00686 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30.2 mg/kg	2.637	79.628 mg/kg	0.00796 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		29.8 mg/kg	1.785	53.199 mg/kg	0.00532 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		222 mg/kg	2.469	548.184 mg/kg	0.0548 %		
14	pH			PH		7.49 pH		7.49 pH	7.49 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				0.0124	mg/kg		0.0124	mg/kg	0.00000124 %		
		604-001-00-2	203-632-7	108-95-2									
										Total:	4.161 %		

Key

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

Classification of sample: WS08

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS08

Sample Depth:
0.1 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS08[2]

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

Sample details

Sample name:		LoW Code:	
WS08[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.3	mg/kg	1.32	16.24	mg/kg	0.00162 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.04	mg/kg	1.142	2.33	mg/kg	0.000233 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.8	mg/kg	1.462	40.631	mg/kg	0.00406 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.7	mg/kg	1.126	18.802	mg/kg	0.00188 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		28600	mg/kg	1.43	40890.702	mg/kg	4.089 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	55.2	mg/kg		55.2	mg/kg	0.00552 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32.4	mg/kg	2.637	85.429	mg/kg	0.00854 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.01	mg/kg	1.405	1.419	mg/kg	0.000142 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		42.8	mg/kg	1.785	76.406	mg/kg	0.00764 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		217	mg/kg	2.469	535.837	mg/kg	0.0536 %		
14	pH			PH		7.3	pH		7.3	pH	7.3 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	4.177 %		

Key

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

Classification of sample: WS10

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

Sample details

Sample name:
WS10
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.5 mg/kg	1.32	19.145 mg/kg	0.00191 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.14 mg/kg	3.22	3.671 mg/kg	0.000367 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2 mg/kg	1.142	2.285 mg/kg	0.000228 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		35.8 mg/kg	1.126	40.307 mg/kg	0.00403 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		33700 mg/kg	1.43	48182.401 mg/kg	4.818 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	131 mg/kg		131 mg/kg	0.0131 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		35.9 mg/kg	2.637	94.657 mg/kg	0.00947 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		48.9 mg/kg	1.785	87.296 mg/kg	0.00873 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		258 mg/kg	2.469	637.078 mg/kg	0.0637 %		
14	pH			PH		7.56 pH		7.56 pH	7.56 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		0.0267 mg/kg		0.0267 mg/kg	0.00000267 %		
29		pyrene		204-927-3	129-00-0		0.0233 mg/kg		0.0233 mg/kg	0.00000233 %		
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.0162 mg/kg		0.0162 mg/kg	0.00000162 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0236 mg/kg		0.0236 mg/kg	0.00000236 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	4.929 %		

Key

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

Classification of sample: WS12

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS12	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS13

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

Sample details

Sample name:
WS13
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.82 mg/kg	1.32	12.966 mg/kg	0.0013 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.52 mg/kg	1.142	1.736 mg/kg	0.000174 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.6 mg/kg	1.462	28.646 mg/kg	0.00286 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.3 mg/kg	1.126	17.226 mg/kg	0.00172 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		24800 mg/kg	1.43	35457.672 mg/kg	3.546 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	97.6 mg/kg		97.6 mg/kg	0.00976 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24.4 mg/kg	2.637	64.335 mg/kg	0.00643 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		28.2 mg/kg	1.785	50.342 mg/kg	0.00503 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		188 mg/kg	2.469	464.228 mg/kg	0.0464 %		
14	pH			PH		7.71 pH		7.71 pH	7.71 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	3.624 %		

Key

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

Classification of sample: WS15

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS15	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS17

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

Sample details

Sample name:
WS17
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.8 mg/kg	1.32	19.541 mg/kg	0.00195 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.26 mg/kg	1.142	2.582 mg/kg	0.000258 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34.2 mg/kg	1.462	49.985 mg/kg	0.005 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.8 mg/kg	1.126	31.3 mg/kg	0.00313 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		36700 mg/kg	1.43	52471.635 mg/kg	5.247 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	138 mg/kg		138 mg/kg	0.0138 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		37.8 mg/kg	2.637	99.667 mg/kg	0.00997 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.32 mg/kg	1.405	1.855 mg/kg	0.000185 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		50.7 mg/kg	1.785	90.509 mg/kg	0.00905 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		288 mg/kg	2.469	711.157 mg/kg	0.0711 %		
14	pH			PH		7.66 pH		7.66 pH	7.66 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				0.0411	mg/kg		0.0411	mg/kg	0.00000411 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				0.121	mg/kg		0.121	mg/kg	0.0000121 %		
			205-912-4	206-44-0									
29		pyrene				0.109	mg/kg		0.109	mg/kg	0.0000109 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0649	mg/kg		0.0649	mg/kg	0.00000649 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0749	mg/kg		0.0749	mg/kg	0.00000749 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.101	mg/kg		0.101	mg/kg	0.0000101 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0329	mg/kg		0.0329	mg/kg	0.00000329 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0635	mg/kg		0.0635	mg/kg	0.00000635 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0546	mg/kg		0.0546	mg/kg	0.00000546 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0535	mg/kg		0.0535	mg/kg	0.00000535 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	5.366 %		

Key

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

Classification of sample: WS23

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS23	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS23[2]

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

Sample details

Sample name:
WS23[2]
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18.8 mg/kg	1.32	24.822 mg/kg	0.00248 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.83 mg/kg	1.142	4.375 mg/kg	0.000438 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34.1 mg/kg	1.462	49.839 mg/kg	0.00498 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.8 mg/kg	1.126	31.3 mg/kg	0.00313 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		43000 mg/kg	1.43	61479.028 mg/kg	6.148 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	97.2 mg/kg		97.2 mg/kg	0.00972 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		46.9 mg/kg	2.637	123.661 mg/kg	0.0124 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		50.1 mg/kg	1.785	89.438 mg/kg	0.00894 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		389 mg/kg	2.469	960.556 mg/kg	0.0961 %		
14	pH			PH		7.66 pH		7.66 pH	7.66 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
29		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	6.29 %		

Key

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

Classification of sample: WS26

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

Sample details

Sample name:		LoW Code:	
WS26		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.9	mg/kg	1.32	19.673	mg/kg	0.00197 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.36	mg/kg	3.22	4.379	mg/kg	0.000438 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.32	mg/kg	1.142	2.65	mg/kg	0.000265 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29.2	mg/kg	1.462	42.677	mg/kg	0.00427 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28.1	mg/kg	1.126	31.637	mg/kg	0.00316 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		32800	mg/kg	1.43	46895.63	mg/kg	4.69 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	142	mg/kg		142	mg/kg	0.0142 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		33.9	mg/kg	2.637	89.384	mg/kg	0.00894 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1	mg/kg	1.405	1.546	mg/kg	0.000155 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49.4	mg/kg	1.785	88.188	mg/kg	0.00882 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		250	mg/kg	2.469	617.324	mg/kg	0.0617 %		
14	pH			PH		6.44	pH		6.44	pH	6.44 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				0.0424 mg/kg		0.0424 mg/kg	0.00000424 %		
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				0.119 mg/kg		0.119 mg/kg	0.0000119 %		
			205-912-4	206-44-0							
29		pyrene				0.102 mg/kg		0.102 mg/kg	0.0000102 %		
			204-927-3	129-00-0							
30		benzo[a]anthracene				0.059 mg/kg		0.059 mg/kg	0.0000059 %		
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				0.0649 mg/kg		0.0649 mg/kg	0.00000649 %		
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				0.111 mg/kg		0.111 mg/kg	0.0000111 %		
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				0.0356 mg/kg		0.0356 mg/kg	0.00000356 %		
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				0.064 mg/kg		0.064 mg/kg	0.0000064 %		
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				0.051 mg/kg		0.051 mg/kg	0.0000051 %		
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				0.0565 mg/kg		0.0565 mg/kg	0.00000565 %		
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	4.798 %		

Key

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

Classification of sample: WS28

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS28

Sample Depth:
0.1 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS28[2]

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

Sample details

Sample name:		LoW Code:	
WS28[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.7 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.7 mg/kg	1.32	20.729 mg/kg	0.00207 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.64 mg/kg	1.142	4.158 mg/kg	0.000416 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.4 mg/kg	1.462	25.431 mg/kg	0.00254 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.5 mg/kg	1.126	18.577 mg/kg	0.00186 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31800 mg/kg	1.43	45465.886 mg/kg	4.547 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	69.1 mg/kg		69.1 mg/kg	0.00691 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		36.8 mg/kg	2.637	97.03 mg/kg	0.0097 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33.1 mg/kg	1.785	59.09 mg/kg	0.00591 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		273 mg/kg	2.469	674.118 mg/kg	0.0674 %		
14	pH			PH		7.42 pH		7.42 pH	7.42 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	4.648 %		

Key

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

Classification of sample: WS29

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

Sample details

Sample name:
WS29
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.9 mg/kg	1.32	20.993 mg/kg	0.0021 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.33 mg/kg	3.22	4.282 mg/kg	0.000428 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.09 mg/kg	1.142	2.387 mg/kg	0.000239 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29.1 mg/kg	1.462	42.531 mg/kg	0.00425 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.6 mg/kg	1.126	31.075 mg/kg	0.00311 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		35700 mg/kg	1.43	51041.89 mg/kg	5.104 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34.7 mg/kg	2.637	91.493 mg/kg	0.00915 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.16 mg/kg	1.405	1.63 mg/kg	0.000163 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		48.4 mg/kg	1.785	86.403 mg/kg	0.00864 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		282 mg/kg	2.469	696.342 mg/kg	0.0696 %		
14	pH			PH		6.53 pH		6.53 pH	6.53 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0468	mg/kg		0.0468	mg/kg	0.00000468 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.129	mg/kg		0.129	mg/kg	0.0000129 %		
			205-912-4	206-44-0									
29		pyrene				0.113	mg/kg		0.113	mg/kg	0.0000113 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0687	mg/kg		0.0687	mg/kg	0.00000687 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0678	mg/kg		0.0678	mg/kg	0.00000678 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.109	mg/kg		0.109	mg/kg	0.0000109 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0359	mg/kg		0.0359	mg/kg	0.00000359 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0647	mg/kg		0.0647	mg/kg	0.00000647 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0483	mg/kg		0.0483	mg/kg	0.00000483 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0466	mg/kg		0.0466	mg/kg	0.00000466 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	5.22 %		

Key

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

Classification of sample: WS46

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS46	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.3 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 2.01%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 2.01%)

Carc. 2; H351 "Suspected of causing cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

naphthalene: (conc.: 1.9%)

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 12.5 pH)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 2.01%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 2; H411 "Toxic to aquatic life with long lasting effects."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 2.01%)

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinand:

naphthalene: (conc.: 1.9%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		610	mg/kg	1.32	805.398	mg/kg	0.0805 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.101	mg/kg	1.142	0.115	mg/kg	0.0000115 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.5	mg/kg	1.462	5.115	mg/kg	0.000512 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.31	mg/kg	1.126	7.104	mg/kg	0.00071 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		2620	mg/kg	1.43	3745.931	mg/kg	0.375 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	70.8	mg/kg		70.8	mg/kg	0.00708 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.579	mg/kg	1.353	0.784	mg/kg	0.0000784 %		
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		2.44	mg/kg	2.637	6.434	mg/kg	0.000643 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.68	mg/kg	1.785	8.355	mg/kg	0.000835 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51.8	mg/kg	2.469	127.91	mg/kg	0.0128 %		
14	pH			PH		12.5	pH		12.5	pH	12.5 pH		
15	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				13.6	mg/kg	1.884	25.622	mg/kg	0.00256 %		
16	TPH (C6 to C40) petroleum group			TPH		20100	mg/kg		20100	mg/kg	2.01 %		
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		19000	mg/kg		19000	mg/kg	1.9 %		
23		acenaphthylene		205-917-1	208-96-8		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
25		fluorene		201-695-5	86-73-7		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
26		phenanthrene		201-581-5	85-01-8		79.6	mg/kg		79.6	mg/kg	0.00796 %		
27		anthracene		204-371-1	120-12-7		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
29		pyrene		204-927-3	129-00-0		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		1.58	mg/kg		1.58	mg/kg	0.000158 %		
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
41		bromochloromethane		200-826-3	74-97-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
43		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
44		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
45		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
46		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
47		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
48		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
49		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<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							
50		bromodichloromethane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4							
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
52		trans-1,3-dichloropropene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6							
53		1,1,2-trichloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
54		1,3-dichloropropane				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9							
55		dibromochloromethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1							
56		1,2-dibromoethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
57		chlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
58		1,1,1,2-tetrachloroethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6							
59		styrene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
60		bromoform; tribromomethane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
61		bromobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
62		1,2,3-trichloropropane				<0.32 mg/kg		<0.32 mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
64		mesitylene; 1,3,5-trimethylbenzene				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
65		tert-butylbenzene				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6							
66		1,2,4-trimethylbenzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
67		sec-butylbenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8							
68		4-isopropyltoluene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			202-796-7	99-87-6							
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
70		n-butylbenzene				<0.22 mg/kg		<0.22 mg/kg	<0.000022 %		<LOD
			203-209-7	104-51-8							
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
72		1,2-dibromo-3-chloropropane				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
73		1,2,4-trichlorobenzene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
74		hexachlorobutadiene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
			201-765-5	87-68-3							
75		1,2,3-trichlorobenzene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
			201-757-1	87-61-6							
76		polychlorobiphenyls; PCB				<0.036 mg/kg		<0.036 mg/kg	<0.0000036 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
								Total:	4.407 %		

Key

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

Classification of sample: WS46[2]

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

Sample details

Sample name:
WS46[2]
Sample Depth:
3 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		104 mg/kg	1.32	137.314 mg/kg	0.0137 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.14 mg/kg	3.22	3.671 mg/kg	0.000367 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0545 mg/kg	1.142	0.0623 mg/kg	0.00000623 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26.1 mg/kg	1.462	38.147 mg/kg	0.00381 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17.5 mg/kg	1.126	19.703 mg/kg	0.00197 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		31200 mg/kg	1.43	44608.039 mg/kg	4.461 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.5 mg/kg		16.5 mg/kg	0.00165 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12.1 mg/kg	2.637	31.904 mg/kg	0.00319 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.4 mg/kg	1.785	77.477 mg/kg	0.00775 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69.8 mg/kg	2.469	172.357 mg/kg	0.0172 %		
14	pH			PH		3.13 pH		3.13 pH	3.13 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		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				17.8	mg/kg	1.884	33.535	mg/kg	0.00335 %		
16		TPH (C6 to C40) petroleum group			TPH		<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
22		naphthalene	601-052-00-2	202-049-5	91-20-3		7.94	mg/kg		7.94	mg/kg	0.000794 %		
23		acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
24		acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
25		fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
26		phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
27		anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
28		fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
29		pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
40		2,2-dichloropropane		209-832-0	594-20-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
										Total:	4.519 %		

Key

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

Classification of sample: WS48

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

Sample details

Sample name:
WS48
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20.5 mg/kg	1.32	27.067 mg/kg	0.00271 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.534 mg/kg	1.142	0.61 mg/kg	0.000061 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		114 mg/kg	1.462	166.617 mg/kg	0.0167 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		134 mg/kg	1.126	150.869 mg/kg	0.0151 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		24300 mg/kg	1.43	34742.799 mg/kg	3.474 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	145 mg/kg		145 mg/kg	0.0145 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.6 mg/kg	2.637	75.409 mg/kg	0.00754 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49.1 mg/kg	1.785	87.653 mg/kg	0.00877 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		287 mg/kg	2.469	708.688 mg/kg	0.0709 %		
14	pH			PH		8.24 pH		8.24 pH	8.24 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				61	mg/kg		61	mg/kg	0.0061 %		
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				0.421	mg/kg		0.421	mg/kg	0.0000421 %		
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.0744	mg/kg		0.0744	mg/kg	0.00000744 %		
			205-917-1	208-96-8									
24		acenaphthene				0.0114	mg/kg		0.0114	mg/kg	0.00000114 %		
			201-469-6	83-32-9									
25		fluorene				0.0234	mg/kg		0.0234	mg/kg	0.00000234 %		
			201-695-5	86-73-7									
26		phenanthrene				0.513	mg/kg		0.513	mg/kg	0.0000513 %		
			201-581-5	85-01-8									
27		anthracene				0.143	mg/kg		0.143	mg/kg	0.0000143 %		
			204-371-1	120-12-7									
28		fluoranthene				1.31	mg/kg		1.31	mg/kg	0.000131 %		
			205-912-4	206-44-0									
29		pyrene				1.18	mg/kg		1.18	mg/kg	0.000118 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.776	mg/kg		0.776	mg/kg	0.0000776 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.737	mg/kg		0.737	mg/kg	0.0000737 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.975	mg/kg		0.975	mg/kg	0.0000975 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.339	mg/kg		0.339	mg/kg	0.0000339 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.612	mg/kg		0.612	mg/kg	0.0000612 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.426	mg/kg		0.426	mg/kg	0.0000426 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.071	mg/kg		0.071	mg/kg	0.0000071 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.393	mg/kg		0.393	mg/kg	0.0000393 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
40		2,2-dichloropropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			209-832-0	594-20-7									

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	3.619 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0061%)

Classification of sample: WS48[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS48[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	**User entered data**	Conv. Factor	Compound conc.	**Classification value**	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS50A

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

Sample details

Sample name:		LoW Code:	
WS50A		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21	mg/kg	1.32	27.727	mg/kg	0.00277 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.3	mg/kg	3.22	4.186	mg/kg	0.000419 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.56	mg/kg	1.142	4.067	mg/kg	0.000407 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.7	mg/kg	1.462	53.639	mg/kg	0.00536 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		29.5	mg/kg	1.126	33.214	mg/kg	0.00332 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		66000	mg/kg	1.43	94363.159	mg/kg	9.436 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42.2	mg/kg		42.2	mg/kg	0.00422 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		48.9	mg/kg	2.637	128.934	mg/kg	0.0129 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.45	mg/kg	1.405	2.037	mg/kg	0.000204 %		
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		64.1	mg/kg	1.785	114.43	mg/kg	0.0114 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		410	mg/kg	2.469	1012.412	mg/kg	0.101 %		
14	pH			PH		7.56	pH		7.56	pH	7.56 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
39		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
40		2,2-dichloropropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			209-832-0	594-20-7							

#		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									
41		bromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			200-826-3	74-97-5									
42		chloroform; trichloromethane				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
43		1,1,1-trichloroethane; methyl chloroform				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
44		1,1-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		carbon tetrachloride; tetrachloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
46		1,2-dichloroethane; ethylene dichloride				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
47		trichloroethylene; trichloroethene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
48		1,2-dichloropropane; propylene dichloride				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
49		dibromomethane				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
50		bromodichloromethane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			200-856-7	75-27-4									
51		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
52		trans-1,3-dichloropropene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			431-460-4	10061-02-6									
53		1,1,2-trichloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
54		1,3-dichloropropane				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
			205-531-3	142-28-9									
55		dibromochloromethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-704-0	124-48-1									
56		1,2-dibromoethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
57		chlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
58		1,1,1,2-tetrachloroethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			211-135-1	630-20-6									
59		styrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
60		bromoform; tribromomethane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
61		bromobenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
62		1,2,3-trichloropropane				<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
63		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
64		mesitylene; 1,3,5-trimethylbenzene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
65		tert-butylbenzene				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<LOD
			202-632-4	98-06-6									
66		1,2,4-trimethylbenzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
67		sec-butylbenzene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-227-0	135-98-8									

#		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									
68		4-isopropyltoluene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-796-7	99-87-6									
69		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
70		n-butylbenzene				<0.22	mg/kg		<0.22	mg/kg	<0.000022 %		<**LOD**
			203-209-7	104-51-8									
71		1,2-dichlorobenzene; o-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
72		1,2-dibromo-3-chloropropane				<0.28	mg/kg		<0.28	mg/kg	<0.000028 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
73		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
74		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-765-5	87-68-3									
75		1,2,3-trichlorobenzene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-757-1	87-61-6									
76		polychlorobiphenyls; PCB				<0.036	mg/kg		<0.036	mg/kg	<0.0000036 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	9.583 %		

Key

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

Classification of sample: WS50A[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS50A[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS54

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

Sample details

Sample name:
WS54
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18.7 mg/kg	1.32	24.69 mg/kg	0.00247 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.56 mg/kg	3.22	5.023 mg/kg	0.000502 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.94 mg/kg	1.142	2.216 mg/kg	0.000222 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		50.4 mg/kg	1.462	73.662 mg/kg	0.00737 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		61.9 mg/kg	1.126	69.692 mg/kg	0.00697 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		38200 mg/kg	1.43	54616.252 mg/kg	5.462 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	283 mg/kg		283 mg/kg	0.0283 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		41.1 mg/kg	2.637	108.368 mg/kg	0.0108 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		63.9 mg/kg	1.785	114.073 mg/kg	0.0114 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		315 mg/kg	2.469	777.828 mg/kg	0.0778 %		
14	pH			PH		7.83 pH		7.83 pH	7.83 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.0323	mg/kg		0.0323	mg/kg	0.00000323 %		
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
28		fluoranthene				0.0776	mg/kg		0.0776	mg/kg	0.00000776 %		
			205-912-4	206-44-0									
29		pyrene				0.0679	mg/kg		0.0679	mg/kg	0.00000679 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.0368	mg/kg		0.0368	mg/kg	0.00000368 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0381	mg/kg		0.0381	mg/kg	0.00000381 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0676	mg/kg		0.0676	mg/kg	0.00000676 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.0231	mg/kg		0.0231	mg/kg	0.00000231 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.0382	mg/kg		0.0382	mg/kg	0.00000382 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.0408	mg/kg		0.0408	mg/kg	0.00000408 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.033	mg/kg		0.033	mg/kg	0.0000033 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	5.612 %		

Key

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

Classification of sample: WS54[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS54[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
3 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS57

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS57

Sample Depth:
0.1 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS57[2]

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

Sample details

Sample name:		LoW Code:	
WS57[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.87 mg/kg	1.32	10.391 mg/kg	0.00104 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.452 mg/kg	1.142	0.516 mg/kg	0.0000516 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.22 mg/kg	1.462	6.168 mg/kg	0.000617 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.31 mg/kg	1.126	9.356 mg/kg	0.000936 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		16900 mg/kg	1.43	24162.688 mg/kg	2.416 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10.9 mg/kg		10.9 mg/kg	0.00109 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.91 mg/kg	2.637	26.13 mg/kg	0.00261 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11.9 mg/kg	1.785	21.244 mg/kg	0.00212 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		29.8 mg/kg	2.469	73.585 mg/kg	0.00736 %		
14	pH			PH		7.71 pH		7.71 pH	7.71 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28	fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29	pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37	benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
								Total:	2.437 %		

Key

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

Classification of sample: WS64

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS64
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS64[2]

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

Sample details

Sample name:
WS64[2]

Sample Depth:
1.8 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.95 mg/kg	1.32	3.895 mg/kg	0.000389 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0247 mg/kg	1.142	0.0282 mg/kg	0.00000282 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.48 mg/kg	1.462	6.548 mg/kg	0.000655 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.28 mg/kg	1.126	4.819 mg/kg	0.000482 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		4410 mg/kg	1.43	6305.175 mg/kg	0.631 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.85 mg/kg		9.85 mg/kg	0.000985 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		4.59 mg/kg	2.637	12.102 mg/kg	0.00121 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		6.73 mg/kg	1.785	12.014 mg/kg	0.0012 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		13.3 mg/kg	2.469	32.842 mg/kg	0.00328 %		
14	pH			PH		7.99 pH		7.99 pH	7.99 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
15		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									
16		TPH (C6 to C40) petroleum group				<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
				TPH							
17		benzene				<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
23		acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
24		acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
25		fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
26		phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
27		anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
28		fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
29		pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
30		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
31		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
32		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
33		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
34		benzo[a]pyrene; benzo[def]chrysene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
35		indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
36		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
37		benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
38		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.643 %		

Key

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

Classification of sample: WS65

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

Sample details

Sample name:
WS65
Sample Depth:
0.6 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.58 mg/kg	1.32	7.367 mg/kg	0.000737 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.12 mg/kg	1.142	0.137 mg/kg	0.0000137 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		50.7 mg/kg	1.462	74.101 mg/kg	0.00741 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.5 mg/kg	1.126	15.199 mg/kg	0.00152 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		13300 mg/kg	1.43	19015.606 mg/kg	1.902 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24.7 mg/kg		24.7 mg/kg	0.00247 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.87 mg/kg	2.637	20.751 mg/kg	0.00208 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15 mg/kg	1.785	26.778 mg/kg	0.00268 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		42 mg/kg	2.469	103.71 mg/kg	0.0104 %		
14	pH			PH		8.25 pH		8.25 pH	8.25 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				0.0412	mg/kg		0.0412	mg/kg	0.00000412 %		
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.017	mg/kg		0.017	mg/kg	0.0000017 %		
			205-917-1	208-96-8									
24		acenaphthene				0.0148	mg/kg		0.0148	mg/kg	0.00000148 %		
			201-469-6	83-32-9									
25		fluorene				0.0141	mg/kg		0.0141	mg/kg	0.00000141 %		
			201-695-5	86-73-7									
26		phenanthrene				0.245	mg/kg		0.245	mg/kg	0.0000245 %		
			201-581-5	85-01-8									
27		anthracene				0.0596	mg/kg		0.0596	mg/kg	0.00000596 %		
			204-371-1	120-12-7									
28		fluoranthene				0.582	mg/kg		0.582	mg/kg	0.0000582 %		
			205-912-4	206-44-0									
29		pyrene				0.503	mg/kg		0.503	mg/kg	0.0000503 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.273	mg/kg		0.273	mg/kg	0.0000273 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.253	mg/kg		0.253	mg/kg	0.0000253 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.406	mg/kg		0.406	mg/kg	0.0000406 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.117	mg/kg		0.117	mg/kg	0.0000117 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.267	mg/kg		0.267	mg/kg	0.0000267 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.242	mg/kg		0.242	mg/kg	0.0000242 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0392	mg/kg		0.0392	mg/kg	0.00000392 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.218	mg/kg		0.218	mg/kg	0.0000218 %		
			205-883-8	191-24-2									
38		phenol				0.0333	mg/kg		0.0333	mg/kg	0.00000333 %		
		604-001-00-2	203-632-7	108-95-2									
										Total:	1.934 %		

Key

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

Classification of sample: WS66

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

Sample details

Sample name:	LoW Code:	
WS66	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2							
2		toluene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3							
3		ethylbenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4							
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4							
								Total:	3.0e-06 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: WS66[2]

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

Sample details

Sample name:
WS66[2]
Sample Depth:
0.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.96 mg/kg	1.32	6.549 mg/kg	0.000655 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0808 mg/kg	1.142	0.0923 mg/kg	0.00000923 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.54 mg/kg	1.462	11.02 mg/kg	0.0011 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.06 mg/kg	1.126	9.075 mg/kg	0.000907 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		14200 mg/kg	1.43	20302.377 mg/kg	2.03 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19.7 mg/kg		19.7 mg/kg	0.00197 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.76 mg/kg	2.637	20.461 mg/kg	0.00205 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13.1 mg/kg	1.785	23.386 mg/kg	0.00234 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31.5 mg/kg	2.469	77.783 mg/kg	0.00778 %		
14	pH			PH		7.78 pH		7.78 pH	7.78 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
24		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
26		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
27		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
28		fluoranthene				0.0264	mg/kg		0.0264	mg/kg	0.00000264 %		
			205-912-4	206-44-0									
29		pyrene				0.0227	mg/kg		0.0227	mg/kg	0.00000227 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.0127	mg/kg		0.0127	mg/kg	0.00000127 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.0203	mg/kg		0.0203	mg/kg	0.00000203 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	2.051 %		

Key

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

Classification of sample: WS68

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

Sample details

Sample name:		LoW Code:	
WS68		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.4	mg/kg	1.32	13.731	mg/kg	0.00137 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.205	mg/kg	1.142	0.234	mg/kg	0.0000234 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.08	mg/kg	1.462	7.425	mg/kg	0.000742 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.5	mg/kg	1.126	20.829	mg/kg	0.00208 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		23400	mg/kg	1.43	33456.029	mg/kg	3.346 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42.9	mg/kg		42.9	mg/kg	0.00429 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.8	mg/kg	2.637	28.476	mg/kg	0.00285 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		19.3	mg/kg	1.785	34.454	mg/kg	0.00345 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		67.5	mg/kg	2.469	166.678	mg/kg	0.0167 %		
14	pH			PH		7.64	pH		7.64	pH	7.64 pH		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	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
16	TPH (C6 to C40) petroleum group			TPH		56.5 mg/kg		56.5 mg/kg	0.00565 %		
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	acenaphthylene		205-917-1	208-96-8		0.0146 mg/kg		0.0146 mg/kg	0.00000146 %		
24	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	phenanthrene		201-581-5	85-01-8		0.0914 mg/kg		0.0914 mg/kg	0.00000914 %		
27	anthracene		204-371-1	120-12-7		0.018 mg/kg		0.018 mg/kg	0.0000018 %		
28	fluoranthene		205-912-4	206-44-0		0.322 mg/kg		0.322 mg/kg	0.0000322 %		
29	pyrene		204-927-3	129-00-0		0.286 mg/kg		0.286 mg/kg	0.0000286 %		
30	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.153 mg/kg		0.153 mg/kg	0.0000153 %		
31	chrysene	601-048-00-0	205-923-4	218-01-9		0.184 mg/kg		0.184 mg/kg	0.0000184 %		
32	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.188 mg/kg		0.188 mg/kg	0.0000188 %		
33	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0952 mg/kg		0.0952 mg/kg	0.00000952 %		
34	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.189 mg/kg		0.189 mg/kg	0.0000189 %		
35	indeno[123-cd]pyrene		205-893-2	193-39-5		0.209 mg/kg		0.209 mg/kg	0.0000209 %		
36	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.0343 mg/kg		0.0343 mg/kg	0.00000343 %		
37	benzo[ghi]perylene		205-883-8	191-24-2		0.165 mg/kg		0.165 mg/kg	0.0000165 %		
38	phenol	604-001-00-2	203-632-7	108-95-2		0.011 mg/kg		0.011 mg/kg	0.0000011 %		
								Total:	3.384 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00565%)

Classification of sample: WS69

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

Sample details

Sample name:
WS69
Sample Depth:
0.1 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.62 mg/kg	1.32	10.061 mg/kg	0.00101 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.247 mg/kg	1.142	0.282 mg/kg	0.0000282 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.14 mg/kg	1.462	8.974 mg/kg	0.000897 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.3 mg/kg	1.126	22.856 mg/kg	0.00229 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		13300 mg/kg	1.43	19015.606 mg/kg	1.902 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	32.7 mg/kg		32.7 mg/kg	0.00327 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.07 mg/kg	2.637	18.641 mg/kg	0.00186 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14.5 mg/kg	1.785	25.885 mg/kg	0.00259 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		47 mg/kg	2.469	116.057 mg/kg	0.0116 %		
14	pH			PH		6.96 pH		6.96 pH	6.96 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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											
16		TPH (C6 to C40) petroleum group				<35	mg/kg		<35	mg/kg	<0.0035 %		<**LOD**
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
22		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.0173	mg/kg		0.0173	mg/kg	0.00000173 %		
			205-917-1	208-96-8									
24		acenaphthene				0.0119	mg/kg		0.0119	mg/kg	0.00000119 %		
			201-469-6	83-32-9									
25		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
26		phenanthrene				0.225	mg/kg		0.225	mg/kg	0.0000225 %		
			201-581-5	85-01-8									
27		anthracene				0.029	mg/kg		0.029	mg/kg	0.0000029 %		
			204-371-1	120-12-7									
28		fluoranthene				0.62	mg/kg		0.62	mg/kg	0.000062 %		
			205-912-4	206-44-0									
29		pyrene				0.528	mg/kg		0.528	mg/kg	0.0000528 %		
			204-927-3	129-00-0									
30		benzo[a]anthracene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		601-033-00-9	200-280-6	56-55-3									
31		chrysene				0.265	mg/kg		0.265	mg/kg	0.0000265 %		
		601-048-00-0	205-923-4	218-01-9									
32		benzo[b]fluoranthene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
		601-034-00-4	205-911-9	205-99-2									
33		benzo[k]fluoranthene				0.138	mg/kg		0.138	mg/kg	0.0000138 %		
		601-036-00-5	205-916-6	207-08-9									
34		benzo[a]pyrene; benzo[def]chrysene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		601-032-00-3	200-028-5	50-32-8									
35		indeno[123-cd]pyrene				0.285	mg/kg		0.285	mg/kg	0.0000285 %		
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0466	mg/kg		0.0466	mg/kg	0.00000466 %		
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.232	mg/kg		0.232	mg/kg	0.0000232 %		
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	1.93 %		

Key

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

Classification of sample: WS72

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

Sample details

Sample name:	LoW Code:	
WS72	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
2		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
3	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
4		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: WS72[2]

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

Sample details

Sample name:
WS72[2]
Sample Depth:
0.8 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.81 mg/kg	1.32	2.39 mg/kg	0.000239 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0441 mg/kg	1.142	0.0504 mg/kg	0.00000504 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.97 mg/kg	1.462	4.341 mg/kg	0.000434 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.74 mg/kg	1.126	4.211 mg/kg	0.000421 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		3810 mg/kg	1.43	5447.328 mg/kg	0.545 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.84 mg/kg		1.84 mg/kg	0.000184 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.43 mg/kg	2.637	22.227 mg/kg	0.00222 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		5.39 mg/kg	1.785	9.622 mg/kg	0.000962 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		11.9 mg/kg	2.469	29.385 mg/kg	0.00294 %		
14	pH			PH		7.65 pH		7.65 pH	7.65 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23		acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
27		anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
28		fluoranthene		205-912-4	206-44-0		<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
31		chrysene	601-048-00-0	205-923-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
35		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
37		benzo[ghi]perylene		205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	0.557 %		

Key

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

Classification of sample: WS73

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

Sample details

Sample name:		LoW Code:	
WS73		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.1 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.38	mg/kg	1.32	8.424	mg/kg	0.000842 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.272	mg/kg	1.142	0.311	mg/kg	0.0000311 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.81	mg/kg	1.462	8.492	mg/kg	0.000849 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.9	mg/kg	1.126	15.65	mg/kg	0.00156 %		
7	iron { iron (III) oxide }		215-168-2	1309-37-1		9690	mg/kg	1.43	13854.227	mg/kg	1.385 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	38.8	mg/kg		38.8	mg/kg	0.00388 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		5.42	mg/kg	2.637	14.291	mg/kg	0.00143 %		
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.91	mg/kg	1.785	17.691	mg/kg	0.00177 %		
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		41.8	mg/kg	2.469	103.217	mg/kg	0.0103 %		
14	pH			PH		7.36	pH		7.36	pH	7.36 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		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
16		TPH (C6 to C40) petroleum group			TPH		<35 mg/kg		<35 mg/kg	<0.0035 %		<LOD
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.18 mg/kg		<0.18 mg/kg	<0.000018 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.14 mg/kg		<0.14 mg/kg	<0.000014 %		<LOD
19		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
21		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.0218 mg/kg		0.0218 mg/kg	0.00000218 %		
23		acenaphthylene		205-917-1	208-96-8		0.0471 mg/kg		0.0471 mg/kg	0.00000471 %		
24		acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
25		fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26		phenanthrene		201-581-5	85-01-8		0.109 mg/kg		0.109 mg/kg	0.0000109 %		
27		anthracene		204-371-1	120-12-7		0.0277 mg/kg		0.0277 mg/kg	0.00000277 %		
28		fluoranthene		205-912-4	206-44-0		0.271 mg/kg		0.271 mg/kg	0.0000271 %		
29		pyrene		204-927-3	129-00-0		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
30		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.163 mg/kg		0.163 mg/kg	0.0000163 %		
31		chrysene	601-048-00-0	205-923-4	218-01-9		0.181 mg/kg		0.181 mg/kg	0.0000181 %		
32		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.302 mg/kg		0.302 mg/kg	0.0000302 %		
33		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.146 mg/kg		0.146 mg/kg	0.0000146 %		
34		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.207 mg/kg		0.207 mg/kg	0.0000207 %		
35		indeno[123-cd]pyrene		205-893-2	193-39-5		0.181 mg/kg		0.181 mg/kg	0.0000181 %		
36		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.0356 mg/kg		0.0356 mg/kg	0.00000356 %		
37		benzo[ghi]perylene		205-883-8	191-24-2		0.185 mg/kg		0.185 mg/kg	0.0000185 %		
38		phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
									Total:	1.411 %		

Key

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

Classification of sample: S3BH01

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

Sample details

Sample name:
S3BH01
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.1 mg/kg	1.32	8.054 mg/kg	0.000805 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		91 mg/kg	1.7	154.656 mg/kg	0.0155 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.388 mg/kg	0.000139 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.28 mg/kg	1.142	0.32 mg/kg	0.000032 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		18000 mg/kg	1.43	25735.407 mg/kg	2.574 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	23 mg/kg		23 mg/kg	0.0023 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		490 mg/kg	2.749	1346.796 mg/kg	0.135 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.8 mg/kg	1.5	1.2 mg/kg	0.00012 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13 mg/kg	2.637	34.277 mg/kg	0.00343 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.46	mg/kg	1.405	0.646	mg/kg	0.0000646 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21	mg/kg	1.785	37.489	mg/kg	0.00375 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51	mg/kg	2.469	125.934	mg/kg	0.0126 %		
19		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
26		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
27		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		**<LOD**
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
											Total:	2.752 %		

Key

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

Classification of sample: S3BH01[2]

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

Sample details

Sample name:
S3BH01[2]
Sample Depth:
1.4 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.3 mg/kg	1.32	6.998 mg/kg	0.0007 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		66 mg/kg	1.7	112.168 mg/kg	0.0112 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.27 mg/kg	1.142	0.308 mg/kg	0.0000308 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.4 mg/kg	1.126	10.583 mg/kg	0.00106 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		16000 mg/kg	1.43	22875.917 mg/kg	2.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12 mg/kg		12 mg/kg	0.0012 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		220 mg/kg	2.749	604.684 mg/kg	0.0605 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.7 mg/kg	1.5	1.05 mg/kg	0.000105 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13 mg/kg	2.637	34.277 mg/kg	0.00343 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.31	mg/kg	1.405	0.436	mg/kg	0.0000436 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		17	mg/kg	1.785	30.348	mg/kg	0.00303 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		43	mg/kg	2.469	106.18	mg/kg	0.0106 %		
19		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
											Total:	2.383 %		

Key

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

Classification of sample: S3BH02

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

Sample details

Sample name:
S3BH02
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.9 mg/kg	1.32	3.829 mg/kg	0.000383 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		26 mg/kg	1.7	44.187 mg/kg	0.00442 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.49 mg/kg	3.22	1.578 mg/kg	0.000158 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.14 mg/kg	1.142	0.16 mg/kg	0.000016 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.7 mg/kg	1.462	9.792 mg/kg	0.000979 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.7 mg/kg	1.126	7.543 mg/kg	0.000754 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		6900 mg/kg	1.43	9865.239 mg/kg	0.987 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13 mg/kg		13 mg/kg	0.0013 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		150 mg/kg	2.749	412.285 mg/kg	0.0412 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.75 mg/kg	0.000075 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.9 mg/kg	2.637	18.193 mg/kg	0.00182 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.25 mg/kg	1.405	<0.351 mg/kg	<0.0000351 %		<LOD
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9.1 mg/kg	1.785	16.245 mg/kg	0.00162 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		24 mg/kg	2.469	59.263 mg/kg	0.00593 %		
19		TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		0.0011 mg/kg		0.0011 mg/kg	0.00000011 %		
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27		pyrene		204-927-3	129-00-0		0.39 mg/kg		0.39 mg/kg	0.000039 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
									Total:	1.047 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

toluene: (conc.: 1.1e-07%)

Classification of sample: S3BH02R

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

Sample details

Sample name:
S3BH02R
Sample Depth:
0.5 m
Moisture content:
8.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.5 mg/kg	1.197	1.796 mg/kg	0.00018 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.5 mg/kg	1.32	5.941 mg/kg	0.000594 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		45 mg/kg	1.7	76.478 mg/kg	0.00765 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.36 mg/kg	2.775	0.999 mg/kg	0.0000999 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.6 mg/kg	1.462	12.569 mg/kg	0.00126 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.4 mg/kg	1.126	8.332 mg/kg	0.000833 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		13000 mg/kg	1.43	18586.683 mg/kg	1.859 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	17 mg/kg		17 mg/kg	0.0017 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		530 mg/kg	2.749	1456.739 mg/kg	0.146 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.62 mg/kg	1.5	0.93 mg/kg	0.000093 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.5 mg/kg	2.637	25.049 mg/kg	0.0025 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14 mg/kg	1.785	24.993 mg/kg	0.0025 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		32 mg/kg	2.469	79.017 mg/kg	0.0079 %		
19	pH			PH		7.3 pH		7.3 pH	7.3 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	2.03 %		

Key

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

Classification of sample: S3BH05

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

Sample details

Sample name:
S3BH05
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.4 mg/kg	1.197	4.07 mg/kg	0.000407 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		59 mg/kg	1.32	77.899 mg/kg	0.00779 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		290 mg/kg	1.7	492.86 mg/kg	0.0493 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		5 mg/kg	2.775	13.877 mg/kg	0.00139 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.2 mg/kg	3.22	13.523 mg/kg	0.00135 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		79 mg/kg	1.126	88.945 mg/kg	0.00889 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		24000 mg/kg	1.43	34313.876 mg/kg	3.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	98 mg/kg		98 mg/kg	0.0098 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1700 mg/kg	2.749	4672.559 mg/kg	0.467 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.16 mg/kg	1.353	0.217 mg/kg	0.0000217 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.5 mg/kg	1.5	8.251 mg/kg	0.000825 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.9	mg/kg	1.405	2.669	mg/kg	0.000267 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		61	mg/kg	1.785	108.896	mg/kg	0.0109 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110	mg/kg	2.469	271.623	mg/kg	0.0272 %		
19		TPH (C6 to C40) petroleum group			TPH		19	mg/kg		19	mg/kg	0.0019 %		
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		1.5	mg/kg		1.5	mg/kg	0.00015 %		
27		pyrene		204-927-3	129-00-0		1.7	mg/kg		1.7	mg/kg	0.00017 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		1.3	mg/kg		1.3	mg/kg	0.00013 %		
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
											Total:	4.032 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0019%)

Classification of sample: S3BH05[2]

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

Sample details

Sample name:	LoW Code:	
S3BH05[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.4 mg/kg	1.197	4.07 mg/kg	0.000407 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		67 mg/kg	1.32	88.462 mg/kg	0.00885 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		330 mg/kg	1.7	560.841 mg/kg	0.0561 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		6.2 mg/kg	2.775	17.207 mg/kg	0.00172 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.8 mg/kg	3.22	12.236 mg/kg	0.00122 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.65 mg/kg	1.142	0.743 mg/kg	0.0000743 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		30000 mg/kg	1.43	42892.345 mg/kg	4.289 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	130 mg/kg		130 mg/kg	0.013 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1600 mg/kg	2.749	4397.702 mg/kg	0.44 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.21 mg/kg	1.353	0.284 mg/kg	0.0000284 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		6.2 mg/kg	1.5	9.301 mg/kg	0.00093 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40 mg/kg	2.637	105.467 mg/kg	0.0105 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.1	mg/kg	1.405	2.951	mg/kg	0.000295 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				78	mg/kg	1.785	139.244	mg/kg	0.0139 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				130	mg/kg	2.469	321.009	mg/kg	0.0321 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				41	mg/kg		41	mg/kg	0.0041 %		
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			201-695-5	86-73-7									
24		phenanthrene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
			201-581-5	85-01-8									
25		anthracene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			204-371-1	120-12-7									
26		fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-912-4	206-44-0									
27		pyrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			204-927-3	129-00-0									
28		chrysene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	4.892 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0041%)

Classification of sample: S3BH05[3]

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

Sample details

Sample name:
S3BH05[3]
Sample Depth:
1.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.3 mg/kg	1.197	5.148 mg/kg	0.000515 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		74 mg/kg	1.32	97.704 mg/kg	0.00977 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		380 mg/kg	1.7	645.817 mg/kg	0.0646 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		7.2 mg/kg	2.775	19.982 mg/kg	0.002 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.2 mg/kg	3.22	10.304 mg/kg	0.00103 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.34 mg/kg	1.142	0.388 mg/kg	0.0000388 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		28000 mg/kg	1.43	40032.855 mg/kg	4.003 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220 mg/kg		220 mg/kg	0.022 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1300 mg/kg	2.749	3573.133 mg/kg	0.357 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.23 mg/kg	1.353	0.311 mg/kg	0.0000311 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		11 mg/kg	1.5	16.502 mg/kg	0.00165 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40 mg/kg	2.637	105.467 mg/kg	0.0105 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.8	mg/kg	1.405	2.529	mg/kg	0.000253 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		87	mg/kg	1.785	155.311	mg/kg	0.0155 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		91	mg/kg	2.469	224.706	mg/kg	0.0225 %		
19		TPH (C6 to C40) petroleum group			TPH		26	mg/kg		26	mg/kg	0.0026 %		
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
23		fluorene		201-695-5	86-73-7		0.33	mg/kg		0.33	mg/kg	0.000033 %		
24		phenanthrene		201-581-5	85-01-8		0.61	mg/kg		0.61	mg/kg	0.000061 %		
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		1	mg/kg		1	mg/kg	0.0001 %		
27		pyrene		204-927-3	129-00-0		0.97	mg/kg		0.97	mg/kg	0.000097 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		1	mg/kg		1	mg/kg	0.0001 %		
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
											Total:	4.529 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: S3BH05[4]

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

Sample details

Sample name:
S3BH05[4]
Sample Depth:
1.65 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		9.4	mg/kg	1.197	11.253	mg/kg	0.00113 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		260	mg/kg	1.32	343.285	mg/kg	0.0343 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		120	mg/kg	1.7	203.942	mg/kg	0.0204 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1	mg/kg	2.775	3.053	mg/kg	0.000305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.7	mg/kg	3.22	11.914	mg/kg	0.00119 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.61	mg/kg	1.142	0.697	mg/kg	0.0000697 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.4	mg/kg	1.462	13.739	mg/kg	0.00137 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37	mg/kg	1.126	41.658	mg/kg	0.00417 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		9700	mg/kg	1.43	13868.525	mg/kg	1.387 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	430	mg/kg		430	mg/kg	0.043 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		500	mg/kg	2.749	1374.282	mg/kg	0.137 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		9.2	mg/kg	1.353	12.452	mg/kg	0.00125 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5	mg/kg	1.5	2.25	mg/kg	0.000225 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.4	mg/kg	2.637	24.785	mg/kg	0.00248 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.5	mg/kg	1.405	2.108	mg/kg	0.000211 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				17	mg/kg	1.785	30.348	mg/kg	0.00303 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				140	mg/kg	2.469	345.701	mg/kg	0.0346 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				19	mg/kg		19	mg/kg	0.0019 %		
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			201-695-5	86-73-7									
24		phenanthrene				18	mg/kg		18	mg/kg	0.0018 %		
			201-581-5	85-01-8									
25		anthracene				11	mg/kg		11	mg/kg	0.0011 %		
			204-371-1	120-12-7									
26		fluoranthene				80	mg/kg		80	mg/kg	0.008 %		
			205-912-4	206-44-0									
27		pyrene				88	mg/kg		88	mg/kg	0.0088 %		
			204-927-3	129-00-0									
28		chrysene				11	mg/kg		11	mg/kg	0.0011 %		
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	1.695 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0019%)

Classification of sample: S3BH05[5]

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

Sample details

Sample name:
S3BH05[5]
Sample Depth:
2.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		5.1 mg/kg	1.197	6.105 mg/kg	0.000611 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		380 mg/kg	1.32	501.724 mg/kg	0.0502 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		300 mg/kg	1.7	509.855 mg/kg	0.051 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		5 mg/kg	2.775	13.877 mg/kg	0.00139 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.9 mg/kg	3.22	12.558 mg/kg	0.00126 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120 mg/kg	1.126	135.107 mg/kg	0.0135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		72000 mg/kg	1.43	102941.628 mg/kg	10.294 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	41 mg/kg		41 mg/kg	0.0041 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1600 mg/kg	2.749	4397.702 mg/kg	0.44 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.38 mg/kg	1.353	0.514 mg/kg	0.0000514 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		13 mg/kg	1.5	19.502 mg/kg	0.00195 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		36 mg/kg	2.637	94.921 mg/kg	0.00949 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2.4	mg/kg	1.405	3.372	mg/kg	0.000337 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		110	mg/kg	1.785	196.37	mg/kg	0.0196 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130	mg/kg	2.469	321.009	mg/kg	0.0321 %		
19		TPH (C6 to C40) petroleum group			TPH		18	mg/kg		18	mg/kg	0.0018 %		
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
23		fluorene		201-695-5	86-73-7		0.51	mg/kg		0.51	mg/kg	0.000051 %		
24		phenanthrene		201-581-5	85-01-8		1.1	mg/kg		1.1	mg/kg	0.00011 %		
25		anthracene		204-371-1	120-12-7		0.41	mg/kg		0.41	mg/kg	0.000041 %		
26		fluoranthene		205-912-4	206-44-0		0.86	mg/kg		0.86	mg/kg	0.000086 %		
27		pyrene		204-927-3	129-00-0		1.1	mg/kg		1.1	mg/kg	0.00011 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		3.5	mg/kg		3.5	mg/kg	0.00035 %		
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
											Total:	10.926 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0018%)

Classification of sample: S3BH05[6]

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
S3BH05[6]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.9 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.74%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1A; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

arsenic trioxide: (compound conc.: 0.111%)

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.74%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.74%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		antimony { antimony trioxide }				5 mg/kg	1.197	5.986 mg/kg	0.000599 %		
		051-005-00-X	215-175-0	1309-64-4							
2		arsenic { arsenic trioxide }				840 mg/kg	1.32	1109.073 mg/kg	0.111 %		
		033-003-00-0	215-481-4	1327-53-3							

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
3	barium { barium sulfate }		231-784-4	7727-43-7		260 mg/kg	1.7	441.874 mg/kg	0.0442 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.1 mg/kg	3.22	6.762 mg/kg	0.000676 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.98 mg/kg	1.142	1.119 mg/kg	0.000112 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		25000 mg/kg	1.43	35743.621 mg/kg	3.574 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	160 mg/kg		160 mg/kg	0.016 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		210 mg/kg	2.749	577.198 mg/kg	0.0577 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.75 mg/kg	1.353	1.015 mg/kg	0.000102 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.9 mg/kg	1.5	8.851 mg/kg	0.000885 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30 mg/kg	2.637	79.101 mg/kg	0.00791 %		
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				3.7 mg/kg	1.405	5.199 mg/kg	0.00052 %		
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		42 mg/kg	1.785	74.978 mg/kg	0.0075 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		200 mg/kg	2.469	493.859 mg/kg	0.0494 %		
19	TPH (C6 to C40) petroleum group			TPH		7400 mg/kg		7400 mg/kg	0.74 %		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
23	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	phenanthrene		201-581-5	85-01-8		170 mg/kg		170 mg/kg	0.017 %		
25	anthracene		204-371-1	120-12-7		63 mg/kg		63 mg/kg	0.0063 %		
26	fluoranthene		205-912-4	206-44-0		13 mg/kg		13 mg/kg	0.0013 %		
27	pyrene		204-927-3	129-00-0		36 mg/kg		36 mg/kg	0.0036 %		
28	chrysene	601-048-00-0	205-923-4	218-01-9		17 mg/kg		17 mg/kg	0.0017 %		

#		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									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			203-209-7	104-51-8									
										Total:	4.658 %		

Key

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

Classification of sample: S3BH05[7]

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
S3BH05[7]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
3.2 m	Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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 hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		29 mg/kg	1.32	38.289 mg/kg	0.00383 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		260 mg/kg	1.7	441.874 mg/kg	0.0442 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.9 mg/kg	3.22	15.777 mg/kg	0.00158 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.7 mg/kg	1.142	1.942 mg/kg	0.000194 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22 mg/kg	1.462	32.154 mg/kg	0.00322 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		27000 mg/kg	1.43	38603.11 mg/kg	3.86 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	28 mg/kg		28 mg/kg	0.0028 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		130 mg/kg	2.749	357.313 mg/kg	0.0357 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.8 mg/kg	1.5	1.2 mg/kg	0.00012 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		27 mg/kg	2.637	71.19 mg/kg	0.00712 %		
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2 mg/kg	1.405	2.81 mg/kg	0.000281 %		
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		31 mg/kg	1.785	55.341 mg/kg	0.00553 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		200 mg/kg	2.469	493.859 mg/kg	0.0494 %		
19	TPH (C6 to C40) petroleum group			TPH		1100 mg/kg		1100 mg/kg	0.11 %		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
23	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	fluoranthene		205-912-4	206-44-0		6.1 mg/kg		6.1 mg/kg	0.00061 %		
27	pyrene		204-927-3	129-00-0		4.2 mg/kg		4.2 mg/kg	0.00042 %		
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.76 mg/kg		0.76 mg/kg	0.000076 %		
29	phenol	604-001-00-2	203-632-7	108-95-2		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
30	bromochloromethane		200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<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							
32		bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<**LOD**
			200-856-7	75-27-4							
33		dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
			204-704-0	124-48-1							
34		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7							
35		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5							
36		tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			202-632-4	98-06-6							
37		sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			205-227-0	135-98-8							
38		n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			203-209-7	104-51-8							
								Total:	4.128 %		

Key

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

Classification of sample: S3BH05[8]

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

Sample details

Sample name:	LoW Code:	
S3BH05[8]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
4.9 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.9 mg/kg	1.32	13.071 mg/kg	0.00131 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		40 mg/kg	1.7	67.981 mg/kg	0.0068 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<**LOD**
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.3 mg/kg	3.22	13.845 mg/kg	0.00138 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.18 mg/kg	1.142	0.206 mg/kg	0.0000206 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9 mg/kg	1.462	11.546 mg/kg	0.00115 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.8 mg/kg	1.126	7.656 mg/kg	0.000766 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		20000 mg/kg	1.43	28594.897 mg/kg	2.859 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.4 mg/kg		6.4 mg/kg	0.00064 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		130 mg/kg	2.749	357.313 mg/kg	0.0357 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.3 mg/kg	1.5	1.95 mg/kg	0.000195 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.8 mg/kg	2.637	23.203 mg/kg	0.00232 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.79	mg/kg	1.405	1.11	mg/kg	0.000111 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				13	mg/kg	1.785	23.207	mg/kg	0.00232 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				47	mg/kg	2.469	116.057	mg/kg	0.0116 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				30	mg/kg		30	mg/kg	0.003 %		
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				0.54	mg/kg		0.54	mg/kg	0.000054 %		
			205-912-4	206-44-0									
27		pyrene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			204-927-3	129-00-0									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	2.927 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.003%)

Classification of sample: S3BH05R

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

Sample details

Sample name:
S3BH05R
Sample Depth:
0.5 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		9.3 mg/kg	1.197	11.133 mg/kg	0.00111 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		370 mg/kg	1.32	488.52 mg/kg	0.0489 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		310 mg/kg	1.7	526.85 mg/kg	0.0527 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		6 mg/kg	2.775	16.652 mg/kg	0.00167 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.1 mg/kg	3.22	6.762 mg/kg	0.000676 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		93 mg/kg	1.126	104.708 mg/kg	0.0105 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		36000 mg/kg	1.43	51470.814 mg/kg	5.147 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1500 mg/kg	2.749	4122.846 mg/kg	0.412 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.8 mg/kg	1.353	1.083 mg/kg	0.000108 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.9 mg/kg	1.5	7.351 mg/kg	0.000735 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		45 mg/kg	2.637	118.651 mg/kg	0.0119 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		59 mg/kg	1.785	105.326 mg/kg	0.0105 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		230 mg/kg	2.469	567.938 mg/kg	0.0568 %		
19	pH			PH		7.5 pH		7.5 pH	7.5 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		3.8 mg/kg		3.8 mg/kg	0.00038 %		
25	phenanthrene		201-581-5	85-01-8		25 mg/kg		25 mg/kg	0.0025 %		
26	anthracene		204-371-1	120-12-7		11 mg/kg		11 mg/kg	0.0011 %		
27	fluoranthene		205-912-4	206-44-0		9.9 mg/kg		9.9 mg/kg	0.00099 %		
28	pyrene		204-927-3	129-00-0		10 mg/kg		10 mg/kg	0.001 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		4.3 mg/kg		4.3 mg/kg	0.00043 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		1.4 mg/kg		1.4 mg/kg	0.00014 %		
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.78 %		

Key

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

Classification of sample: S3BH05R[2]

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

Sample details

Sample name:
S3BH05R[2]
Sample Depth:
1 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		8.2 mg/kg	1.197	9.816 mg/kg	0.000982 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		290 mg/kg	1.32	382.894 mg/kg	0.0383 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		290 mg/kg	1.7	492.86 mg/kg	0.0493 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		5.6 mg/kg	2.775	15.542 mg/kg	0.00155 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.4 mg/kg	3.22	4.508 mg/kg	0.000451 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		81 mg/kg	1.126	91.197 mg/kg	0.00912 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		41000 mg/kg	1.43	58619.538 mg/kg	5.862 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	100 mg/kg		100 mg/kg	0.01 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1600 mg/kg	2.749	4397.702 mg/kg	0.44 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4 mg/kg	1.353	0.541 mg/kg	0.0000541 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.7 mg/kg	1.5	7.051 mg/kg	0.000705 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		62 mg/kg	2.637	163.474 mg/kg	0.0163 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		66 mg/kg	1.785	117.822 mg/kg	0.0118 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		190 mg/kg	2.469	469.166 mg/kg	0.0469 %		
19	pH			PH		7.5 pH		7.5 pH	7.5 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		10 mg/kg		10 mg/kg	0.001 %		
25	phenanthrene		201-581-5	85-01-8		46 mg/kg		46 mg/kg	0.0046 %		
26	anthracene		204-371-1	120-12-7		20 mg/kg		20 mg/kg	0.002 %		
27	fluoranthene		205-912-4	206-44-0		18 mg/kg		18 mg/kg	0.0018 %		
28	pyrene		204-927-3	129-00-0		18 mg/kg		18 mg/kg	0.0018 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		8.5 mg/kg		8.5 mg/kg	0.00085 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		0.56 mg/kg		0.56 mg/kg	0.000056 %		
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	6.504 %		

Key

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

Classification of sample: S3BH05R[3]

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

Sample details

Sample name:
S3BH05R[3]
Sample Depth:
1.5 m
Moisture content:
17%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		7.5 mg/kg	1.197	8.978 mg/kg	0.000898 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		300 mg/kg	1.32	396.098 mg/kg	0.0396 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		250 mg/kg	1.7	424.879 mg/kg	0.0425 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		4.8 mg/kg	2.775	13.322 mg/kg	0.00133 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		83 mg/kg	1.126	93.449 mg/kg	0.00934 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		37000 mg/kg	1.43	52900.559 mg/kg	5.29 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	130 mg/kg		130 mg/kg	0.013 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1400 mg/kg	2.749	3847.989 mg/kg	0.385 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.8 mg/kg	1.353	1.083 mg/kg	0.000108 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		6.3 mg/kg	1.5	9.451 mg/kg	0.000945 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		38 mg/kg	2.637	100.194 mg/kg	0.01 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				54	mg/kg	1.785	96.4	mg/kg	0.00964 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				170	mg/kg	2.469	419.78	mg/kg	0.042 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		xylene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
24		fluorene				7.5	mg/kg		7.5	mg/kg	0.00075 %		
			201-695-5	86-73-7									
25		phenanthrene				46	mg/kg		46	mg/kg	0.0046 %		
			201-581-5	85-01-8									
26		anthracene				19	mg/kg		19	mg/kg	0.0019 %		
			204-371-1	120-12-7									
27		fluoranthene				20	mg/kg		20	mg/kg	0.002 %		
			205-912-4	206-44-0									
28		pyrene				19	mg/kg		19	mg/kg	0.0019 %		
			204-927-3	129-00-0									
29		chrysene				9.4	mg/kg		9.4	mg/kg	0.00094 %		
		601-048-00-0	205-923-4	218-01-9									
30		phenol				0.52	mg/kg		0.52	mg/kg	0.000052 %		
		604-001-00-2	203-632-7	108-95-2									
31		dibromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			200-856-7	75-27-4									
33		dibromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			204-704-0	124-48-1									
34		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			205-227-0	135-98-8									
38		n-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			203-209-7	104-51-8									
										Total:	5.861 %		

Key

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

Classification of sample: S3BH05R[4]

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

Sample details

Sample name:
S3BH05R[4]
Sample Depth:
1.65 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		12 mg/kg	1.197	14.365 mg/kg	0.00144 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		170 mg/kg	1.32	224.455 mg/kg	0.0224 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.74 mg/kg	2.775	2.054 mg/kg	0.000205 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		**<LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.4 mg/kg	1.462	7.892 mg/kg	0.000789 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		19000 mg/kg	1.43	27165.152 mg/kg	2.717 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	52 mg/kg		52 mg/kg	0.0052 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		200 mg/kg	2.749	549.713 mg/kg	0.055 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.4 mg/kg	1.353	0.541 mg/kg	0.0000541 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		6.6 mg/kg	2.637	17.402 mg/kg	0.00174 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14 mg/kg	1.785	24.993 mg/kg	0.0025 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39 mg/kg	2.469	96.303 mg/kg	0.00963 %		
19	pH			PH		7.4 pH		7.4 pH	7.4 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		0.24 mg/kg		0.24 mg/kg	0.000024 %		
25	phenanthrene		201-581-5	85-01-8		1.8 mg/kg		1.8 mg/kg	0.00018 %		
26	anthracene		204-371-1	120-12-7		0.84 mg/kg		0.84 mg/kg	0.000084 %		
27	fluoranthene		205-912-4	206-44-0		3.2 mg/kg		3.2 mg/kg	0.00032 %		
28	pyrene		204-927-3	129-00-0		3.1 mg/kg		3.1 mg/kg	0.00031 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		2 mg/kg		2 mg/kg	0.0002 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	2.839 %		

Key

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

Classification of sample: S3BH05R[5]

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

Sample details

Sample name:
S3BH05R[5]
Sample Depth:
2.5 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		12 mg/kg	1.197	14.365 mg/kg	0.00144 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		510 mg/kg	1.32	673.366 mg/kg	0.0673 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		240 mg/kg	1.7	407.884 mg/kg	0.0408 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		5.4 mg/kg	2.775	14.987 mg/kg	0.0015 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120 mg/kg	1.126	135.107 mg/kg	0.0135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		68000 mg/kg	1.43	97222.648 mg/kg	9.722 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250 mg/kg		250 mg/kg	0.025 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1700 mg/kg	2.749	4672.559 mg/kg	0.467 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		3.7 mg/kg	1.353	5.008 mg/kg	0.000501 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		6.2 mg/kg	1.5	9.301 mg/kg	0.00093 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		42 mg/kg	2.637	110.741 mg/kg	0.0111 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		73 mg/kg	1.785	130.319 mg/kg	0.013 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		460 mg/kg	2.469	1135.876 mg/kg	0.114 %		
19	pH			PH		7.5 pH		7.5 pH	7.5 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		1.8 mg/kg		1.8 mg/kg	0.00018 %		
25	phenanthrene		201-581-5	85-01-8		14 mg/kg		14 mg/kg	0.0014 %		
26	anthracene		204-371-1	120-12-7		5.3 mg/kg		5.3 mg/kg	0.00053 %		
27	fluoranthene		205-912-4	206-44-0		26 mg/kg		26 mg/kg	0.0026 %		
28	pyrene		204-927-3	129-00-0		24 mg/kg		24 mg/kg	0.0024 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		14 mg/kg		14 mg/kg	0.0014 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	10.49 %		

Key

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

Classification of sample: S3BH05R[6]

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

Sample details

Sample name:
S3BH05R[6]
Sample Depth:
3.2 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21 mg/kg	1.32	27.727 mg/kg	0.00277 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		280 mg/kg	1.7	475.865 mg/kg	0.0476 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		23000 mg/kg	1.43	32884.131 mg/kg	3.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24 mg/kg		24 mg/kg	0.0024 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		110 mg/kg	2.749	302.342 mg/kg	0.0302 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.86 mg/kg	1.5	1.29 mg/kg	0.000129 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28 mg/kg	2.637	73.827 mg/kg	0.00738 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		30 mg/kg	1.785	53.556 mg/kg	0.00536 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		180 mg/kg	2.469	444.473 mg/kg	0.0444 %		
19	pH			PH		6 pH		6 pH	6pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.435 %		

Key

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

Classification of sample: S3BH06

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

Sample details

Sample name:
S3BH06
Sample Depth:
0.2 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.7 mg/kg	1.197	5.626 mg/kg	0.000563 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		97 mg/kg	1.32	128.072 mg/kg	0.0128 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		370 mg/kg	1.7	628.821 mg/kg	0.0629 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		11 mg/kg	2.775	30.529 mg/kg	0.00305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.5 mg/kg	3.22	4.83 mg/kg	0.000483 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.44 mg/kg	1.142	0.503 mg/kg	0.0000503 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120 mg/kg	1.126	135.107 mg/kg	0.0135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		37000 mg/kg	1.43	52900.559 mg/kg	5.29 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		2200 mg/kg	2.749	6046.84 mg/kg	0.605 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.6 mg/kg	1.353	2.166 mg/kg	0.000217 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		8.7 mg/kg	1.5	13.052 mg/kg	0.00131 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		71 mg/kg	2.637	187.205 mg/kg	0.0187 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2.7	mg/kg	1.405	3.794	mg/kg	0.000379 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		76	mg/kg	1.785	135.674	mg/kg	0.0136 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110	mg/kg	2.469	271.623	mg/kg	0.0272 %		
19		TPH (C6 to C40) petroleum group			TPH		780	mg/kg		780	mg/kg	0.078 %		
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		1.1	mg/kg		1.1	mg/kg	0.00011 %		
25		anthracene		204-371-1	120-12-7		0.84	mg/kg		0.84	mg/kg	0.000084 %		
26		fluoranthene		205-912-4	206-44-0		6.1	mg/kg		6.1	mg/kg	0.00061 %		
27		pyrene		204-927-3	129-00-0		5.5	mg/kg		5.5	mg/kg	0.00055 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		4.1	mg/kg		4.1	mg/kg	0.00041 %		
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
											Total:	6.146 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.078%)

Classification of sample: S3BH06[2]

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

Sample details

Sample name:		LoW Code:	
S3BH06[2]		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
1.2 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.1	mg/kg	1.197	2.514	mg/kg	0.000251 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		42	mg/kg	1.32	55.454	mg/kg	0.00555 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		190	mg/kg	1.7	322.908	mg/kg	0.0323 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		3.9	mg/kg	2.775	10.824	mg/kg	0.00108 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.9	mg/kg	3.22	6.118	mg/kg	0.000612 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.23	mg/kg	1.142	0.263	mg/kg	0.0000263 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.4	mg/kg	1.462	12.277	mg/kg	0.00123 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		42	mg/kg	1.126	47.287	mg/kg	0.00473 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		16000	mg/kg	1.43	22875.917	mg/kg	2.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	70	mg/kg		70	mg/kg	0.007 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		770	mg/kg	2.749	2116.394	mg/kg	0.212 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1	mg/kg	1.353	1.489	mg/kg	0.000149 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3	mg/kg	1.5	4.501	mg/kg	0.00045 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		27	mg/kg	2.637	71.19	mg/kg	0.00712 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.1	mg/kg	1.405	1.546	mg/kg	0.000155 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				30	mg/kg	1.785	53.556	mg/kg	0.00536 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				51	mg/kg	2.469	125.934	mg/kg	0.0126 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				340	mg/kg		340	mg/kg	0.034 %		
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			201-581-5	85-01-8									
25		anthracene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			204-371-1	120-12-7									
26		fluoranthene				16	mg/kg		16	mg/kg	0.0016 %		
			205-912-4	206-44-0									
27		pyrene				17	mg/kg		17	mg/kg	0.0017 %		
			204-927-3	129-00-0									
28		chrysene				11	mg/kg		11	mg/kg	0.0011 %		
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	2.617 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.034%)

Classification of sample: S3BH06R

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

Sample details

Sample name:
S3BH06R
Sample Depth:
0.2 m
Moisture content:
14%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		13 mg/kg	1.197	15.562 mg/kg	0.00156 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		49 mg/kg	1.32	64.696 mg/kg	0.00647 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		300 mg/kg	1.7	509.855 mg/kg	0.051 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		5.8 mg/kg	2.775	16.097 mg/kg	0.00161 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		96 mg/kg	1.126	108.085 mg/kg	0.0108 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		36000 mg/kg	1.43	51470.814 mg/kg	5.147 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1500 mg/kg	2.749	4122.846 mg/kg	0.412 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.8 mg/kg	1.5	7.201 mg/kg	0.00072 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40 mg/kg	2.637	105.467 mg/kg	0.0105 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		57 mg/kg	1.785	101.756 mg/kg	0.0102 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130 mg/kg	2.469	321.009 mg/kg	0.0321 %		
19	pH			PH		8.2 pH		8.2 pH	8.2 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		0.93 mg/kg		0.93 mg/kg	0.000093 %		
25	phenanthrene		201-581-5	85-01-8		11 mg/kg		11 mg/kg	0.0011 %		
26	anthracene		204-371-1	120-12-7		6 mg/kg		6 mg/kg	0.0006 %		
27	fluoranthene		205-912-4	206-44-0		24 mg/kg		24 mg/kg	0.0024 %		
28	pyrene		204-927-3	129-00-0		22 mg/kg		22 mg/kg	0.0022 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		9.7 mg/kg		9.7 mg/kg	0.00097 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.711 %		

Key

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

Classification of sample: S3BH06R[2]

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

Sample details

Sample name:
S3BH06R[2]
Sample Depth:
1.2 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		9.9 mg/kg	1.197	11.851 mg/kg	0.00119 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		38 mg/kg	1.32	50.172 mg/kg	0.00502 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		200 mg/kg	1.7	339.903 mg/kg	0.034 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		4.3 mg/kg	2.775	11.934 mg/kg	0.00119 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		73 mg/kg	1.126	82.19 mg/kg	0.00822 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		27000 mg/kg	1.43	38603.11 mg/kg	3.86 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	77 mg/kg		77 mg/kg	0.0077 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1200 mg/kg	2.749	3298.277 mg/kg	0.33 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5 mg/kg	1.5	5.251 mg/kg	0.000525 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		31 mg/kg	2.637	81.737 mg/kg	0.00817 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49 mg/kg	1.785	87.474 mg/kg	0.00875 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		84 mg/kg	2.469	207.421 mg/kg	0.0207 %		
19	pH			PH		7.7 pH		7.7 pH	7.7 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		0.33 mg/kg		0.33 mg/kg	0.000033 %		
25	phenanthrene		201-581-5	85-01-8		4.9 mg/kg		4.9 mg/kg	0.00049 %		
26	anthracene		204-371-1	120-12-7		1.6 mg/kg		1.6 mg/kg	0.00016 %		
27	fluoranthene		205-912-4	206-44-0		10 mg/kg		10 mg/kg	0.001 %		
28	pyrene		204-927-3	129-00-0		9 mg/kg		9 mg/kg	0.0009 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		3.3 mg/kg		3.3 mg/kg	0.00033 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	4.293 %		

Key

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

Classification of sample: S3BH06R[3]

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

Sample details

Sample name:
S3BH06R[3]
Sample Depth:
3 m
Moisture content:
18%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.8 mg/kg	1.197	2.155 mg/kg	0.000215 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		240 mg/kg	1.7	407.884 mg/kg	0.0408 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.89 mg/kg	2.775	2.47 mg/kg	0.000247 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1 mg/kg	3.22	3.22 mg/kg	0.000322 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.5 mg/kg	1.142	1.713 mg/kg	0.000171 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	14.637 mg/kg	0.00146 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		23000 mg/kg	1.43	32884.131 mg/kg	3.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		22 mg/kg	0.0022 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		120 mg/kg	2.749	329.828 mg/kg	0.033 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		27 mg/kg	2.637	71.19 mg/kg	0.00712 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		29 mg/kg	1.785	51.77 mg/kg	0.00518 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		180 mg/kg	2.469	444.473 mg/kg	0.0444 %		
19	pH			PH		6.6 pH		6.6 pH	6.6 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		0.05 mg/kg		0.05 mg/kg	0.000005 %		
25	phenanthrene		201-581-5	85-01-8		0.19 mg/kg		0.19 mg/kg	0.000019 %		
26	anthracene		204-371-1	120-12-7		0.07 mg/kg		0.07 mg/kg	0.000007 %		
27	fluoranthene		205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
28	pyrene		204-927-3	129-00-0		0.16 mg/kg		0.16 mg/kg	0.000016 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.429 %		

Key

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

Classification of sample: S3BH07R

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

Sample details

Sample name:
S3BH07R
Sample Depth:
0.8 m
Moisture content:
22%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.3 mg/kg	1.197	2.753 mg/kg	0.000275 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.4 mg/kg	1.32	8.45 mg/kg	0.000845 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		220 mg/kg	1.7	373.894 mg/kg	0.0374 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.22 mg/kg	0.000222 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.3 mg/kg	1.142	1.485 mg/kg	0.000149 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		24000 mg/kg	1.43	34313.876 mg/kg	3.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		22 mg/kg	0.0022 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		160 mg/kg	2.749	439.77 mg/kg	0.044 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.78 mg/kg	1.5	1.17 mg/kg	0.000117 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		24 mg/kg	2.637	63.28 mg/kg	0.00633 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		25 mg/kg	1.785	44.63 mg/kg	0.00446 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		150 mg/kg	2.469	370.394 mg/kg	0.037 %		
19	pH			PH		7.6 pH		7.6 pH	7.6 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.569 %		

Key

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

Classification of sample: S3BH07R[2]

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

Sample details

Sample name:
S3BH07R[2]
Sample Depth:
1.2 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.7 mg/kg	1.32	10.167 mg/kg	0.00102 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		290 mg/kg	1.7	492.86 mg/kg	0.0493 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.5 mg/kg	1.142	1.713 mg/kg	0.000171 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		29000 mg/kg	1.43	41462.6 mg/kg	4.146 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	23 mg/kg		23 mg/kg	0.0023 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		190 mg/kg	2.749	522.227 mg/kg	0.0522 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.78 mg/kg	1.5	1.17 mg/kg	0.000117 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26 mg/kg	2.637	68.554 mg/kg	0.00686 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		28 mg/kg	1.785	49.985 mg/kg	0.005 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		160 mg/kg	2.469	395.087 mg/kg	0.0395 %		
19	pH			PH		7.6 pH		7.6 pH	7.6 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.05 mg/kg		0.05 mg/kg	0.000005 %		
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		0.07 mg/kg		0.07 mg/kg	0.000007 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	4.308 %		

Key

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

Classification of sample: S3BH07R[3]

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

Sample details

Sample name:
S3BH07R[3]
Sample Depth:
2 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.3 mg/kg	1.32	10.959 mg/kg	0.0011 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		220 mg/kg	1.7	373.894 mg/kg	0.0374 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.68 mg/kg	2.775	1.887 mg/kg	0.000189 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.3 mg/kg	1.142	1.485 mg/kg	0.000149 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.6 mg/kg	1.126	9.683 mg/kg	0.000968 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		24000 mg/kg	1.43	34313.876 mg/kg	3.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		190 mg/kg	2.749	522.227 mg/kg	0.0522 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.74 mg/kg	1.5	1.11 mg/kg	0.000111 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20 mg/kg	2.637	52.734 mg/kg	0.00527 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		22 mg/kg	1.785	39.274 mg/kg	0.00393 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120 mg/kg	2.469	296.316 mg/kg	0.0296 %		
19	pH			PH		7.5 pH		7.5 pH	7.5 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.567 %		

Key

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

Classification of sample: S3BH07R[4]

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

Sample details

Sample name:
S3BH07R[4]
Sample Depth:
3.3 m
Moisture content:
6.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.8 mg/kg	1.32	8.978 mg/kg	0.000898 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		120 mg/kg	1.7	203.942 mg/kg	0.0204 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.29 mg/kg	2.775	0.805 mg/kg	0.0000805 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.6 mg/kg	1.462	11.108 mg/kg	0.00111 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.7 mg/kg	1.126	6.418 mg/kg	0.000642 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		15000 mg/kg	1.43	21446.172 mg/kg	2.145 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		220 mg/kg	2.749	604.684 mg/kg	0.0605 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.52 mg/kg	1.5	0.78 mg/kg	0.000078 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.7 mg/kg	2.637	25.576 mg/kg	0.00256 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11 mg/kg	1.785	19.637 mg/kg	0.00196 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		100 mg/kg	2.469	246.93 mg/kg	0.0247 %		
19	pH			PH		8.1 pH		8.1 pH	8.1 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.05 mg/kg		0.05 mg/kg	0.000005 %		
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.09 mg/kg		0.09 mg/kg	0.000009 %		
28	pyrene		204-927-3	129-00-0		0.13 mg/kg		0.13 mg/kg	0.000013 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	2.26 %		

Key

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

Classification of sample: S3BH08B

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

Sample details

Sample name:
S3BH08B
Sample Depth:
0.2 m
Moisture content:
21%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.2 mg/kg	1.197	5.028 mg/kg	0.000503 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		240 mg/kg	1.7	407.884 mg/kg	0.0408 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2 mg/kg	3.22	6.44 mg/kg	0.000644 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1 mg/kg	1.142	1.142 mg/kg	0.000114 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		130 mg/kg	1.462	190.002 mg/kg	0.019 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		42 mg/kg	1.126	47.287 mg/kg	0.00473 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		38000 mg/kg	1.43	54330.304 mg/kg	5.433 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	96 mg/kg		96 mg/kg	0.0096 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		820 mg/kg	2.749	2253.822 mg/kg	0.225 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.8 mg/kg	1.5	2.7 mg/kg	0.00027 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		23 mg/kg	2.637	60.644 mg/kg	0.00606 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35 mg/kg	1.785	62.481 mg/kg	0.00625 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140 mg/kg	2.469	345.701 mg/kg	0.0346 %		
19	pH			PH		6.3 pH		6.3 pH	6.3 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.16 mg/kg		0.16 mg/kg	0.000016 %		
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.31 mg/kg		0.31 mg/kg	0.000031 %		
28	pyrene		204-927-3	129-00-0		0.33 mg/kg		0.33 mg/kg	0.000033 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		0.22 mg/kg		0.22 mg/kg	0.000022 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.784 %		

Key

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

Classification of sample: S3BH08B[2]

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

Sample details

Sample name:
S3BH08B[2]
Sample Depth:
1.4 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.9 mg/kg	1.32	11.751 mg/kg	0.00118 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		210 mg/kg	1.7	356.899 mg/kg	0.0357 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.94 mg/kg	2.775	2.609 mg/kg	0.000261 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.3 mg/kg	3.22	4.186 mg/kg	0.000419 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1 mg/kg	1.142	1.142 mg/kg	0.000114 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		32000 mg/kg	1.43	45751.835 mg/kg	4.575 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	64 mg/kg		64 mg/kg	0.0064 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1100 mg/kg	2.749	3023.42 mg/kg	0.302 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.84 mg/kg	1.5	1.26 mg/kg	0.000126 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28 mg/kg	2.637	73.827 mg/kg	0.00738 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		70 mg/kg	1.785	124.963 mg/kg	0.0125 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110 mg/kg	2.469	271.623 mg/kg	0.0272 %		
19	pH			PH		7.2 pH		7.2 pH	7.2 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	4.975 %		

Key

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

Classification of sample: S3BH09R

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

Sample details

Sample name:
S3BH09R
Sample Depth:
1 m
Moisture content:
16%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		310 mg/kg	1.7	526.85 mg/kg	0.0527 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1 mg/kg	3.22	3.22 mg/kg	0.000322 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.7 mg/kg	1.142	1.942 mg/kg	0.000194 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		33000 mg/kg	1.43	47181.579 mg/kg	4.718 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1300 mg/kg	2.749	3573.133 mg/kg	0.357 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2 mg/kg	1.5	1.8 mg/kg	0.00018 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30 mg/kg	2.637	79.101 mg/kg	0.00791 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35 mg/kg	1.785	62.481 mg/kg	0.00625 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		170 mg/kg	2.469	419.78 mg/kg	0.042 %		
19	pH			PH		7 pH		7 pH	7pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.05 mg/kg		0.05 mg/kg	0.000005 %		
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.09 mg/kg		0.09 mg/kg	0.000009 %		
28	pyrene		204-927-3	129-00-0		0.08 mg/kg		0.08 mg/kg	0.000008 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.209 %		

Key

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

Classification of sample: S3BH11

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

Sample details

Sample name:
S3BH11
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21 mg/kg	1.32	27.727 mg/kg	0.00277 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		13 mg/kg	1.7	22.094 mg/kg	0.00221 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		20000 mg/kg	1.43	28594.897 mg/kg	2.859 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		22 mg/kg	0.0022 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		400 mg/kg	2.749	1099.426 mg/kg	0.11 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19 mg/kg	2.637	50.097 mg/kg	0.00501 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.46	mg/kg	1.405	0.646	mg/kg	0.0000646 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				15	mg/kg	1.785	26.778	mg/kg	0.00268 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				57	mg/kg	2.469	140.75	mg/kg	0.0141 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
31		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
32		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
33		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
34		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
35		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
36		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
37		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	3.005 %		

Key

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

Classification of sample: S3BH11[2]

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

Sample details

Sample name:
S3BH11[2]
Sample Depth:
2.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.8 mg/kg	1.32	3.697 mg/kg	0.00037 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		26 mg/kg	1.7	44.187 mg/kg	0.00442 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.11 mg/kg	1.142	0.126 mg/kg	0.0000126 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.5 mg/kg	1.462	6.577 mg/kg	0.000658 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.8 mg/kg	1.126	4.278 mg/kg	0.000428 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		4800 mg/kg	1.43	6862.775 mg/kg	0.686 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3.4 mg/kg		3.4 mg/kg	0.00034 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		57 mg/kg	2.749	156.668 mg/kg	0.0157 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		4.6 mg/kg	2.637	12.129 mg/kg	0.00121 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.25 mg/kg	1.405	<0.351 mg/kg	<0.0000351 %		<LOD
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		5.9 mg/kg	1.785	10.533 mg/kg	0.00105 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		15 mg/kg	2.469	37.039 mg/kg	0.0037 %		
19		TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27		pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
									Total:	0.716 %		

Key

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

Classification of sample: S3BH14R

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

Sample details

Sample name:
S3BH14R
Sample Depth:
0.2 m
Moisture content:
16%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.1 mg/kg	1.197	2.514 mg/kg	0.000251 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.4 mg/kg	1.32	9.77 mg/kg	0.000977 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.81 mg/kg	2.775	2.248 mg/kg	0.000225 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.3 mg/kg	3.22	4.186 mg/kg	0.000419 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		23000 mg/kg	1.43	32884.131 mg/kg	3.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	40 mg/kg		40 mg/kg	0.004 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		920 mg/kg	2.749	2528.679 mg/kg	0.253 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.91 mg/kg	1.5	1.365 mg/kg	0.000137 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21 mg/kg	2.637	55.37 mg/kg	0.00554 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24 mg/kg	1.785	42.844 mg/kg	0.00428 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		87 mg/kg	2.469	214.829 mg/kg	0.0215 %		
19	pH			PH		7.1 pH		7.1 pH	7.1 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.06 mg/kg		0.06 mg/kg	0.000006 %		
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.16 mg/kg		0.16 mg/kg	0.000016 %		
28	pyrene		204-927-3	129-00-0		0.14 mg/kg		0.14 mg/kg	0.000014 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		0.09 mg/kg		0.09 mg/kg	0.000009 %		
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.603 %		

Key

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

Classification of sample: S3BH14R[2]

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

Sample details

Sample name:
S3BH14R[2]
Sample Depth:
0.5 m
Moisture content:
8.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.7 mg/kg	1.197	3.232 mg/kg	0.000323 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.4 mg/kg	1.32	11.091 mg/kg	0.00111 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		99 mg/kg	1.7	168.252 mg/kg	0.0168 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.57 mg/kg	2.775	1.582 mg/kg	0.000158 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10 mg/kg	1.126	11.259 mg/kg	0.00113 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		24000 mg/kg	1.43	34313.876 mg/kg	3.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	47 mg/kg		47 mg/kg	0.0047 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		860 mg/kg	2.749	2363.765 mg/kg	0.236 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.96 mg/kg	1.5	1.44 mg/kg	0.000144 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14 mg/kg	2.637	36.914 mg/kg	0.00369 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		19 mg/kg	1.785	33.919 mg/kg	0.00339 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62 mg/kg	2.469	153.096 mg/kg	0.0153 %		
19	pH			PH		7.5 pH		7.5 pH	7.5 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.717 %		

Key

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

Classification of sample: S3BH14R[3]

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

Sample details

Sample name:
S3BH14R[3]
Sample Depth:
1 m
Moisture content:
5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		53 mg/kg	1.7	90.074 mg/kg	0.00901 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.41 mg/kg	2.775	1.138 mg/kg	0.000114 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.1 mg/kg	1.462	13.3 mg/kg	0.00133 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.1 mg/kg	1.126	7.994 mg/kg	0.000799 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		21000 mg/kg	1.43	30024.641 mg/kg	3.002 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	23 mg/kg		23 mg/kg	0.0023 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		410 mg/kg	2.749	1126.911 mg/kg	0.113 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.72 mg/kg	1.5	1.08 mg/kg	0.000108 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13 mg/kg	2.637	34.277 mg/kg	0.00343 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				16	mg/kg	1.785	28.563	mg/kg	0.00286 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				39	mg/kg	2.469	96.303	mg/kg	0.00963 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		xylene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
24		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
31		dibromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
										Total:	3.146 %		

Key

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

Classification of sample: S3BH15

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

Sample details

Sample name:
S3BH15
Sample Depth:
0.5 m
Moisture content:
3.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.33 mg/kg	2.775	0.916 mg/kg	0.0000916 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8 mg/kg	1.462	11.692 mg/kg	0.00117 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		24000 mg/kg	1.43	34313.876 mg/kg	3.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		900 mg/kg	2.749	2473.707 mg/kg	0.247 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1 mg/kg	1.5	1.5 mg/kg	0.00015 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		11 mg/kg	2.637	29.004 mg/kg	0.0029 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15 mg/kg	1.785	26.778 mg/kg	0.00268 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35 mg/kg	2.469	86.425 mg/kg	0.00864 %		
19	pH			PH		8.3 pH		8.3 pH	8.3 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.718 %		

Key

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

Classification of sample: S3BH15[2]

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

Sample details

Sample name:
S3BH15[2]
Sample Depth:
6.9 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		6.3 mg/kg	1.197	7.542 mg/kg	0.000754 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		150 mg/kg	1.32	198.049 mg/kg	0.0198 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		340 mg/kg	1.7	577.836 mg/kg	0.0578 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		3.7 mg/kg	2.775	10.269 mg/kg	0.00103 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		13 mg/kg	3.22	41.858 mg/kg	0.00419 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.37 mg/kg	1.142	0.423 mg/kg	0.0000423 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		71 mg/kg	1.462	103.77 mg/kg	0.0104 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		98 mg/kg	1.126	110.337 mg/kg	0.011 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		23000 mg/kg	1.43	32884.131 mg/kg	3.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	59 mg/kg		59 mg/kg	0.0059 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		340 mg/kg	2.749	934.512 mg/kg	0.0935 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.23 mg/kg	1.353	0.311 mg/kg	0.0000311 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		9.6 mg/kg	1.5	14.402 mg/kg	0.00144 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		62 mg/kg	2.637	163.474 mg/kg	0.0163 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				4.7	mg/kg	1.405	6.604	mg/kg	0.00066 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		140	mg/kg	1.785	249.926	mg/kg	0.025 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69	mg/kg	2.469	170.381	mg/kg	0.017 %		
19		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
											Total:	3.554 %		

Key

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

Classification of sample: S3TP06

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

Sample details

Sample name:
S3TP06
Sample Depth:
0.2 m
Moisture content:
21%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		340 mg/kg	1.7	577.836 mg/kg	0.0578 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.6 mg/kg	2.775	4.441 mg/kg	0.000444 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35 mg/kg	1.462	51.154 mg/kg	0.00512 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		42000 mg/kg	1.43	60049.283 mg/kg	6.005 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	170 mg/kg		170 mg/kg	0.017 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1100 mg/kg	2.749	3023.42 mg/kg	0.302 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.55 mg/kg	0.000255 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				47	mg/kg	1.785	83.904	mg/kg	0.00839 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				200	mg/kg	2.469	493.859	mg/kg	0.0494 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			205-912-4	206-44-0									
27		pyrene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	6.462 %		

Key

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

Classification of sample: S3TP07

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

Sample details

Sample name:
S3TP07
Sample Depth:
1 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		350 mg/kg	1.7	594.831 mg/kg	0.0595 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.885 mg/kg	0.000389 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.4 mg/kg	1.142	1.599 mg/kg	0.00016 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	27.021 mg/kg	0.0027 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		47000 mg/kg	1.43	67198.007 mg/kg	6.72 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	120 mg/kg		120 mg/kg	0.012 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1400 mg/kg	2.749	3847.989 mg/kg	0.385 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5 mg/kg	1.5	2.25 mg/kg	0.000225 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				49	mg/kg	1.785	87.474	mg/kg	0.00875 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				220	mg/kg	2.469	543.245	mg/kg	0.0543 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	7.259 %		

Key

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

Classification of sample: S3TP08

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

Sample details

Sample name:
S3TP08
Sample Depth:
0.5 m
Moisture content:
17%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		230 mg/kg	1.7	390.889 mg/kg	0.0391 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	21.392 mg/kg	0.00214 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		38000 mg/kg	1.43	54330.304 mg/kg	5.433 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	58 mg/kg		58 mg/kg	0.0058 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		830 mg/kg	2.749	2281.308 mg/kg	0.228 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.3 mg/kg	1.5	1.95 mg/kg	0.000195 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		26 mg/kg	2.637	68.554 mg/kg	0.00686 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				38	mg/kg	1.785	67.837	mg/kg	0.00678 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				180	mg/kg	2.469	444.473	mg/kg	0.0444 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.4	pH		7.4	pH	7.4 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	5.773 %		

Key

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

Classification of sample: S3TP10

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

Sample details

Sample name:
S3TP10
Sample Depth:
0.2 m
Moisture content:
14%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		360 mg/kg	1.7	611.826 mg/kg	0.0612 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2 mg/kg	1.142	2.285 mg/kg	0.000228 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		35 mg/kg	1.126	39.406 mg/kg	0.00394 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		35000 mg/kg	1.43	50041.069 mg/kg	5.004 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1200 mg/kg	2.749	3298.277 mg/kg	0.33 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5 mg/kg	1.5	2.25 mg/kg	0.000225 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				42	mg/kg	1.785	74.978	mg/kg	0.0075 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				220	mg/kg	2.469	543.245	mg/kg	0.0543 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				6.5	pH		6.5	pH	6.5 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			201-581-5	85-01-8									
25		anthracene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
			204-371-1	120-12-7									
26		fluoranthene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
			205-912-4	206-44-0									
27		pyrene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			204-927-3	129-00-0									
28		chrysene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		601-048-00-0	205-923-4	218-01-9									
										Total:	5.492 %		

Key

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

Classification of sample: S3TP18

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

Sample details

Sample name:
S3TP18
Sample Depth:
0.5 m
Moisture content:
4.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.9 mg/kg	1.197	2.274 mg/kg	0.000227 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		40 mg/kg	1.7	67.981 mg/kg	0.0068 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.33 mg/kg	2.775	0.916 mg/kg	0.0000916 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.4 mg/kg	1.462	13.739 mg/kg	0.00137 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.9 mg/kg	1.126	10.02 mg/kg	0.001 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		13000 mg/kg	1.43	18586.683 mg/kg	1.859 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.2 mg/kg		8.2 mg/kg	0.00082 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		390 mg/kg	2.749	1071.94 mg/kg	0.107 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.77 mg/kg	1.5	1.155 mg/kg	0.000116 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10 mg/kg	2.637	26.367 mg/kg	0.00264 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				12	mg/kg	1.785	21.422	mg/kg	0.00214 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				20	mg/kg	2.469	49.386	mg/kg	0.00494 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	1.988 %		

Key

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

Classification of sample: S3TP19

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

Sample details

Sample name:
S3TP19
Sample Depth:
1 m
Moisture content:
4.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.2 mg/kg	1.32	6.866 mg/kg	0.000687 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		19 mg/kg	1.7	32.291 mg/kg	0.00323 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.34 mg/kg	2.775	0.944 mg/kg	0.0000944 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.5 mg/kg	1.462	9.5 mg/kg	0.00095 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		16000 mg/kg	1.43	22875.917 mg/kg	2.288 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11 mg/kg		11 mg/kg	0.0011 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		180 mg/kg	2.749	494.741 mg/kg	0.0495 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.75 mg/kg	0.000075 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.7 mg/kg	2.637	20.302 mg/kg	0.00203 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				12	mg/kg	1.785	21.422	mg/kg	0.00214 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				28	mg/kg	2.469	69.14	mg/kg	0.00691 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				6.4	pH		6.4	pH	6.4 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	2.356 %		

Key

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

Classification of sample: S3TP21

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

Sample details

Sample name:
S3TP21
Sample Depth:
0.5 m
Moisture content:
14%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.4 mg/kg	1.32	5.809 mg/kg	0.000581 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		120 mg/kg	1.7	203.942 mg/kg	0.0204 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.33 mg/kg	0.000333 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		37000 mg/kg	1.43	52900.559 mg/kg	5.29 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.1 mg/kg		9.1 mg/kg	0.00091 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		750 mg/kg	2.749	2061.423 mg/kg	0.206 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.29 mg/kg	1.5	0.435 mg/kg	0.0000435 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		39 mg/kg	2.637	102.831 mg/kg	0.0103 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		130 mg/kg	1.785	232.074 mg/kg	0.0232 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62 mg/kg	2.469	153.096 mg/kg	0.0153 %		
19	pH			PH		7.9 pH		7.9 pH	7.9 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.574 %		

Key

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

Classification of sample: S3TP22

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

Sample details

Sample name:
S3TP22
Sample Depth:
0.5 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.9 mg/kg	1.197	2.274 mg/kg	0.000227 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		66 mg/kg	1.7	112.168 mg/kg	0.0112 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.69 mg/kg	2.775	1.915 mg/kg	0.000191 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10 mg/kg	1.126	11.259 mg/kg	0.00113 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		26000 mg/kg	1.43	37173.366 mg/kg	3.717 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11 mg/kg		11 mg/kg	0.0011 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		530 mg/kg	2.749	1456.739 mg/kg	0.146 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.61 mg/kg	1.5	0.915 mg/kg	0.0000915 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19 mg/kg	2.637	50.097 mg/kg	0.00501 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	39.274	mg/kg	0.00393 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				42	mg/kg	2.469	103.71	mg/kg	0.0104 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	3.901 %		

Key

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

Classification of sample: S3TP23

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

Sample details

Sample name:
S3TP23
Sample Depth:
0.5 m
Moisture content:
6.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.7 mg/kg	1.32	8.846 mg/kg	0.000885 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		59 mg/kg	1.7	100.272 mg/kg	0.01 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.54 mg/kg	2.775	1.499 mg/kg	0.00015 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		22000 mg/kg	1.43	31454.386 mg/kg	3.145 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	15 mg/kg		15 mg/kg	0.0015 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1300 mg/kg	2.749	3573.133 mg/kg	0.357 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	84.374 mg/kg	0.00844 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		18 mg/kg	1.785	32.133 mg/kg	0.00321 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		60 mg/kg	2.469	148.158 mg/kg	0.0148 %		
19	pH			PH		8.2 pH		8.2 pH	8.2 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.546 %		

Key

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

Classification of sample: S3TP24

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

Sample details

Sample name:
S3TP24
Sample Depth:
0.2 m
Moisture content:
9.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.3 mg/kg	1.32	10.959 mg/kg	0.0011 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.71 mg/kg	2.775	1.97 mg/kg	0.000197 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.644 mg/kg	0.0000644 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22 mg/kg	1.126	24.77 mg/kg	0.00248 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		25000 mg/kg	1.43	35743.621 mg/kg	3.574 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42 mg/kg		42 mg/kg	0.0042 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1200 mg/kg	2.749	3298.277 mg/kg	0.33 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2 mg/kg	1.5	1.8 mg/kg	0.00018 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19 mg/kg	2.637	50.097 mg/kg	0.00501 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		23 mg/kg	1.785	41.059 mg/kg	0.00411 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74 mg/kg	2.469	182.728 mg/kg	0.0183 %		
19	pH			PH		6.8 pH		6.8 pH	6.8 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.13 mg/kg		0.13 mg/kg	0.000013 %		
28	pyrene		204-927-3	129-00-0		0.12 mg/kg		0.12 mg/kg	0.000012 %		
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	3.962 %		

Key

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

Classification of sample: S3TP24[2]

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

Sample details

Sample name:
S3TP24[2]
Sample Depth:
2 m
Moisture content:
14%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.4 mg/kg	1.197	4.07 mg/kg	0.000407 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		160 mg/kg	1.7	271.923 mg/kg	0.0272 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.2 mg/kg	2.775	3.33 mg/kg	0.000333 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		39000 mg/kg	1.43	55760.048 mg/kg	5.576 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		10 mg/kg	0.001 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		720 mg/kg	2.749	1978.966 mg/kg	0.198 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.75 mg/kg	0.000075 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		34 mg/kg	2.637	89.647 mg/kg	0.00896 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		58 mg/kg	1.785	103.541 mg/kg	0.0104 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		54 mg/kg	2.469	133.342 mg/kg	0.0133 %		
19	pH			PH		7.9 pH		7.9 pH	7.9 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	5.845 %		

Key

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

Classification of sample: S3TP25

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

Sample details

Sample name:
S3TP25
Sample Depth:
1 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		140 mg/kg	1.7	237.932 mg/kg	0.0238 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.885 mg/kg	0.000389 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.4 mg/kg	3.22	7.728 mg/kg	0.000773 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48 mg/kg	1.462	70.155 mg/kg	0.00702 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	14.637 mg/kg	0.00146 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		54000 mg/kg	1.43	77206.221 mg/kg	7.721 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		16 mg/kg	0.0016 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1200 mg/kg	2.749	3298.277 mg/kg	0.33 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.84 mg/kg	1.5	1.26 mg/kg	0.000126 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		36 mg/kg	2.637	94.921 mg/kg	0.00949 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				40	mg/kg	1.785	71.407	mg/kg	0.00714 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				77	mg/kg	2.469	190.136	mg/kg	0.019 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				8	pH		8	pH	8pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	8.123 %		

Key

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

Classification of sample: S3TP26

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

Sample details

Sample name:
S3TP26
Sample Depth:
0.2 m
Moisture content:
16%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.8 mg/kg	1.197	5.746 mg/kg	0.000575 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		400 mg/kg	1.7	679.807 mg/kg	0.068 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.2 mg/kg	3.22	10.304 mg/kg	0.00103 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.9 mg/kg	1.142	2.17 mg/kg	0.000217 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		49000 mg/kg	1.43	70057.497 mg/kg	7.006 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	180 mg/kg		180 mg/kg	0.018 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1600 mg/kg	2.749	4397.702 mg/kg	0.44 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.3 mg/kg	1.5	3.45 mg/kg	0.000345 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40 mg/kg	2.637	105.467 mg/kg	0.0105 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				66	mg/kg	1.785	117.822	mg/kg	0.0118 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				230	mg/kg	2.469	567.938	mg/kg	0.0568 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
			205-912-4	206-44-0									
27		pyrene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
			204-927-3	129-00-0									
28		chrysene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		601-048-00-0	205-923-4	218-01-9									
										Total:	7.626 %		

Key

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

Classification of sample: S3TP27

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

Sample details

Sample name:
S3TP27
Sample Depth:
1 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		310 mg/kg	1.7	526.85 mg/kg	0.0527 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22 mg/kg	1.126	24.77 mg/kg	0.00248 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		33000 mg/kg	1.43	47181.579 mg/kg	4.718 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1300 mg/kg	2.749	3573.133 mg/kg	0.357 %		
13	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
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.3 mg/kg	1.5	1.95 mg/kg	0.000195 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		30 mg/kg	2.637	79.101 mg/kg	0.00791 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				36	mg/kg	1.785	64.267	mg/kg	0.00643 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				170	mg/kg	2.469	419.78	mg/kg	0.042 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	5.209 %		

Key

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

Classification of sample: S3TP29

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

Sample details

Sample name:
S3TP29
Sample Depth:
0.5 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.5 mg/kg	1.197	2.993 mg/kg	0.000299 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		250 mg/kg	1.7	424.879 mg/kg	0.0425 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1 mg/kg	3.22	3.22 mg/kg	0.000322 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.762 mg/kg	0.00158 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		28000 mg/kg	1.43	40032.855 mg/kg	4.003 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	68 mg/kg		68 mg/kg	0.0068 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		640 mg/kg	2.749	1759.081 mg/kg	0.176 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2 mg/kg	1.5	1.8 mg/kg	0.00018 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		21 mg/kg	2.637	55.37 mg/kg	0.00554 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				35	mg/kg	1.785	62.481	mg/kg	0.00625 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				140	mg/kg	2.469	345.701	mg/kg	0.0346 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.4	pH		7.4	pH	7.4 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	4.283 %		

Key

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

Classification of sample: S3TP34

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

Sample details

Sample name:
S3TP34
Sample Depth:
0.2 m
Moisture content:
21%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.1 mg/kg	1.197	3.711 mg/kg	0.000371 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		350 mg/kg	1.7	594.831 mg/kg	0.0595 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.7 mg/kg	3.22	5.474 mg/kg	0.000547 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.8 mg/kg	1.142	2.056 mg/kg	0.000206 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		28000 mg/kg	1.43	40032.855 mg/kg	4.003 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	140 mg/kg		140 mg/kg	0.014 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1300 mg/kg	2.749	3573.133 mg/kg	0.357 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6 mg/kg	1.5	2.4 mg/kg	0.00024 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	84.374 mg/kg	0.00844 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<**LOD**
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				42	mg/kg	1.785	74.978	mg/kg	0.0075 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				200	mg/kg	2.469	493.859	mg/kg	0.0494 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.1	pH		7.1	pH	7.1 pH		
				PH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	4.512 %		

Key

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

Classification of sample: S3WS01

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

Sample details

Sample name:
S3WS01
Sample Depth:
0.5 m

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

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		390 mg/kg	1.7	662.812 mg/kg	0.0663 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.2 mg/kg	3.22	13.523 mg/kg	0.00135 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.5 mg/kg	1.142	2.856 mg/kg	0.000286 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		36000 mg/kg	1.43	51470.814 mg/kg	5.147 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	110 mg/kg		110 mg/kg	0.011 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		2000 mg/kg	2.749	5497.128 mg/kg	0.55 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.8 mg/kg	1.5	2.7 mg/kg	0.00027 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		35 mg/kg	2.637	92.284 mg/kg	0.00923 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2	mg/kg	1.405	2.81	mg/kg	0.000281 %		
17		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37	mg/kg	1.785	66.052	mg/kg	0.00661 %		
18		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		220	mg/kg	2.469	543.245	mg/kg	0.0543 %		
19		TPH (C6 to C40) petroleum group			TPH		15	mg/kg		15	mg/kg	0.0015 %		
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		0.19	mg/kg		0.19	mg/kg	0.000019 %		
27		pyrene		204-927-3	129-00-0		0.16	mg/kg		0.16	mg/kg	0.000016 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
											Total:	5.858 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0015%)

Classification of sample: S3WS04

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

Sample details

Sample name:	LoW Code:	
S3WS04	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.7 mg/kg	1.32	7.526 mg/kg	0.000753 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		75 mg/kg	1.7	127.464 mg/kg	0.0127 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<**LOD**
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<**LOD**
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.35 mg/kg	1.142	0.4 mg/kg	0.00004 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13 mg/kg	1.462	19 mg/kg	0.0019 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	14.637 mg/kg	0.00146 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		18000 mg/kg	1.43	25735.407 mg/kg	2.574 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	34 mg/kg		34 mg/kg	0.0034 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		610 mg/kg	2.749	1676.624 mg/kg	0.168 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.3 mg/kg	1.5	1.95 mg/kg	0.000195 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12 mg/kg	2.637	31.64 mg/kg	0.00316 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.67	mg/kg	1.405	0.941	mg/kg	0.0000941 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				16	mg/kg	1.785	28.563	mg/kg	0.00286 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				70	mg/kg	2.469	172.851	mg/kg	0.0173 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	2.787 %		

Key

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

Classification of sample: S3WS07

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

Sample details

Sample name:	LoW Code:	
S3WS07	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		470 mg/kg	1.7	798.773 mg/kg	0.0799 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		4.1 mg/kg	3.22	13.201 mg/kg	0.00132 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		4.8 mg/kg	1.142	5.483 mg/kg	0.000548 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		40000 mg/kg	1.43	57189.793 mg/kg	5.719 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	48 mg/kg		48 mg/kg	0.0048 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		4500 mg/kg	2.749	12368.537 mg/kg	1.237 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.9 mg/kg	1.5	4.351 mg/kg	0.000435 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		65 mg/kg	2.637	171.385 mg/kg	0.0171 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.9	mg/kg	1.405	4.074	mg/kg	0.000407 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				60	mg/kg	1.785	107.111	mg/kg	0.0107 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				280	mg/kg	2.469	691.403	mg/kg	0.0691 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		TPH (C6 to C40) petroleum group				14	mg/kg		14	mg/kg	0.0014 %		
				TPH									
20		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		phenol				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
30		bromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-826-3	74-97-5									
31		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
32		bromodichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
33		dibromochloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			204-704-0	124-48-1									
34		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
35		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
36		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
37		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
38		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
										Total:	7.155 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because HP 3 Flammable (first indent) can be discounted as this is a solid waste without a free draining liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

Classification of sample: S3WS07R

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

Sample details

Sample name:
S3WS07R
Sample Depth:
0.5 m
Moisture content:
18%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.9 mg/kg	1.197	5.866 mg/kg	0.000587 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		420 mg/kg	1.7	713.797 mg/kg	0.0714 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.9 mg/kg	2.775	5.273 mg/kg	0.000527 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.3 mg/kg	1.142	2.627 mg/kg	0.000263 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42 mg/kg	1.462	61.385 mg/kg	0.00614 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31 mg/kg	1.126	34.903 mg/kg	0.00349 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		50000 mg/kg	1.43	71487.241 mg/kg	7.149 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	83 mg/kg		83 mg/kg	0.0083 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		2400 mg/kg	2.749	6596.553 mg/kg	0.66 %		
13	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**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.4 mg/kg	1.5	3.6 mg/kg	0.00036 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		47 mg/kg	2.637	123.924 mg/kg	0.0124 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		70 mg/kg	1.785	124.963 mg/kg	0.0125 %		
18	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		270 mg/kg	2.469	666.71 mg/kg	0.0667 %		
19	pH			PH		7.2 pH		7.2 pH	7.2 pH		
20	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluoranthene		205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	pyrene		204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
33	dibromochloromethane		204-704-0	124-48-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	styrene	601-026-00-0	202-851-5	100-42-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	tert-butylbenzene		202-632-4	98-06-6		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	sec-butylbenzene		205-227-0	135-98-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	n-butylbenzene		203-209-7	104-51-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
								Total:	7.995 %		

Key

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

Classification of sample: S3BH16

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

Sample details

Sample name:	LoW Code:	
S3BH16	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		72 mg/kg	1.7	122.365 mg/kg	0.0122 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.33 mg/kg	1.142	0.377 mg/kg	0.0000377 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		14000 mg/kg	1.43	20016.428 mg/kg	2.002 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	44 mg/kg		44 mg/kg	0.0044 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		490 mg/kg	2.749	1346.796 mg/kg	0.135 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.36 mg/kg	1.353	0.487 mg/kg	0.0000487 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1 mg/kg	1.5	1.5 mg/kg	0.00015 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12 mg/kg	2.637	31.64 mg/kg	0.00316 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.47	mg/kg	1.405	0.66	mg/kg	0.000066 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				15	mg/kg	1.785	26.778	mg/kg	0.00268 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				66	mg/kg	2.469	162.974	mg/kg	0.0163 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				6.9	pH		6.9	pH	6.9 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	2.182 %		

Key

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

Classification of sample: S3BH17

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

Sample details

Sample name:	LoW Code:	
S3BH17	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.4 mg/kg	1.32	12.411 mg/kg	0.00124 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		230 mg/kg	1.7	390.889 mg/kg	0.0391 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		3.2 mg/kg	3.22	10.304 mg/kg	0.00103 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.3 mg/kg	1.142	1.485 mg/kg	0.000149 %		
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	21.392 mg/kg	0.00214 %		
9	iron { iron (III) oxide }		215-168-2	1309-37-1		22000 mg/kg	1.43	31454.386 mg/kg	3.145 %		
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	120 mg/kg		120 mg/kg	0.012 %		
11	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		920 mg/kg	2.749	2528.679 mg/kg	0.253 %		
12	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.14 mg/kg	1.353	0.189 mg/kg	0.0000189 %		
13	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2 mg/kg	1.5	1.8 mg/kg	0.00018 %		
14	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		25 mg/kg	2.637	65.917 mg/kg	0.00659 %		
15	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1 mg/kg	1.405	1.405 mg/kg	0.000141 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		29	mg/kg	1.785	51.77	mg/kg	0.00518 %		
17		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		150	mg/kg	2.469	370.394	mg/kg	0.037 %		
18		pH			PH		7.6	pH		7.6	pH	7.6 pH		
19		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
21		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
22		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
23		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
29		phenol	604-001-00-2	203-632-7	108-95-2		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
30		bromochloromethane		200-826-3	74-97-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		dibromochloromethane		204-704-0	124-48-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36		tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
											Total:	3.505 %		

Key

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

Classification of sample: S3TP36

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

Sample details

Sample name:	LoW Code:	
S3TP36	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.5 mg/kg	1.32	9.902 mg/kg	0.00099 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		65 mg/kg	1.7	110.469 mg/kg	0.011 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.44 mg/kg	3.22	1.417 mg/kg	0.000142 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.19 mg/kg	1.142	0.217 mg/kg	0.0000217 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.762 mg/kg	0.00158 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		19000 mg/kg	1.43	27165.152 mg/kg	2.717 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12 mg/kg		12 mg/kg	0.0012 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		490 mg/kg	2.749	1346.796 mg/kg	0.135 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1 mg/kg	1.5	1.5 mg/kg	0.00015 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		19 mg/kg	2.637	50.097 mg/kg	0.00501 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.66	mg/kg	1.405	0.927	mg/kg	0.0000927 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				21	mg/kg	1.785	37.489	mg/kg	0.00375 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				39	mg/kg	2.469	96.303	mg/kg	0.00963 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	2.889 %		

Key

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

Classification of sample: S3TP38

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

Sample details

Sample name:	LoW Code:	
S3TP38	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.2 mg/kg	1.32	5.545 mg/kg	0.000555 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		30 mg/kg	1.7	50.986 mg/kg	0.0051 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.18 mg/kg	1.142	0.206 mg/kg	0.0000206 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.6 mg/kg	1.462	8.185 mg/kg	0.000818 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.3 mg/kg	1.126	7.093 mg/kg	0.000709 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		13000 mg/kg	1.43	18586.683 mg/kg	1.859 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.7 mg/kg		4.7 mg/kg	0.00047 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		170 mg/kg	2.749	467.256 mg/kg	0.0467 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.4 mg/kg	2.637	22.148 mg/kg	0.00221 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				8.2	mg/kg	1.785	14.639	mg/kg	0.00146 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				21	mg/kg	2.469	51.855	mg/kg	0.00519 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	1.924 %		

Key

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

Classification of sample: S3TP41

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

Sample details

Sample name:		LoW Code:	
S3TP41		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.4	mg/kg	1.32	8.45	mg/kg	0.000845 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		94	mg/kg	1.7	159.755	mg/kg	0.016 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7	mg/kg	2.775	1.943	mg/kg	0.000194 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.56	mg/kg	3.22	1.803	mg/kg	0.00018 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.21	mg/kg	1.142	0.24	mg/kg	0.000024 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		18000	mg/kg	1.43	25735.407	mg/kg	2.574 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	30	mg/kg		30	mg/kg	0.003 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		470	mg/kg	2.749	1291.825	mg/kg	0.129 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.06	mg/kg	1.353	0.0812	mg/kg	0.00000812 %		
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.9	mg/kg	1.5	1.35	mg/kg	0.000135 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15	mg/kg	2.637	39.55	mg/kg	0.00396 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.56	mg/kg	1.405	0.787	mg/kg	0.0000787 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				20	mg/kg	1.785	35.704	mg/kg	0.00357 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				64	mg/kg	2.469	158.035	mg/kg	0.0158 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				6.8	pH		6.8	pH	6.8 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	2.752 %		

Key

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

Classification of sample: S3TP42

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

Sample details

Sample name:		LoW Code:	
S3TP42		Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:			
0.5 m		Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		310 mg/kg	1.7	526.85 mg/kg	0.0527 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.4 mg/kg	2.775	3.885 mg/kg	0.000389 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.73 mg/kg	3.22	2.351 mg/kg	0.000235 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.8 mg/kg	1.142	2.056 mg/kg	0.000206 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		33000 mg/kg	1.43	47181.579 mg/kg	4.718 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	33 mg/kg		33 mg/kg	0.0033 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1400 mg/kg	2.749	3847.989 mg/kg	0.385 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.8 mg/kg	1.5	2.7 mg/kg	0.00027 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40 mg/kg	2.637	105.467 mg/kg	0.0105 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.4	mg/kg	1.405	1.967	mg/kg	0.000197 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				46	mg/kg	1.785	82.119	mg/kg	0.00821 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				250	mg/kg	2.469	617.324	mg/kg	0.0617 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	5.252 %		

Key

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

Classification of sample: S3TP43

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

Sample details

Sample name:	LoW Code:	
S3TP43	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.8 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		28 mg/kg	1.32	36.969 mg/kg	0.0037 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		78 mg/kg	1.7	132.562 mg/kg	0.0133 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<**LOD**
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.15 mg/kg	1.142	0.171 mg/kg	0.0000171 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.7 mg/kg	1.462	12.716 mg/kg	0.00127 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8 mg/kg	1.126	9.007 mg/kg	0.000901 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		17000 mg/kg	1.43	24305.662 mg/kg	2.431 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.9 mg/kg		6.9 mg/kg	0.00069 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		240 mg/kg	2.749	659.655 mg/kg	0.066 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.9 mg/kg	1.5	1.35 mg/kg	0.000135 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12 mg/kg	2.637	31.64 mg/kg	0.00316 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.4	mg/kg	1.405	0.562	mg/kg	0.0000562 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				28	mg/kg	1.785	49.985	mg/kg	0.005 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				33	mg/kg	2.469	81.487	mg/kg	0.00815 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	2.535 %		

Key

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

Classification of sample: S3TP39

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

Sample details

Sample name:	LoW Code:	
S3TP39	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %		
3	barium { barium sulfate }		231-784-4	7727-43-7		110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.51 mg/kg	3.22	1.642 mg/kg	0.000164 %		
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.62 mg/kg	1.142	0.708 mg/kg	0.0000708 %		
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.8 mg/kg	1.126	11.034 mg/kg	0.0011 %		
10	iron { iron (III) oxide }		215-168-2	1309-37-1		29000 mg/kg	1.43	41462.6 mg/kg	4.146 %		
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		10 mg/kg	0.001 %		
12	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1100 mg/kg	2.749	3023.42 mg/kg	0.302 %		
13	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<**LOD**
14	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28 mg/kg	2.637	73.827 mg/kg	0.00738 %		

#		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		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.66	mg/kg	1.405	0.927	mg/kg	0.0000927 %		
		034-002-00-8											
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				17	mg/kg	1.785	30.348	mg/kg	0.00303 %		
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc sulphate }				42	mg/kg	2.469	103.71	mg/kg	0.0104 %		
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19		pH				8	pH		8	pH	8pH		
				PH									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
21		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
22		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
23		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
24		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
25		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
26		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
										Total:	4.495 %		

Key

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

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 C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

iron (III) oxide (EC Number: 215-168-2, CAS Number: 1309-37-1)

Description/Comments:
Data source: C&L Inventory, Registered Substances database, SDS: Sigma-Aldrich dated 19/09/2012 (REACH compliant)
Data source date: 21 May 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

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

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

1,1-dichloroethane and 1,2-dichloroethane (combined) (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

bromochloromethane (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

trans-1,3-dichloropropene (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

1,3-dichloropropane (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

1,1,1,2-tetrachloroethane (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

4-isopropyltoluene (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Chronic 2; H411

n-butylbenzene (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

hexachlorobutadiene (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

barium sulfate (EC Number: 231-784-4, CAS Number: 7727-43-7)

Description/Comments: No hazard statements
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/89983
Sigma Aldrich SDS dated 15/4/19
Data source date: 02 Apr 2020
Hazard Statements: None.

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

boron {diboron trioxide; boric oxide}

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

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

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

iron {iron (III) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Site not heavy industrial and as such, major source likely from natural strata

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

No significant quantities of Cr(VI) to form worst case species (lead chromate) therefore second worst case species chosen instead, based on hazard statements/molecular weight.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel sulfate}

No significant quantities of Cr(VI) to form worst case species (nickel chromate) therefore second worst case species chosen instead, based on hazard statements/molecular weight.

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

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

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case CLP species based on hazard statements/molecular weight

zinc {zinc sulphate}

No significant quantities of Cr(VI) to form worst case species (zinc chromate) therefore second worst case species chosen instead, 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]

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings

barium {barium sulfate}

No significant quantities of Cr(VI) to form worst case species (barium chromate) therefore second worst case species chosen instead, based on hazard statements/molecular weight.

beryllium {beryllium oxide}

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

manganese {manganese sulphate}

Worst case CLP species based on hazard statements/molecular weight

molybdenum {molybdenum(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.111.5569.10274 (22 Apr 2023)
HazWasteOnline Database: 2023.111.5569.10274 (22 Apr 2023)

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