

## C.3 M6J40 Human Health and Controlled Waters Screeners







Sample ID		TP MAJ40 001	TP MAJ40 001	TP MAJ40 001								
Depth		0.50	0.20	0.50								
Strata												
Sample Type		12-May-21	06-May-21	06-May-21								
Sample Matrix Code	No. of Samples Tested	No. of Exceedences	Minimum	Maximum	Location of Max	Depth of Max	Strata	Method Code	Units	Data		
<b>Metals</b>												
Arsenic	37	0	2.00	12.00	TP MAJ40 001	0.50	0	mg/kg	12.00	4.00	9.00	
Boron (Total Soluble)	37	0	LOD	1.20	TP MAJ40 001	0.50	0	mg/kg	<0.01	<0.01	<0.01	
Cadmium	37	0	LOD	1.30	TP MAJ40 001	0.50	0	mg/kg	1.30	0.60	0.80	
Chromium	37	0	10.00	32.00	TP MAJ40 001	0.50	0	mg/kg	32.00	23.00	25.00	
Chromium Hexavalent	37	0	LOD	0.00	TP MAJ40 001	0.50	0	mg/kg	<0.01	<0.01	<0.01	
Copper	37	0	6.00	55.00	TP MAJ40 001	0.15	0	mg/kg	23.00	23.00	16.00	
Lead	37	0	7.00	71.00	TP MAJ40 001	0.20	0	mg/kg	19.00	19.00	16.00	
Mercury	37	0	LOD	1.81	BM MAJ40 001A	0.30	0	mg/kg	<0.17	<0.17	<0.17	
Nickel	37	0	7.00	33.00	TP MAJ40 001	0.50	0	mg/kg	33.00	33.00	24.00	
Selenium	37	0	LOD	1.00	TP MAJ40 001	0.50	0	mg/kg	<1	<1	<1	
Zinc	37	0	19.00	218.00	TP MAJ40 001	0.20	0	mg/kg	88.00	78.00	81.00	
<b>Inorganics</b>												
ph	32	4	6.54	9.13	HTP MAJ40 001	0.50	0	gm Units	8.26	7.87	9.01	
Cyanide Free	37	0	LOD	1.00	TP MAJ40 001	0.50	0	mg/kg	<1	<1	<1	
Oil (Drainage Material) (COM)	32	0	LOD	5.40	TP MAJ40 001	0.20	0	%	0.30	0.60	0.30	
Organic Matter (OC)	32	0	6.00	3.27	TP MAJ40 001	0.20	0	%	0.18	0.27	0.19	
Water Aquifer Extract (WAE)	32	0	LOD	220.00	BM MAJ40 001	0.20	0	mg/l	60.00	<10	<10	
Sulfides	32	0	LOD	25.00	TP MAJ40 001	0.20	0	mg/kg	<4	<4	<4	
Sulfides in Soil	28	0	LOD	25.00	HTP MAJ40 001	0.50	0	mg/kg	NAD	NAD	NAD	
Substrate Quantification	28	0	LOD	25.00	HTP MAJ40 001	0.50	0	mg/kg	N/A	N/A	N/A	
<b>Phenols</b>												
Total Phenols	24	0	LOD	35.10	BM MAJ40 001	0.20	0	mg/kg	<0.2	<0.2	<0.2	
<b>Styrenes Hydrocarbons</b>												
Aliphatic C1-C6	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
Aliphatic C6-C8	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
Aliphatic C8-C10	37	0	LOD	1.00	0	0.00	0	mg/kg	<1	<1	<1	
Aliphatic C10-C14	37	0	LOD	1.00	0	0.00	0	mg/kg	<1	<1	<1	
Aliphatic C14-C21	37	0	LOD	464.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aliphatic C21-C28	37	0	LOD	3900.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aliphatic C28-C36	37	0	LOD	5360.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aromatic C1-C4	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
Aromatic C4-C6	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
Aromatic C6-C10	37	0	LOD	1.00	0	0.00	0	mg/kg	<1	<1	<1	
Aromatic C10-C14	37	0	LOD	4300.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aromatic C14-C21	37	1	LOD	11400.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aromatic C21-C28	37	1	LOD	15000.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aromatic C28-C36	37	1	LOD	16300.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
Aromatic C36-C42	37	0	LOD	4000.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
TPW All Aro Total	37	0	LOD	52200.00	SD MAJ40 001A	3.55	0	mg/kg	<1	<1	<1	
<b>BTX</b>												
Benzene	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
Ethylbenzene	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
o-Xylene	37	0	LOD	0.01	SD MAJ40 001A	3.55	0	mg/kg	<0.01	<0.01	<0.01	
m-Xylene	37	0	LOD	0.01	SD MAJ40 001A	3.55	0	mg/kg	<0.01	<0.01	<0.01	
p-Xylene	37	0	LOD	0.01	SD MAJ40 001A	3.55	0	mg/kg	<0.01	<0.01	<0.01	
TPW BTX Total	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.01	<0.01	<0.01	
<b>PAHs</b>												
Acenaphthene	37	0	LOD	35.50	SD MAJ40 001A	3.55	0	mg/kg	<0.03	<0.03	<0.03	
Acenaphthylene	37	0	LOD	0.04	BM MAJ40 001	0.50	0	mg/kg	<0.01	<0.01	<0.01	
Acenaphthylene	37	0	LOD	21.40	SD MAJ40 001A	3.55	0	mg/kg	<0.01	<0.01	<0.01	
Fluorene	37	0	LOD	39.20	SD MAJ40 001A	3.55	0	mg/kg	<0.01	<0.01	<0.01	
Phenanthrene	37	0	LOD	62.50	SD MAJ40 001A	3.55	0	mg/kg	<0.03	<0.03	0.04	
Anthracene	37	0	LOD	11.20	SD MAJ40 001A	3.55	0	mg/kg	<0.02	<0.02	<0.02	
Fluoranthene	37	0	LOD	40.30	SD MAJ40 001A	3.55	0	mg/kg	<0.08	<0.08	0.12	
Pyrene	37	0	LOD	18.70	SD MAJ40 001A	3.55	0	mg/kg	<0.07	<0.07	0.10	
Benzo[a]anthracene	37	0	LOD	16.70	SD MAJ40 001A	3.55	0	mg/kg	<0.04	<0.04	0.05	
Chrysene	37	0	LOD	14.80	SD MAJ40 001A	3.55	0	mg/kg	<0.06	<0.06	<0.06	
Benzo[b]fluoranthene	37	0	LOD	10.20	SD MAJ40 001A	3.55	0	mg/kg	<0.05	<0.05	0.06	
Benzo[k]fluoranthene	37	0	LOD	0.17	BM MAJ40 001	0.20	0	mg/kg	<0.07	<0.07	<0.07	
Benzo[e]pyrene	37	0	LOD	7.71	SD MAJ40 001A	3.55	0	mg/kg	<0.04	<0.04	<0.04	
Indeno[1,2,3-cd]perylene	37	0	LOD	4.04	SD MAJ40 001A	3.55	0	mg/kg	<0.03	<0.03	<0.03	
Benzo[a]perylene	37	0	LOD	1.00	0	0.00	0	mg/kg	<0.04	<0.04	<0.04	
Benzo[a]pyrene	37	0	LOD	0.24	TP MAJ40 001	0.20	0	mg/kg	<0.05	<0.05	<0.05	
TPW PAHs Total	37	0	LOD	282.00	SD MAJ40 001A	3.55	0	mg/kg	<0.08	<0.08	0.17	
<b>NOCs</b>												
1,1,1-Trichloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1-Tetrachloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2-Tetrachloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2-Pentachloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1-Dichloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1-Dichloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2-Dichloroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,4-Trichlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,4,5-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,4,6-Tetrachlorobenzene	2	0	LOD	0.24	SD MAJ40 001A	3.55	0	mg/kg				
1,2-Dichlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3-Trichlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,4-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,5-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,6-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,4,5-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,4,6-Tetrachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,4,5-Pentachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,4,6-Pentachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,5,6-Pentachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,2,3,4,5,6-Hexachlorobenzene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1-Trichloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2-Tetrachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2-Dichloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2-Tetrachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2-Pentachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,3-Pentachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,3,3-Hexachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,3,3,3-Heptachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,3,3,3,3-Octachloroethene	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1-Tetrafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2-Tetrafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2-Tetrafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2-Pentafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2,2,2-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2,2,2,2-Octafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1-Pentafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,2-Pentafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2-Pentafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2-Pentafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,2,2,2,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2,2-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2,2,2-Octafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1,1-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,2,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2-Hexafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2,2-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,2,2,2,2,2-Octafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1,1,1-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1,1,2-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0	mg/kg				
1,1,1,1,1,2,2-Heptafluoroethane	2	0	LOD	1.00	HTP MAJ40 001	0.50	0					

## **A66 Northern Trans-Pennine**

**Geo-Env - WP B - Appx C3.2 - M6J40 T1  
WQS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C3.2 - M6J40 T1 WQS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000016

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Reference				BH M6J40.001	BH M6J40.001	BH M6J40.002	BH M6J40.002A-1	BH M6J40.005-2	HTP M6J40.001	HTP M6J40.002	HP M6J40.009	TP M6J40.001	TP M6J40.002
Depth (m)				4.80	0.5	0.5	0.2	0.5	1.0	0.3	1.5	0.2	0.5
Sample Type				Groundwater	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
Date Sampled				07-Jun-21									
	Units	GAC	Source										
<b>General Inorganics</b>													
pH (w)	pH	>6.5 x <9.5	UK DWS	7.4	6.66	6.35	6.98	7.46	7.16	7.83	7.93	7.64	7.81
Electrical conductivity @ 20degC (w)	µs/cm	2500	UK DWS	827	107	53	190	173	344	305	135	296	179
Alkalinity (total) (w) Colorimetry	mg/l Ca CO3		No screening value										
Hardness Total	mg/l Ca CO3		No screening value										
Total Suspended Solids (w)	mg/l		No screening value										
Ammoniacal nitrogen as N (w)	mg/l	0.04	EQS	<0.02									
Ammonia (Free Unionised) as N (w) at 25degC	mg/l		No screening value										
Chloride (w)	mg/l	250	UK DWS	32	16.94	<1.00	4.51	1.16	52.02	14.87	5.79	18.3	5.59
Nitrite (w)	mg/l	0.5	UK DWS										
Nitrate (w)	mg/l	50	UK DWS										
Sulphate (w)	mg/l	250	UK DWS	57									
Sulphide (w)	mg/l		No screening value	57									
DOC (w)	mg/l		No screening value	1.7									
<b>PAHs</b>													
Naphthalene	µg/l	130	EQS	<0.01									
Acenaphthylene	µg/l	0.01	LOD	<0.01									
Acenaphthene	µg/l	0.01	LOD	<0.01									
Fluorene	µg/l	0.01	LOD	<0.01									
Phenanthrene	µg/l	0.01	LOD	<0.01									
Anthracene	µg/l	0.1	EQS	<0.01									
Fluoranthene	µg/l	0.01	LOD	<0.01									
Pyrene	µg/l	0.01	LOD	<0.01									
Benzo(a)anthracene	µg/l	0.01	LOD	<0.01									
Chrysene	µg/l	0.01	LOD	<0.01									
Benzo(b)fluoranthene*	µg/l		No screening value	<0.01									
Benzo(k)fluoranthene*	µg/l		No screening value	<0.01									

## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C3.3 - M6J40 WQS Evaluation**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C3.3 - M6J40 WQS Evaluation
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000017

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Location	Sample Type	Depth	DWS Evaluation	EQS Evaluation	Applicable WQS	Progress to Tier 2 Assessment?
BH M6J40.001	Groundwater	4.8	Secondary A bedrock aquifer	500m N of River Earmont	DWS	No
	Leachate	0.5				Yes
BH M6J40.002	Leachate	0.5		500m N of River Earmont	DWS	Yes
BH M6J40.002A-1	Leachate	0.2		500m N of River Earmont	DWS	Yes
BH M6J40.005-2	Leachate	0.5		450m N of River Earmont	DWS	Yes
HTP M6J40.001	Leachate	1		500m N of River Earmont	DWS	Yes
HTP M6J40.002	Leachate	0.3		500m N of River Earmont	DWS	Yes
HP M6J40.009	Leachate	1.5		232m N of River Earmont	DWS	Yes
TP M6J40.001	Leachate	0.2		330m NW of River Earmont	DWS	Yes
TP M6J40.002	Leachate	0.5		330m NW of River Earmont	DWS	Yes
TP M6J40.003	Leachate	0.2		360m N of River Earmont	DWS	Yes
TP M6J40.004	Leachate	0.15		360m N of River Earmont	DWS	Yes
TP M6J40.005	Leachate	0.5		540m N of River Earmont	DWS	Yes
TP M6J40.006	Leachate	0.9		500m N of River Earmont	DWS	Yes
TP M6J40.007	Leachate	0.15		530m N of River Earmont	DWS	Yes



## **A66 Northern Trans-Pennine**

**Geo-Env - WP B - Appx C3.4 - M6J40 T2  
DWS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C3.4 - M6J40 T2 DWS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000018

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Reference				BH M6J40.001	BH M6J40.002	BH M6J40.002A-1	BH M6J40.005-2	HTP M6J40.001	HTP M6J40.002	HP M6J40.009	TP M6J40.001	TP M6J40.002	TP M6J40.003	TP M6J40.004	TP M6J40.005	TP M6J40.006	TP M6J40.007			
Depth (m)				0.5	0.5	0.2	0.5	1	0.3	1.5	0.2	0.5	0.2	0.15	0.5	0.9	0.15			
Sample Type				Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate			
Date Sampled																				
		Units	GAC	Source																
<b>General Inorganics</b>																				
pH (w)	pH	>6.5 x <9.5		UK DWS	6.66	6.35	6.98	7.46	7.16	7.83	7.93	7.64	7.81	7.38	7.27	7.91	8.2	7.89		
Electrical conductivity @ 20degC (w)	µS/cm	2500		UK DWS	107	53	190	173	344	305	135	296	179	235	213	272	154	149		
Alkalinity (total) (w) Colorimetry	mg/l Ca CO3																			
Hardness Total	mg/l Ca CO3																			
Total Suspended Solids (w)	mg/l																			
Ammoniacal nitrogen as N (w)	mg/l	0.5		UK DWS																
Ammonia (Free Unionised) as N (w) at 25degC	mg/l																			
Chloride (w)	mg/l	250		UK DWS	16.94	<1.00	4.51	1.16	52.02	14.87	5.79	18.3	5.59	5.7	7.46	8.94	<1.00	6.54		
Nitrite (w)	mg/l	0.5		UK DWS																
Nitrate (w)	mg/l	50		UK DWS																
Sulphate (w)	mg/l	250		UK DWS																
Sulphide (w)	mg/l																			
DOC (w)	mg/l																			
<b>PAHs</b>																				
Naphthalene	µg/l																			
Acenaphthylene	µg/l																			
Acenaphthene	µg/l	0.01		LOD																
Fluorene	µg/l																			
Phenanthrene	µg/l																			
Anthracene	µg/l	0.1		EQS																
Fluoranthene	µg/l																			
Pyrene	µg/l																			
Benzo(a)anthracene	µg/l																			
Chrysene	µg/l	0.01		LOD																
Benzo(b)fluoranthene*	µg/l																			
Benzo(k)fluoranthene*	µg/l																			
Benzo(a)pyrene	µg/l	0.01		UK DWS																
Indeno(1,2,3-cd)pyrene*	µg/l																			
Dibenzo(a,h)anthracene	µg/l																			
Benzo(ghi)perylene*	µg/l																			
Total PAH (sum of 16)	µg/l	0.1		UK DWS																
Total PAH (sum of 4*)	µg/l	0.1		UK DWS																
<b>Metals</b>																				
Arsenic (dissolved)	µg/l	10		UK DWS	2	2	<1		2	6	<1		2	4	<1		1	<1	<1	2
Boron (dissolved)	µg/l	1000		UK DWS																
Cadmium (dissolved)	µg/l	5		UK DWS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Calcium (dissolved)	mg/l																			
Copper (dissolved)	µg/l	2000		UK DWS	18	30		13	9	12	20	5	8	26	17	15	2	15	22	
Chromium (dissolved)	µg/l	50		UK DWS	<1	<1	<1	<1		2	1	<1	<1	3	<1	2	<1		1	2
Chromium (hexavalent) (w)	mg/l	50		UK DWS																
Chromium (trivalent) (w)	mg/l	50		UK DWS																
Lead (dissolved)	µg/l	10		UK DWS	21	23	7	<1	11	39	<1		10	6	2	3	<1	<1	24	
Manganese (dissolved)	µg/l	50		UK DWS																
Magnesium (dissolved)	mg/l																			
Mercury (dissolved)	µg/l	1		UK DWS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Molybdenum (dissolved)	µg/l				<1	<1	<1	<1		1	<1	<1	<1	7	3	3	<1	<1	<1	
Nickel (dissolved)	µg/l	20		UK DWS	1	2	<1	<1	6	4	<1	<1	2	1	3	<1		1	4	
Potassium (dissolved)	mg/l																			
Selenium (dissolved)	µg/l	10		UK DWS	<1	3	<1	<1	3	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Sodium (dissolved)	µg/l	200		UK DWS																
Vanadium (dissolved)	µg/l																			
Zinc (dissolved)	µg/l				6	7	7	3	16	80	8	7	19	8	10	2	11	29		
<b>BTEX</b>																				
Benzene	µg/l	1		UK DWS																
Toluene	µg/l	700		WHO DWS																
Ethylbenzene	µg/l	300		WHO DWS																
p & m-xylene	µg/l	500		WHO DWS																
o-xylene	µg/l	500		WHO DWS																
MTBE (Methyl Tertiary Butyl Ether)	µg/l																			
<b>TPH</b>																				
TPH-CWG - Aliphatic >C5 - C6	µg/l	15000		WHO DWS																
TPH-CWG - Aliphatic >C6 - C8	µg/l	15000		WHO DWS																
TPH-CWG - Aliphatic >C8 - C10	µg/l	300		WHO DWS																
TPH-CWG - Aliphatic >C10 - C12	µg/l	300		WHO DWS																
TPH-CWG - Aliphatic >C12 - C16	µg/l	300		WHO DWS																
TPH-CWG - Aliphatic >C16 - C21	µg/l																			
TPH-CWG - Aliphatic >C21 - C35	µg/l																			
TPH-CWG - Aliphatic (C5 - C35)	µg/l																			
TPH-CWG - Aromatic >C5 - C7	µg/l	1		UK DWS																
TPH-CWG - Aromatic >C7 - C8	µg/l	700		WHO DWS																
TPH-CWG - Aromatic >C8 - C10	µg/l	300		WHO DWS																
TPH-CWG - Aromatic >C10 - C12	µg/l	90		WHO DWS																
TPH-CWG - Aromatic >C12 - C16	µg/l	90		WHO DWS																
TPH-CWG - Aromatic >C16 - C21	µg/l	90		WHO DWS																
TPH-CWG - Aromatic >C21 - C35	µg/l	90		WHO DWS																
TPH-CWG - Aromatic (C5 - C35)	µg/l																			
TPH (Ali & Aro >C5-C35) (w)	µg/l																			

## C.4 KBR Human Health and Controlled Waters Screeners







## **A66 Northern Trans-Pennine**

**Geo-Env - WP B - Appx C4.2 - KBR T1  
WQS CWRA**

Kemplay Bank



Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C4.2 - KBR T1 WQS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000021

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
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## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C4.3 - KBR WQS Evaluation**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C4.3 - KBR WQS Evaluation
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000022

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Location	Sample Type	Depth	DWS Evaluation	EQS Evaluation	Applicable WQS	Progress to Tier 2 Assessment?
BH KBR003	GW	13	Principal Bedrock Aquifer	400m N River Eamont	DWS	No
SD KBR005	GW	20		400m N River Eamont	DWS	No
BH KBR012	GW	12.5		100m NE Thacka Beck	DWS	Yes
TP KBR003	Leachate	0.3		80m N River Eamont	DWS	Yes
TP KBR004	Leachate	0.5		320m N River Eamont	DWS	Yes
TP KBR005	Leachate	1		200m SW Thacka Beck	DWS	Yes
TP KBR006	Leachate	1.2		280m N River Eamont	DWS	Yes
TP KBR007	Leachate	1.6		180m N River Eamont	DWS	Yes
TP KBR009	Leachate	1.2		75m NE Thacka Beck	DWS	Yes
BH KBR002	Leachate	0.5		320m N River Eamont	DWS	Yes
BH KBR003	Leachate	0.3		400m N River Eamont	DWS	Yes
BH KBR005	Leachate	0.6		400m N River Eamont	DWS	Yes
SD KBR005	Leachate	1		400m N River Eamont	DWS	Yes
BH KBR006	Leachate	0.5		280m N River Eamont	DWS	Yes
BH KBR007	Leachate	1		300m N River Eamont	DWS	Yes
SD KBR007	Leachate	0.5		300m N River Eamont	DWS	Yes
BH KBR008	Leachate	0.5		290m SW Thacka Beck	DWS	Yes
SD KBR008	Leachate	1.25		290m SW Thacka Beck	DWS	Yes
BH KBR009	Leachate	1		200m SW Thacka Beck	DWS	Yes
BH KBR011	Leachate	0.2		180m N River Eamont	DWS	Yes
BH KBR012	Leachate	1.2	100m NE Thacka Beck	DWS	Yes	

## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C4.4 - KBR T2 DWS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C4.4 - KBR T2 DWS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000023

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
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Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---





## C.5 PTS Human Health and Controlled Waters Screeners









## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C5.2 - PTS T1 WQS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C5.2 - PTS T1 WQS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000026

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
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Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Reference				BH PTS003	BH PTS005	BH PTS011	BH PTS017	BH PTS018	BH PTS020	SW BH PTS005	SW BH PTS011	BH PTS001A	BH PTS002	BH PTS003	BH PTS005	BH PTS006	BH PTS007	BH PTS008	BH PTS009	BH PTS010	BH PTS011
Depth (m)				8.00	2.00	3.90	10.00	8.20	8.20	0.00	0.00	0.4	1.2	0.5	1.2	0.2	0.5	0.2	0.5	0.3	1.2
Sample Type				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surface Water	Surface Water	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
Date Sampled				07/06/2021	07/06/2021	07/06/2021	07/06/2021	07/06/2021	07/06/2021	07/06/2021	07/06/2021	14/04/2021	12/04/2021	07/04/2021	26/03/2021	15/04/2021	23/03/2021	12/04/2021	26/03/2021	23/03/2021	25/03/2021
Units		GAC	Source																		
<b>General Inorganics</b>																					
pH (w)	pH	>6.5 x <9.5	UK DWS	7.44	7.49	7.87	6.92	6.53	7.34	7.26	7.2	7.7	7.13	7.48	6.28	6.17	6.41	9.41	6.5	6.27	5.41
Electrical conductivity @ 20degC (w)	µs/cm	2500	UK DWS	506	413	644	335	214	822	367	428	218	118	158	111	55	33	368	69	97	17
Alkalinity (total) (w) Colorimetry	mg/l Ca CO3		No screening value																		
Hardness Total	mg/l Ca CO3		No screening value																		
Total Suspended Solids (w)	mg/l		No screening value																		
Ammoniacal nitrogen as N (w)	mg/l	0.04	EQS	0.03	0.04	0.02	<0.02	0.04	0.03	0.05	0.17										
Ammonia (Free Unionised) as N (w) at 25degC	mg/l		No screening value																		
Chloride (w)	mg/l	250	UK DWS	8	18	19	19	12	46	21	22	4.87	25.02	3.16	6.5	15.94	2.29	42.11	2.36	4.79	13.7
Nitrite (w)	mg/l	0.5	UK DWS																		
Nitrate (w)	mg/l	50	UK DWS																		
Sulphate (w)	mg/l	250	UK DWS	10	18	66	21	21	9	17	12	33.59	1.1	5.06	59.66	2.41	7.31	76.04	3.46	8.28	17.32
Sulphide (w)	mg/l		No screening value																		
DOC (w)	mg/l		No screening value	4.8	0.7	170	1.7	1.1	0.9	1.3	16.3										
<b>PAHs</b>																					
Naphthalene	µg/l	130	EQS	0.02	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Acenaphthylene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Acenaphthene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Fluorene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Phenanthrene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Anthracene	µg/l	0.1	EQS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Fluoranthene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Pyrene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Benzo(a)anthracene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Chrysene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Benzo(b)fluoranthene*	µg/l		No screening value	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Benzo(k)fluoranthene*	µg/l		No screening value	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Benzo(a)pyrene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Indeno(1,2,3-cd)pyrene*	µg/l		No screening value	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Dibenz(a,h)anthracene	µg/l	0.01	LOD	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Benzo(ghi)perylene*	µg/l		No screening value	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Total PAH (sum of 16)	µg/l	0.1	UK DWS	0.02	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01										
Total PAH (sum of 4*)	µg/l	0.1	UK DWS																		
<b>Metals</b>																					
Arsenic (dissolved)	µg/l	10	UK DWS	<1	<1	2	<1	<1	<1	<1	<1	2	1	1	8	1	2	7	1	2	<1
Boron (dissolved)	µg/l	1000	UK DWS																		
Cadmium (dissolved)	µg/l	0.45	EQS	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Calcium (dissolved)	mg/l		No screening value	98	78	81	43	29	153	63	74										
Copper (dissolved)	µg/l	1	EQS	4	<1	7	2	1	1	<1	3	8	3	3	6	11	3	49	4	5	8
Chromium (dissolved)	µg/l	50	UK DWS																		
Chromium (hexavalent) (w)	mg/l	3.4	EQS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	5	9	<1	1	4
Chromium (trivalent) (w)	mg/l		No screening value	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01										
Lead (dissolved)	µg/l	10	UK DWS	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	1	15	6	21	3	5	10	10
Manganese (dissolved)	µg/l	50	UK DWS																		
Magnesium (dissolved)	mg/l		No screening value																		
Mercury (dissolved)	µg/l	0.07	EQS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Molybdenum (dissolved)	µg/l	0.5	LOD	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3	<1	1	<1	<1	<1	16	<1	<1	<1
Nickel (dissolved)	µg/l	20	UK DWS	4	<1	<1	3	4	1	<1	<1	1	<1	<1	3	2	4	4	<1	2	1
Potassium (dissolved)	mg/l		No screening value																		
Selenium (dissolved)	µg/l	10	UK DWS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	1	<1	<1	<1
Sodium (dissolved)	mg/l	200	UK DWS																		
Vanadium (dissolved)	µg/l	20	EQS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc (dissolved)	µg/l	10.9	EQS	88	1	<1	4	7	2	3	16	1	9	4	7	15	1	6	9	15	12
<b>BTEX</b>																					
Benzene	µg/l	1	UK DWS	<1	<1		<1	<1	<1	<1	<1										
Toluene	µg/l	74	EQS	<1	<1		<1	<1	<1	<1	<1										
Ethylbenzene	µg/l	300	WHO DWS	<1	<1		<1	<1	<1	<1	<1										
p & m-xylene	µg/l	30	EQS	<1	<1		<1	<1	<1	<1	<1										
o-xylene	µg/l	30	EQS	<1	<1		<1	<1	<1	<1	<1										
MTBE (Methyl Tertiary Butyl Ether)	µg/l		No screening value	<1	<1		<1	<1	<1	<1	<1										
<b>TPH</b>																					
TPH-CWG - Aliphatic >C5 - C6	µg/l	15000	WHO DWS	<1	<1		<1	<1	<1	<1	<1										
TPH-CWG - Aliphatic >C6 - C8	µg/l	15000	WHO DWS	<1	<1		<1	<1	<1	<1	<1										
TPH-CWG - Aliphatic >C8 - C10	µg/l	300	WHO DWS	<5	<5		<5	<5	<5	<5	<5										
TPH-CWG - Aliphatic >C10 - C12	µg/l	300	WHO DWS	17	<5		<5	<5	<5	<5	<5										
TPH-CWG - Aliphatic >C12 - C16	µg/l	300	WHO DWS	1526	<5		<5	<5	<5	<5	<5										
TPH-CWG - Aliphatic >C16 - C21	µg/l		No screening value	69	<5		<5	<5	<5	<5	<5										
TPH-CWG - Aliphatic >C21 - C35	µg/l		No screening value	125	<5		<5	<5	<5	<5	<5										
TPH-CWG - Aliphatic (C5 - C35)	µg/l		No screening value	1740	<5		<5	<5	<5	<5	<5										





Sample Reference				TP PTS016	TP PTS017	TP PTS019	TP PTS020	TP PTS021	TP PTS022	TP PTS023	TP PTS024	TP PTS025	TP PTS026	TP PTS027
Depth (m)				1.5	1.8	0.6	0.1	0.2	0.1	0.2	0.6	0.2	0.6	0.5
Sample Type				Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
Date Sampled				26/03/2021	18/03/2021	24/03/2021	24/03/2021	19/04/2021	23/03/2021	19/04/2021	21/04/2021	23/03/2021	20/04/2021	24/03/2021
Units		GAC	Source											
<b>General Inorganics</b>														
pH (w)	pH	>6.5 x <9.5	UK DWS	6.58	5.95	6.64	6.46	6.44	5.81	6.84	5.9	6.4	6.15	6.03
Electrical conductivity @ 20degC (w)	µs/cm	2500	UK DWS	17	26	90	117	98	108	71	60	116	28	53
Alkalinity (total) (w) Colorimetry	mg/l Ca CO3		No screening value											
Hardness Total	mg/l Ca CO3		No screening value											
Total Suspended Solids (w)	mg/l		No screening value											
Ammoniacal nitrogen as N (w)	mg/l	0.04	EQS											
Ammonia (Free Unionised) as N (w) at 25deg	mg/l		No screening value											
Chloride (w)	mg/l	250	UK DWS	4.04	19.87	13.64	4.53	18.59	4.93	1.41	8.24	5.37	23.48	2.43
Nitrite (w)	mg/l	0.5	UK DWS											
Nitrate (w)	mg/l	50	UK DWS											
Sulphate (w)	mg/l	250	UK DWS	12.81	36.52	6.77	<1.00	11.98	9.6	3.52	5.16	<1.00	<1.00	2.8
Sulphide (w)	mg/l		No screening value											
DOC (w)	mg/l		No screening value											
<b>PAHs</b>														
Naphthalene	µg/l	130	EQS											
Acenaphthylene	µg/l	0.01	LOD											
Acenaphthene	µg/l	0.01	LOD											
Fluorene	µg/l	0.01	LOD											
Phenanthrene	µg/l	0.01	LOD											
Anthracene	µg/l	0.1	EQS											
Fluoranthene	µg/l	0.01	LOD											
Pyrene	µg/l	0.01	LOD											
Benzo(a)anthracene	µg/l	0.01	LOD											
Chrysene	µg/l	0.01	LOD											
Benzo(b)fluoranthene*	µg/l		No screening value											
Benzo(k)fluoranthene*	µg/l		No screening value											
Benzo(a)pyrene	µg/l	0.01	LOD											
Indeno(1,2,3-cd)pyrene*	µg/l		No screening value											
Dibenz(a,h)anthracene	µg/l	0.01	LOD											
Benzo(ghi)perylene*	µg/l		No screening value											
Total PAH (sum of 16)	µg/l	0.1	UK DWS											
Total PAH (sum of 4*)	µg/l	0.1	UK DWS											
<b>Metals</b>														
Arsenic (dissolved)	µg/l	10	UK DWS	<1	<1	<1	7	3	5	6	1	6	<1	3
Boron (dissolved)	µg/l	1000	UK DWS											
Cadmium (dissolved)	µg/l	0.45	EQS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Calcium (dissolved)	mg/l		No screening value											
Copper (dissolved)	µg/l	1	EQS	6	2	<1	12	15	11	18	12	9	12	13
Chromium (dissolved)	µg/l	50	UK DWS	<1	<1	<1	3	<1	3	4	1	2	<1	2
Chromium (hexavalent) (w)	mg/l	3.4	EQS											
Chromium (trivalent) (w)	mg/l		No screening value											
Lead (dissolved)	µg/l	10	UK DWS	6	2	<1	73	24	30	60	15	39	9	30
Manganese (dissolved)	µg/l	50	UK DWS											
Magnesium (dissolved)	mg/l		No screening value											
Mercury (dissolved)	µg/l	0.07	EQS	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Molybdenum (dissolved)	µg/l	0.5	LOD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel (dissolved)	µg/l	20	UK DWS	<1	<1	<1	2	3	2	3	3	2	2	3
Potassium (dissolved)	mg/l		No screening value											
Selenium (dissolved)	µg/l	10	UK DWS	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium (dissolved)	mg/l	200	UK DWS											
Vanadium (dissolved)	µg/l	20	EQS											
Zinc (dissolved)	µg/l	10.9	EQS	13	1	3	19	16	25	21	8	16	7	23
<b>BTEX</b>														
Benzene	µg/l	1	UK DWS											
Toluene	µg/l	74	EQS											
Ethylbenzene	µg/l	300	WHO DWS											
p & m-xylene	µg/l	30	EQS											
o-xylene	µg/l	30	EQS											
MTBE (Methyl Tertiary Butyl Ether)	µg/l		No screening value											
<b>TPH</b>														
TPH-CWG - Aliphatic >C5 - C6	µg/l	15000	WHO DWS											
TPH-CWG - Aliphatic >C6 - C8	µg/l	15000	WHO DWS											
TPH-CWG - Aliphatic >C8 - C10	µg/l	300	WHO DWS											
TPH-CWG - Aliphatic >C10 - C12	µg/l	300	WHO DWS											
TPH-CWG - Aliphatic >C12 - C16	µg/l	300	WHO DWS											
TPH-CWG - Aliphatic >C16 - C21	µg/l		No screening value											
TPH-CWG - Aliphatic >C21 - C35	µg/l		No screening value											
TPH-CWG - Aliphatic (C5 - C35)	µg/l		No screening value											
TPH-CWG - Aromatic >C5 - C7	µg/l	1	UK DWS											
TPH-CWG - Aromatic >C7 - C8	µg/l	700	WHO DWS											
TPH-CWG - Aromatic >C8 - C10	µg/l	300	WHO DWS											
TPH-CWG - Aromatic >C10 - C12	µg/l	90	WHO DWS											
TPH-CWG - Aromatic >C12 - C16	µg/l	90	WHO DWS											
TPH-CWG - Aromatic >C16 - C21	µg/l	90	WHO DWS											
TPH-CWG - Aromatic >C21 - C35	µg/l	90	WHO DWS											
TPH-CWG - Aromatic (C5 - C35)	µg/l		No screening value											
TPH (Al & Aro >C5-C35) (w)	µg/l		No screening value											

## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C5.3 - PTS WQS Evaluation**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C5.3 - PTS WQS Evaluation
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000027

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Location	Sample Type	Depth	DWS Evaluation	EQS Evaluation	Applicable WQS	Progress to Tier 2 Assessment?
BH PTS003	GW	8	Principal Bedrock Aquifer	415m east of River Eamont	DWS	Yes
BH PTS005	GW	2	Principal Bedrock Aquifer	16m west of Light Water water course	EQS & DWS	No
BH PTS011	GW	3.9	Principal Bedrock Aquifer	225m south of River Eamont	DWS	Yes
BH PTS017	GW	10	Principal Bedrock Aquifer	>1.1km west of Swine Gill watercours	DWS	Yes
BH PTS018	GW	8.2	Principal Bedrock Aquifer	>1.1km west of Swine Gill watercours	DWS	No
BH PTS020	GW	8.2	Principal Bedrock Aquifer	270m west of Swine Gill	DWS	No
SW BH PTS005	SW	0	N/A	Sampled from Light Water	DWS	Yes
SW BH PTS011	SW	0	N/A	taken from a field drain at Whinfell Park	DWS	Yes
BH PTS001A	Leachate	0.4	Principal Bedrock Aquifer	460m east River Eamont	DWS	Yes
BH PTS002	Leachate	1.2	Principal Bedrock Aquifer	460m east River Eamont	DWS	Yes
BH PTS003	Leachate	0.5	Principal Bedrock Aquifer	160m east River Eamont	DWS	Yes
BH PTS005	Leachate	1.2	Principal Bedrock Aquifer	20m west Light Water	EQS & DWS	No
BH PTS006	Leachate	0.2	Principal Bedrock Aquifer	300m west Light Water	DWS	Yes
BH PTS007	Leachate	0.5	Principal Bedrock Aquifer	20m E unknown stream off River Earnock	EQS & DWS	No
BH PTS008	Leachate	0.2	Principal Bedrock Aquifer	20m E unknown stream off River Earnock	EQS & DWS	No
BH PTS009	Leachate	0.5	Principal Bedrock Aquifer	192m S River Eamont	DWS	Yes
BH PTS010	Leachate	0.3	Principal Bedrock Aquifer	192m S River Eamont	DWS	Yes
BH PTS011	Leachate	1.2	Principal Bedrock Aquifer	10m S field drain at Whinfell Park	EQS & DWS	No
BH PTS012	Leachate	0.3	Principal Bedrock Aquifer	200m SE River Eamont	DWS	Yes
BH PTS013	Leachate	1	Principal Bedrock Aquifer	300m SE River Eamont	DWS	Yes
BH PTS014	Leachate	0.6	Principal Bedrock Aquifer	770m SW River Eamont	DWS	Yes
BH PTS017	Leachate	0.1	Principal Bedrock Aquifer	980m SW River Eamont	DWS	Yes
BH PTS017	Leachate	0.4				Yes
BH PTS018	Leachate	0.6				Yes
BH PTS019	Leachate	0.5	Principal Bedrock Aquifer	950m west Swine Gill	DWS	Yes
BH PTS020	Leachate	0.5	Principal Bedrock Aquifer	300m west Swine Gill	DWS	Yes
BH PTS021	Leachate	0.5	Principal Bedrock Aquifer	320m west Swine Gill	DWS	Yes
BH PTS022	Leachate	0.2	Principal Bedrock Aquifer	240m S Swine Gill	DWS	Yes
BH PTS023	Leachate	0.5	Principal Bedrock Aquifer	240m S Swine Gill	DWS	Yes
TP PTS003	Leachate	0.2	Principal Bedrock Aquifer	170m W River Eamont	DWS	Yes
TP PTS005	Leachate	2.5	Principal Bedrock Aquifer	170m East Light Water	DWS	Yes
TP PTS006	Leachate	0.2	Principal Bedrock Aquifer	60m W Light Water	DWS	Yes
TP PTS007	Leachate	0.5	Principal Bedrock Aquifer	60m west Light Water	DWS	Yes
TP PTS009	Leachate	0.5	Principal Bedrock Aquifer	60m E unknown stream off River Earnock	DWS	Yes
TP PTS010	Leachate	1.35	Principal Bedrock Aquifer	210m south River Eamont	DWS	Yes
TP PTS014	Leachate	2	Principal Bedrock Aquifer	60m W unknown stream off River Earnock	DWS	Yes
TP PTS015	Leachate	1.8	Principal Bedrock Aquifer	550m SW River Eamont	DWS	Yes
TP PTS016	Leachate	1.5	Principal Bedrock Aquifer	>1km unknown stream from River Eamont	DWS	Yes
TP PTS017	Leachate	1.8	Principal Bedrock Aquifer	990m SW River Eamont	DWS	Yes
TP PTS019	Leachate	0.6	Principal Bedrock Aquifer	780m SE Swine Gill	DWS	No
TP PTS020	Leachate	0.1	Principal Bedrock Aquifer	500m W Swine Gill	DWS	Yes
TP PTS021	Leachate	0.2	Principal Bedrock Aquifer	210m west Swine Gill	DWS	Yes
TP PTS022	Leachate	0.1	Principal Bedrock Aquifer	30m E Swine Gill	EQS & DWS	No
TP PTS023	Leachate	0.2	Principal Bedrock Aquifer	50m east Swine Gill	EQS & DWS	No
TP PTS024	Leachate	0.6	Principal Bedrock Aquifer	130m S Swine Gill	DWS	Yes
TP PTS025	Leachate	0.2	Principal Bedrock Aquifer	230m S Swine Gill	DWS	Yes
TP PTS026	Leachate	0.6	Principal Bedrock Aquifer	250m S Swine Gill	DWS	Yes
TP PTS027	Leachate	0.5	Principal Bedrock Aquifer	250m S Swine Gill	DWS	Yes

## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C5.4 - PTS T1 WQS Failures**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C5.4 - PTS T1 WQS Failures
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000028

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Reference				BH PTS011	BH PTS005	BH PTS007	BH PTS008	BH PTS011	TP PTS022	TP PTS023
Depth (m)				3.9	1.2	0.5	0.2	1.2	0.1	0.2
Sample Type				Groundwater	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
Date Sampled				06/07/2021	3/26/2021	3/23/2021	04/12/2021	3/25/2021	3/23/2021	4/19/2021
	Units	GAC	Source							
<b>General Inorganics</b>										
pH (w)	pH	>6.5 x <9.5	UK DWS	7.87	6.28	6.41	9.41	5.41	5.81	6.84
Electrical conductivity @ 20degC (w)	µs/cm	2500	UK DWS	644	111	33	368	17	108	71
Alkalinity (total) (w) Colorimetry	mg/l Ca CO3		No screening value							
Hardness Total	mg/l Ca CO3		No screening value							
Total Suspended Solids (w)	mg/l		No screening value							
Ammoniacal nitrogen as N (w)	mg/l	0.04	EQS	0.02						
Ammonia (Free Unionised) as N (w) at 25degC	mg/l		No screening value							
Chloride (w)	mg/l	250	UK DWS	19	6.5	2.29	42.11	13.7	4.93	1.41
Nitrite (w)	mg/l	0.5	UK DWS							
Nitrate (w)	mg/l	50	UK DWS							
Sulphate (w)	mg/l	250	UK DWS	66	59.66	7.31	76.04	17.32	9.6	3.52
Sulphide (w)	mg/l		No screening value							
DOC (w)	mg/l		No screening value	170						
<b>PAHs</b>										
Naphthalene	µg/l	130	EQS							
Acenaphthylene	µg/l	0.01	LOD							
Acenaphthene	µg/l	0.01	LOD							
Fluorene	µg/l	0.01	LOD							
Phenanthrene	µg/l	0.01	LOD							
Anthracene	µg/l	0.1	EQS							
Fluoranthene	µg/l	0.01	LOD							
Pyrene	µg/l	0.01	LOD							
Benzo(a)anthracene	µg/l	0.01	LOD							
Chrysene	µg/l	0.01	LOD							
Benzo(b)fluoranthene*	µg/l		No screening value							
Benzo(k)fluoranthene*	µg/l		No screening value							
Benzo(a)pyrene	µg/l	0.01	LOD							
Indeno(1,2,3-cd)pyrene*	µg/l		No screening value							
Dibenz(a,h)anthracene	µg/l	0.01	LOD							
Benzo(ghi)perylene*	µg/l		No screening value							
Total PAH (sum of 16)	µg/l	0.1	UK DWS							
Total PAH (sum of 4*)	µg/l	0.1	UK DWS							
<b>Metals</b>										
Arsenic (dissolved)	µg/l	10	UK DWS	2	8	2	7	<1	5	6
Boron (dissolved)	µg/l	1000	UK DWS							
Cadmium (dissolved)	µg/l	0.45	EQS	<0.2	<1	<1	<1	<1	<1	<1
Calcium (dissolved)	mg/l		No screening value	81						
Copper (dissolved)	µg/l	1	EQS	7	6	3	49	8	11	18
Chromium (dissolved)	µg/l	50	UK DWS		<1	5	9	4	3	4
Chromium (hexavalent) (w)	mg/l	3.4	EQS	<0.01						
Chromium (trivalent) (w)	mg/l		No screening value	<0.01						
Lead (dissolved)	µg/l	10	UK DWS	<1	15	21	3	10	30	60
Manganese (dissolved)	µg/l	50	UK DWS							
Magnesium (dissolved)	mg/l		No screening value							
Mercury (dissolved)	µg/l	0.07	EQS	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Molybdenum (dissolved)	µg/l	0.5	LOD		<1	<1	16	<1	<1	<1
Nickel (dissolved)	µg/l	20	UK DWS	<1	3	4	4	1	2	3
Potassium (dissolved)	mg/l		No screening value							
Selenium (dissolved)	µg/l	10	UK DWS	<1	<1	2	1	<1	<1	<1
Sodium (dissolved)	mg/l	200	UK DWS							
Vanadium (dissolved)	µg/l	20	EQS							
Zinc (dissolved)	µg/l	10.9	EQS	<1	7	1	6	12	25	21
<b>BTEX</b>										
Benzene	µg/l	1	UK DWS							
Toluene	µg/l	74	EQS							
Ethylbenzene	µg/l	300	WHO DWS							
p & m-xylene	µg/l	30	EQS							
o-xylene	µg/l	30	EQS							
MTBE (Methyl Tertiary Butyl Ether)	µg/l		No screening value							
<b>TPH</b>										
TPH-CWG - Aliphatic >C5 - C6	µg/l	15000	WHO DWS							
TPH-CWG - Aliphatic >C6 - C8	µg/l	15000	WHO DWS							
TPH-CWG - Aliphatic >C8 - C10	µg/l	300	WHO DWS							
TPH-CWG - Aliphatic >C10 - C12	µg/l	300	WHO DWS							
TPH-CWG - Aliphatic >C12 - C16	µg/l	300	WHO DWS							
TPH-CWG - Aliphatic >C16 - C21	µg/l		No screening value							
TPH-CWG - Aliphatic >C21 - C35	µg/l		No screening value							
TPH-CWG - Aliphatic (C5 - C35)	µg/l		No screening value							
TPH-CWG - Aromatic >C5 - C7	µg/l	1	UK DWS							
TPH-CWG - Aromatic >C7 - C8	µg/l	700	WHO DWS							
TPH-CWG - Aromatic >C8 - C10	µg/l	300	WHO DWS							
TPH-CWG - Aromatic >C10 - C12	µg/l	90	WHO DWS							
TPH-CWG - Aromatic >C12 - C16	µg/l	90	WHO DWS							
TPH-CWG - Aromatic >C16 - C21	µg/l	90	WHO DWS							
TPH-CWG - Aromatic >C21 - C35	µg/l	90	WHO DWS							
TPH-CWG - Aromatic (C5 - C35)	µg/l		No screening value							
TPH (Alk & Aro >C5-C35) (w)	µg/l		No screening value							



## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C5.5 - PTS T2 DWS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C5.5 - PTS T2 DWS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000029

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---





## **A66 Northern Trans-Pennine**

### **Geo-Env - WP B - Appx C5.6 - PTS T2 EQS CWRA**

Kemplay Bank

Document Verification	
<b>Project Title</b>	A66 Northern Trans-Pennine Kemplay Bank
<b>Document Title</b>	Geo-Env - WP B - Appx C5.6 - PTS T2 EQS CWRA
<b>Document Ref</b>	HE565627-AMY-HGT-S02-SI-CE-000039

Rev	Suit. Code	Suitability		Purpose of Issue		
P01	S1	Fit for Co-ordination				
		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	J.Morley	J.Morley	R.Hughes	G.McGarrity	---
	<b>Date</b>	10/02/22	10/02/22	10/02/22	11/02/22	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Rev	Suit. Code	Suitability		Purpose of Issue		
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		<b>Created</b>	<b>Checked</b>	<b>Reviewed</b>	<b>Approved</b>	<b>Authorised</b>
	<b>Signature</b>	---	---	---	---	---
	<b>Date</b>	---	---	---	---	---

Sample Number			SW BH PTS005	SW BH PTS011
Depth (m)			+	+
Sample Type			Surface Water	Surface Water
Date Sampled			07/06/2021	07/06/2021
General Inorganics				
pH	pH Units	6.5 to 9.5	7.26	7.2
Total Cyanide	µg/l	1	Freshwater EQS	
Free Cyanide	µg/l		surrogates from	
Sulphate	mg/l		No screening value	17
Ammonia (free unionised)	mg/l	0.04	EQS	
Chloride	mg/l	250000	EQS	21
Nitrite (w)	mg/l		No screening value	22
Nitrate (w)	mg/l		No screening value	
Dissolved organic carbons	mg/l		No screening value	1.3
Sulphide	mg/l		No screening value	16.3
Conductivity uS/cm @ 25C w	uS/cm		No screening value	367
Hardness Total	mg/l Ca CO3		No screening value	428
Alkalinity	mg/l Ca CO3		No screening value	
Total dissolved solids	mg/l		No screening value	
Phenols				
Total Phenols	µg/l	7.7	Freshwater EQS	
Total Phenols (monohydric)	µg/l	7.7	Freshwater EQS	
PAHs				
Naphthalene	µg/l	130	EQS	<0.01
Acenaphthylene	µg/l	0.01	LOD	<0.01
Acenaphthene	µg/l	0.01	LOD	<0.01
Fluorene	µg/l	0.01	LOD	<0.01
Phenanthrene	µg/l	0.01	LOD	<0.01
Anthracene	µg/l	0.1	EQS	<0.01
Fluoranthene	µg/l	0.01	LOD	<0.01
Pyrene	µg/l	0.01	LOD	<0.01
Benzo(a)anthracene	µg/l	0.01	LOD	<0.01
Chrysene	µg/l	0.01	LOD	<0.01
Benzo(b)fluoranthene	µg/l	0.017	EQS	<0.01
Benzo(k)fluoranthene	µg/l	0.017	EQS	<0.01
Benzo(a)pyrene	µg/l	0.27	EQS	<0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	LOD	<0.01
Dibenzo(a,h)anthracene	µg/l	0.01	LOD	<0.01
Benzo(ghi)perylene	µg/l	0.00082	EQS	<0.01
Total PAH	µg/l	0.01	EQS	<0.01
Metals				
Arsenic	ug/l	50	Freshwater EQS	<1
Barium	ug/l	2000	EQS	<1
Cadmium	ug/l	0.45	Freshwater EQS	<0.2
Calcium	mg/l		No screening value	63
Chromium (hexavalent)	ug/l	3.4	Freshwater EQS	<0.01
Chromium (III)	ug/l	32	Freshwater EQS	<0.01
Chromium			No screening value	
Copper	ug/l	1	Bioavailable Freshwater EQS	<1
Iron	ug/l	1000	Freshwater EQS	3
Lead	ug/l	14	Bioavailable Freshwater EQS	<1
Manganese	ug/l	123	Bioavailable Freshwater EQS	<1
Mercury	ug/l	0.07	Bioavailable Freshwater EQS	<0.1
Molybdenum	ug/l	0.5	LOD	<0.1
Nickel	ug/l	34	Bioavailable Freshwater EQS	<1
Selenium	ug/l	1	LOD	<1
Vanadium	mg/l	20	EQS	
Zinc	ug/l	10.9	EQS	3
16				
BTEX				
Benzene	µg/l	50	Freshwater EQS	<1
Toluene	µg/l	74	Freshwater EQS	<1
Ethylbenzene	µg/l		No screening value	<1
p & m-xylene	µg/l	30	Freshwater EQS	<1
o-xylene	µg/l	30	Freshwater EQS	<1
MTBE (Methyl Tertiary Butyl Ether)	µg/l		No screening value	<1
TPH				
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	LOD	<1
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	LOD	<1
TPH-CWG - Aliphatic >C8 - C10	µg/l	5	LOD	<5
TPH-CWG - Aliphatic >C10 - C12	µg/l	5	LOD	<5
TPH-CWG - Aliphatic >C12 - C16	µg/l	5	LOD	<5
TPH-CWG - Aliphatic >C16 - C21	µg/l		No screening value	<5
TPH-CWG - Aliphatic >C21 - C35	µg/l		No screening value	<5
TPH-CWG - Aliphatic (C5 - C35)	µg/l		No screening value	<5
TPH-CWG - Aromatic >C5 - C7	µg/l	50	EQS	<1
TPH-CWG - Aromatic >C7 - C8	µg/l	1	LOD	<1
TPH-CWG - Aromatic >C8 - C10	µg/l	5	LOD	<5
TPH-CWG - Aromatic >C10 - C12	µg/l	5	LOD	<5
TPH-CWG - Aromatic >C12 - C16	µg/l	5	LOD	<5
TPH-CWG - Aromatic >C16 - C21	µg/l	5	LOD	<5
TPH-CWG - Aromatic >C21 - C35	µg/l	5	LOD	<5
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	LOD	<10
TPH-CWG - Aromatic (C5 - C35)	µg/l		No screening value	<10
TPH (Ali & Aro >C5-C35) (w)	µg/l		No screening value	299

## C.6 M6J40 HazWasteOnline™ Report



# Waste Classification Report

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

- 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.

## Job name

A66 - M6J40 TOPSOIL

## Description/Comments

6 topsoil samples taken from around the M6 junction 40 roundabout near Penrith

## Project

A66 NTP

## Site

M6 Junction 40 (Penrith)

## Classified by

Name: Jennifer Morley  
 Date: 20 Oct 2021 09:39 GMT  
 Telephone: [REDACTED]  
 Company: Amey  
 Precision House, Off McNeil Drive,  
 Eurocentral  
 Motherwell  
 ML1 4UR

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH M6J40.002	0.20	Non Hazardous		2
2	BH M6J40.002A-1	0.20	Non Hazardous		5
3	HTP M6J40.001	0.50	Non Hazardous		8
4	HTP M6J40.002	0.30	Non Hazardous		10
5	TP M6J40.004	0.15	Non Hazardous		13
6	TP M6J40.005	0.15	Non Hazardous		16

## Related documents

#	Name	Description
1	E01. geoenvironmental results (M6J40).pdf	Document attached to Job: A66 - M6J40 TOPSOIL
2	A66 NTP Template	waste stream template used to create this Job

## Report

Created by: Jennifer Morley

Created date: 20 Oct 2021 09:39 GMT

## Appendices

Appendix	Page
Appendix A: Classifier defined and non CLP determinands	19
Appendix B: Rationale for selection of metal species	20
Appendix C: Version	21

**Classification of sample: BH M6J40.002**

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

**Sample details**

Sample name:	<b>BH M6J40.002</b>	LoW Code:	
Sample Depth:	<b>0.20 m</b>	Chapter:	<b>17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
		Entry:	<b>17 05 04 (Soil and stones other than those mentioned in 17 05 03)</b>


**Hazard properties**

None identified

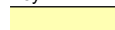



**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				28 mg/kg	1.462	40.924 mg/kg	0.00409 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	23.644 mg/kg	0.00236 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	53 mg/kg		53 mg/kg	0.0053 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				66 mg/kg	1.245	82.151 mg/kg	0.00822 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				15 mg/kg		15 mg/kg	0.0015 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.54 pH		6.54 pH	6.54 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0289 %		

## 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
- ND Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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: BH M6J40.002A-1**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.002A-1</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	24 mg/kg		24 mg/kg	0.0024 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				48 mg/kg	1.245	59.746 mg/kg	0.00597 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				11 mg/kg		11 mg/kg	0.0011 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.77 pH		7.77 pH	7.77 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.14 mg/kg		0.14 mg/kg	0.000014 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.022 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0011%)

**Classification of sample: HTP M6J40.001**

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

**Sample details**

Sample name:	LoW Code:	
<b>HTP M6J40.001</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

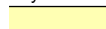



Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.58 mg/kg		0.58 mg/kg	0.000058 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				27 mg/kg	1.245	33.607 mg/kg	0.00336 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				5 mg/kg		5 mg/kg	0.0005 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.93 pH		8.93 pH	8.93 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0159 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0005%)

## Classification of sample: HTP M6J40.002

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

## Sample details

Sample name:	LoW Code:	
<b>HTP M6J40.002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		


## Hazard properties

None identified

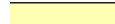



## Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✔	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✔	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✔	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✔	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28 mg/kg		28 mg/kg	0.0028 %	✔	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✔	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				59 mg/kg	1.245	73.438 mg/kg	0.00734 %	✔	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				38 mg/kg		38 mg/kg	0.0038 %	✔	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.5 pH		8.5 pH	8.5 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.17 mg/kg		0.17 mg/kg	0.000017 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		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					
33		indeno[123-cd]pyrene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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						
Total:								0.0247 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0038%)

**Classification of sample: TP M6J40.004**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.15 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	24.77 mg/kg	0.00248 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	24 mg/kg		24 mg/kg	0.0024 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				11 mg/kg	2.806	30.861 mg/kg	0.00309 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				67 mg/kg	1.245	83.396 mg/kg	0.00834 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				27 mg/kg		27 mg/kg	0.0027 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.87 pH		7.87 pH	7.87 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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				0.03 mg/kg		0.03 mg/kg	0.000003 %			✓
		204-371-1	120-12-7								
26	fluoranthene				0.3 mg/kg		0.3 mg/kg	0.00003 %			✓
		205-912-4	206-44-0								
27	pyrene				0.23 mg/kg		0.23 mg/kg	0.000023 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.14 mg/kg		0.14 mg/kg	0.000014 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.12 mg/kg		0.12 mg/kg	0.000012 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0239 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0027%)

**Classification of sample: TP M6J40.005**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.15 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	38 mg/kg	0.0038 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	55.169 mg/kg	0.00552 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	40 mg/kg		40 mg/kg	0.004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				24 mg/kg	2.806	67.334 mg/kg	0.00673 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				81 mg/kg	1.245	100.822 mg/kg	0.0101 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				26 mg/kg		26 mg/kg	0.0026 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.15 pH		8.15 pH	8.15 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.53 mg/kg		0.53 mg/kg	0.000053 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.42 mg/kg		0.42 mg/kg	0.000042 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.28 mg/kg		0.28 mg/kg	0.000028 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0355 %		

## 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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

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

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**Appendix A: Classifier defined and non CLP determinands**

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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

- **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015

- **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]  
 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: [REDACTED]  
 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: [REDACTED]  
 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: [REDACTED]  
 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: [REDACTED]  
 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: [REDACTED]  
 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: [REDACTED]  
 Data source date: 23 Jul 2015  
 Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

### copper {dicopper oxide; copper (I) oxide}

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

### lead {lead compounds with the exception of those specified elsewhere in this Annex}

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)

HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 - M6J40 MADE GROUND

## Description/Comments

20 Made Ground soil samples taken from around the M6 junction 40 roundabout near Penrith.

## Project

A66 NTP

## Site

M6 Junction 40 (Penrith)

## Classified by

Name: **Jennifer Morley**  
 Date: **10 Nov 2021 13:48 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Amey**  
**Precision House, Off McNeil Drive,**  
**Eurocentral**  
**Motherwell**  
**ML1 4UR**

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH M6J40.001	0.20	Non Hazardous		2
2	BH M6J40.004	0.50	Non Hazardous		5
3	BH M6J40.004A	0.30	Non Hazardous		8
4	BH M6J40.005-2	0.10	Non Hazardous		11
5	BH M6J40.005-2[2]	0.50	Non Hazardous		14
6	TP M6J40.001	0.20	Non Hazardous		17
7	TP M6J40.001[2]	0.50	Non Hazardous		19
8	TP M6J40.002	0.20	Non Hazardous		21
9	TP M6J40.002[2]	0.50	Non Hazardous		24
10	TP M6J40.003	0.20	Non Hazardous		27
11	TP M6J40.003[2]	0.30	Non Hazardous		30
12	TP M6J40.006	0.15	Non Hazardous		32
13	TP M6J40.006[2]	0.90	Non Hazardous		35
14	TP M6J40.007	0.15	Non Hazardous		38
15	HP M6J40.009	0.20	Non Hazardous		41
16	HP M6J40.009[2]	0.60	Non Hazardous		44
17	HP M6J40.009[3]	1.50	Non Hazardous		46
18	SD M6J40.005a	0.10	Non Hazardous		49
19	SD M6J40.005a[2]	0.50	Non Hazardous		52
20	SD M6J40.005a[3]	3.55	Hazardous	HP 7, HP 10, HP 11, HP 14	55

## Related documents

#	Name	Description
1	E01. geoenvironmental results (M6J40).pdf	Document attached to Job: A66 - M6J40 MADE GROUND
2	A66 NTP Template	waste stream template used to create this Job

## Report

Created by: Jennifer Morley

Created date: 10 Nov 2021 13:48 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	58
Appendix B: Rationale for selection of metal species	59
Appendix C: Version	60

**Classification of sample: BH M6J40.001**

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

**Sample details**

Sample name:	<b>BH M6J40.001</b>	LoW Code:	
Sample Depth:	<b>0.20 m</b>	Chapter:	<b>17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
		Entry:	<b>17 05 04 (Soil and stones other than those mentioned in 17 05 03)</b>


**Hazard properties**

None identified

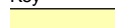
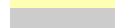


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	26 mg/kg		26 mg/kg	0.0026 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				45 mg/kg	1.245	56.012 mg/kg	0.0056 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.81 pH		7.81 pH	7.81 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			35.1 mg/kg		35.1 mg/kg	0.00351 %	✓	
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0227 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: BH M6J40.004**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				7 mg/kg	1.126	7.881 mg/kg	0.000788 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.67 mg/kg		0.67 mg/kg	0.000067 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				29 mg/kg		29 mg/kg	0.0029 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.96 pH		7.96 pH	7.96 pH		
19		naphthalene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
20	•	acenaphthylene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
21	•	acenaphthene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
22	•	fluorene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
23	•	phenanthrene			0.51 mg/kg		0.51 mg/kg	0.000051 %	✓	
24	•	anthracene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
25	•	fluoranthene			0.71 mg/kg		0.71 mg/kg	0.000071 %	✓	
26	•	pyrene			0.59 mg/kg		0.59 mg/kg	0.000059 %	✓	
27		benzo[a]anthracene			0.39 mg/kg		0.39 mg/kg	0.000039 %	✓	
28		chrysene			0.41 mg/kg		0.41 mg/kg	0.000041 %	✓	
29		benzo[b]fluoranthene			0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
30		benzo[k]fluoranthene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
31		benzo[a]pyrene; benzo[def]chrysene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
32	•	indeno[123-cd]pyrene			0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
35		asbestos			<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0134 %		

## 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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

---

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0029%)

**Classification of sample: BH M6J40.004A**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.004A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	1.81 mg/kg		1.81 mg/kg	0.000181 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				27 mg/kg	1.245	33.607 mg/kg	0.00336 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				25 mg/kg		25 mg/kg	0.0025 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			7.87 pH		7.87 pH	7.87 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●	phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-581-5							
			85-01-8							
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●	fluoranthene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			205-912-4							
			206-44-0							
26	●	pyrene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			204-927-3							
			129-00-0							
27		benzo[a]anthracene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
		601-033-00-9	200-280-6							
			56-55-3							
28		chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
		601-048-00-0	205-923-4							
			218-01-9							
29		benzo[b]fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
		601-034-00-4	205-911-9							
			205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-032-00-3	200-028-5							
			50-32-8							
32	●	indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			205-893-2							
			193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
35		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							
Total:								0.0147 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

---

Hazard Statements hit:


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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0025%)



**Classification of sample: BH M6J40.005-2**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.005-2</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	52 mg/kg		52 mg/kg	0.0052 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				98 mg/kg	1.245	121.982 mg/kg	0.0122 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				45 mg/kg		45 mg/kg	0.0045 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
20		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
21		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
22		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
23		phenanthrene			0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
		201-581-5	85-01-8								
24		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
25		fluoranthene			0.22 mg/kg		0.22 mg/kg	0.000022 %		✓	
		205-912-4	206-44-0								
26		pyrene			0.18 mg/kg		0.18 mg/kg	0.000018 %		✓	
		204-927-3	129-00-0								
27		benzo[a]anthracene			0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
		601-033-00-9	200-280-6	56-55-3							
28		chrysene			0.14 mg/kg		0.14 mg/kg	0.000014 %		✓	
		601-048-00-0	205-923-4	218-01-9							
29		benzo[b]fluoranthene			0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
		601-034-00-4	205-911-9	205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		601-036-00-5	205-916-6	207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
		601-032-00-3	200-028-5	50-32-8							
32		indeno[123-cd]pyrene			0.06 mg/kg		0.06 mg/kg	0.000006 %		✓	
		205-893-2	193-39-5								
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		601-041-00-2	200-181-8	53-70-3							
34		benzo[ghi]perylene			0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
			205-883-8	191-24-2							
35		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
		604-001-00-2	203-632-7	108-95-2							
36		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							
Total:									0.033 %		

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
- ND Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0045%)

**Classification of sample: BH M6J40.005-2[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.005-2[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

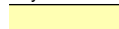
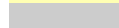


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				9 mg/kg		9 mg/kg	0.0009 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				1 mg/kg	1.142	1.142 mg/kg	0.000114 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.28 mg/kg		0.28 mg/kg	0.000028 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				21 mg/kg	2.806	58.917 mg/kg	0.00589 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				21 mg/kg		21 mg/kg	0.0021 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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									
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
21		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
22		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
23		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1	120-12-7							
25		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4	206-44-0							
26		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3	129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6 56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4 218-01-9							
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9 205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6 207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5 50-32-8							
32		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8 53-70-3							
34		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8 191-24-2							
35		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7 108-95-2							
36		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							
Total:								0.022 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:


**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0021%)



## Classification of sample: TP M6J40.001


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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.001</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	71 mg/kg		71 mg/kg	0.0071 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				78 mg/kg	1.245	97.088 mg/kg	0.00971 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.87 pH		7.87 pH	7.87 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0298 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP M6J40.001[2]

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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.001[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				9 mg/kg		9 mg/kg	0.0009 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				24 mg/kg	2.806	67.334 mg/kg	0.00673 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				41 mg/kg	1.245	51.033 mg/kg	0.0051 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			9.01 pH		9.01 pH	9.01 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %			✓
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.12 mg/kg		0.12 mg/kg	0.000012 %			✓
		205-912-4	206-44-0								
27	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.022 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP M6J40.002


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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	47 mg/kg		47 mg/kg	0.0047 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				63 mg/kg	1.245	78.417 mg/kg	0.00784 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				53 mg/kg		53 mg/kg	0.0053 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.73 pH		7.73 pH	7.73 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.12 mg/kg		0.12 mg/kg	0.000012 %			✓
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.25 mg/kg		0.25 mg/kg	0.000025 %			✓
		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	benzo[a]anthracene				0.14 mg/kg		0.14 mg/kg	0.000014 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.09 mg/kg		0.09 mg/kg	0.000009 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.09 mg/kg		0.09 mg/kg	0.000009 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0312 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0053%)

## Classification of sample: TP M6J40.002[2]

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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.002[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		


## Hazard properties

None identified

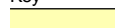



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		19 mg/kg	0.0019 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				23 mg/kg	2.806	64.528 mg/kg	0.00645 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				44 mg/kg	1.245	54.767 mg/kg	0.00548 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				15 mg/kg		15 mg/kg	0.0015 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.06 pH		8.06 pH	8.06 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0239 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0015%)

## Classification of sample: TP M6J40.003


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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				1 mg/kg	1.142	1.142 mg/kg	0.000114 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				37 mg/kg	1.126	41.658 mg/kg	0.00417 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	59 mg/kg		59 mg/kg	0.0059 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.78 mg/kg		0.78 mg/kg	0.000078 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				19 mg/kg	2.806	53.306 mg/kg	0.00533 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				216 mg/kg	1.245	268.858 mg/kg	0.0269 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				508 mg/kg		508 mg/kg	0.0508 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.99 pH		7.99 pH	7.99 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %			✓
		201-581-5	85-01-8								
25	anthracene				0.02 mg/kg		0.02 mg/kg	0.000002 %			✓
		204-371-1	120-12-7								
26	fluoranthene				0.29 mg/kg		0.29 mg/kg	0.000029 %			✓
		205-912-4	206-44-0								
27	pyrene				0.24 mg/kg		0.24 mg/kg	0.000024 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.14 mg/kg		0.14 mg/kg	0.000014 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.18 mg/kg		0.18 mg/kg	0.000018 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.27 mg/kg		0.27 mg/kg	0.000027 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %			✓
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.18 mg/kg		0.18 mg/kg	0.000018 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.18 mg/kg		0.18 mg/kg	0.000018 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.24 mg/kg		0.24 mg/kg	0.000024 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0994 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0508%)

**Classification of sample: TP M6J40.003[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.003[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified





**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	20.266 mg/kg	0.00203 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23 mg/kg		23 mg/kg	0.0023 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.79 mg/kg		0.79 mg/kg	0.000079 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				75 mg/kg	1.245	93.354 mg/kg	0.00934 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				28 mg/kg		28 mg/kg	0.0028 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•				8.2 pH		8.2 pH	8.2 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.0247 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0028%)

**Classification of sample: TP M6J40.006**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.15 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				55 mg/kg	1.126	61.924 mg/kg	0.00619 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	59 mg/kg		59 mg/kg	0.0059 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				95 mg/kg	1.245	118.248 mg/kg	0.0118 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				49 mg/kg		49 mg/kg	0.0049 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.95 pH		7.95 pH	7.95 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0385 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0049%)

**Classification of sample: TP M6J40.006[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.006[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.90 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.37 mg/kg		0.37 mg/kg	0.000037 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.14 pH		8.14 pH	8.14 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0182 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

## Classification of sample: TP M6J40.007

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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.15 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	59 mg/kg		59 mg/kg	0.0059 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				19 mg/kg	2.806	53.306 mg/kg	0.00533 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				73 mg/kg	1.245	90.864 mg/kg	0.00909 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				26 mg/kg		26 mg/kg	0.0026 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.46 pH		7.46 pH	7.46 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			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		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.031 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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

## Classification of sample: HP M6J40.009


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

## Sample details

Sample name:	LoW Code:	
<b>HP M6J40.009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	29 mg/kg		29 mg/kg	0.0029 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				36 mg/kg	1.245	44.81 mg/kg	0.00448 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				23 mg/kg		23 mg/kg	0.0023 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.4 pH		7.4 pH	7.4 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.02 mg/kg		0.02 mg/kg	0.000002 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				0.35 mg/kg		0.35 mg/kg	0.000035 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				0.86 mg/kg		0.86 mg/kg	0.000086 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.68 mg/kg		0.68 mg/kg	0.000068 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.38 mg/kg		0.38 mg/kg	0.000038 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.4 mg/kg		0.4 mg/kg	0.00004 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.46 mg/kg		0.46 mg/kg	0.000046 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.17 mg/kg		0.17 mg/kg	0.000017 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.38 mg/kg		0.38 mg/kg	0.000038 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.13 mg/kg		0.13 mg/kg	0.000013 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0205 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0023%)



**Classification of sample: HP M6J40.009[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>HP M6J40.009[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		


**Hazard properties**

None identified

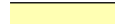



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		7 mg/kg	0.0007 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				19 mg/kg	1.245	23.65 mg/kg	0.00236 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.96 pH		7.96 pH	7.96 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0125 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: HP M6J40.009[3]**

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

**Sample details**

Sample name:	LoW Code:	
<b>HP M6J40.009[3]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50 m</b>		


**Hazard properties**

None identified

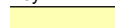
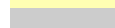


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	9 mg/kg		9 mg/kg	0.0009 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				16 mg/kg	2.806	44.889 mg/kg	0.00449 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				23 mg/kg	1.245	28.628 mg/kg	0.00286 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				6 mg/kg		6 mg/kg	0.0006 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.94 pH		7.94 pH	7.94 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.016 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0006%)

**Classification of sample: SD M6J40.005a**


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

**Sample details**

Sample name:	LoW Code:	
<b>SD M6J40.005a</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	33 mg/kg		33 mg/kg	0.0033 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				16 mg/kg	2.806	44.889 mg/kg	0.00449 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				52 mg/kg	1.245	64.725 mg/kg	0.00647 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				19 mg/kg		19 mg/kg	0.0019 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.89 pH		6.89 pH	6.89 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				0.02 mg/kg		0.02 mg/kg	0.000002 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.02 mg/kg		0.02 mg/kg	0.000002 %		✓	
		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				0.03 mg/kg		0.03 mg/kg	0.000003 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				0.29 mg/kg		0.29 mg/kg	0.000029 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.24 mg/kg		0.24 mg/kg	0.000024 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.13 mg/kg		0.13 mg/kg	0.000013 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.18 mg/kg		0.18 mg/kg	0.000018 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.13 mg/kg		0.13 mg/kg	0.000013 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0234 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0019%)



**Classification of sample: SD M6J40.005a[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>SD M6J40.005a[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		


**Hazard properties**

None identified

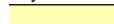



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	38 mg/kg	0.0038 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				24 mg/kg	2.806	67.334 mg/kg	0.00673 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				40 mg/kg	1.245	49.789 mg/kg	0.00498 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				11 mg/kg		11 mg/kg	0.0011 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.03 pH		8.03 pH	8.03 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0222 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0011%)

**Classification of sample: SD M6J40.005a[3]**


**Hazardous Waste**  
 Classified as **17 05 03 \***  
 in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>SD M6J40.005a[3]</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>3.55 m</b>	Entry:
	17 05 03 * (Soil and stones containing hazardous substances)

**Hazard properties**

**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.: 5.22%)

**HP 10: Toxic for reproduction** "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

**Repr. 2; H361d** "Suspected of damaging the unborn child."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 5.22%)

**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.: 5.22%)

**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.: 5.22%)

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	38 mg/kg	0.0038 %	✓	
		215-160-9	1308-38-9							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				8	mg/kg	1.126	9.007	mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11	mg/kg		11	mg/kg	0.0011 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.5	mg/kg		0.5	mg/kg	0.00005 %	✓	
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				17	mg/kg	2.806	47.695	mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				27	mg/kg	1.245	33.607	mg/kg	0.00336 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				52200	mg/kg		52200	mg/kg	5.22 %	✓	
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				0.01	mg/kg		0.01	mg/kg	0.000001 %	✓	
	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]									
18	naphthalene				35.5	mg/kg		35.5	mg/kg	0.00355 %	✓	
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		205-917-1	208-96-8									
20	acenaphthene				24.4	mg/kg		24.4	mg/kg	0.00244 %	✓	
		201-469-6	83-32-9									
21	fluorene				18.2	mg/kg		18.2	mg/kg	0.00182 %	✓	
		201-695-5	86-73-7									
22	phenanthrene				62.5	mg/kg		62.5	mg/kg	0.00625 %	✓	
		201-581-5	85-01-8									
23	anthracene				17.5	mg/kg		17.5	mg/kg	0.00175 %	✓	
		204-371-1	120-12-7									
24	fluoranthene				40.3	mg/kg		40.3	mg/kg	0.00403 %	✓	
		205-912-4	206-44-0									
25	pyrene				28.7	mg/kg		28.7	mg/kg	0.00287 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				16.7	mg/kg		16.7	mg/kg	0.00167 %	✓	
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				14.8	mg/kg		14.8	mg/kg	0.00148 %	✓	
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				10.2	mg/kg		10.2	mg/kg	0.00102 %	✓	
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<7	mg/kg		<7	mg/kg	<0.0007 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				9.31	mg/kg		9.31	mg/kg	0.000931 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				4.04	mg/kg		4.04	mg/kg	0.000404 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<4	mg/kg		<4	mg/kg	<0.0004 %		<LOD
	601-041-00-2	200-181-8	53-70-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
33	benzo[ghi]perylene	205-883-8	191-24-2		<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
34	1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
35	tetrachloroethylene	602-028-00-4 204-825-9	127-18-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
36	carbon tetrachloride; tetrachloromethane	602-008-00-5 200-262-8	56-23-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
37	vinyl chloride; chloroethylene	602-023-00-7 200-831-0	75-01-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
38	hexachlorobenzene	602-065-00-6 204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	asbestos	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		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								5.266 %		

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 Determinand - 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

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** The source of TPH is likely to be asphalt gravels in the strata therefore flammable risk is considered unlikely

Hazard Statements hit:

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 5.22%)  
xylene: (conc.: 1.0e-06%)

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**Appendix A: Classifier defined and non CLP determinands**

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;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

**lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015**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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

**pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: ██████████

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&amp;L Inventory Database

Data source: ██████████

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: [REDACTED]

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 [REDACTED]

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: [REDACTED]

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: [REDACTED]

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 [REDACTED]

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: [REDACTED]

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: [REDACTED]

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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)



**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead compounds with the exception of those specified elsewhere in this Annex}**

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 - M6J40 SUPERFICIALS

## Description/Comments

11 soil samples, consisting 8 clay, 2 sand and 1 gravel sample, were taken from around M6 junction 40 roundabout near Penrith

## Project

A66 NTP

## Site

M6 Junction 40 (Penrith)

## Classified by

Name: Jennifer Morley  
 Date: 20 Oct 2021 09:42 GMT  
 Telephone: [REDACTED]  
 Company: Amey  
 Precision House, Off McNeil Drive,  
 Eurocentral  
 Motherwell  
 ML1 4UR

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH M6J40.001	0.50	Non Hazardous		2
2	BH M6J40.002	0.50	Non Hazardous		5
3	BH M6J40.002A-1	0.50	Non Hazardous		7
4	BH M6J40.005-2	2.00	Non Hazardous		9
5	HTP M6J40.001	1.00	Non Hazardous		11
6	HTP M6J40.002	0.50	Non Hazardous		13
7	TP M6J40.002	1.10	Non Hazardous		15
8	TP M6J40.004	0.50	Non Hazardous		18
9	TP M6J40.005	0.50	Non Hazardous		20
10	TP M6J40.007	0.50	Non Hazardous		22
11	SD M6J40.005a	4.00	Non Hazardous		25

## Related documents

#	Name	Description
1	E01. geoenvironmental results (M6J40).pdf	Document attached to Job: A66 - M6J40 SUPERFICIALS
2	A66 NTP Template	waste stream template used to create this Job


## Report

Created by: Jennifer Morley

Created date: 20 Oct 2021 09:42 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	28
Appendix B: Rationale for selection of metal species	29
Appendix C: Version	30

## Classification of sample: BH M6J40.001

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

## Sample details

Sample name:	LoW Code:	
<b>BH M6J40.001</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		


## Hazard properties

None identified

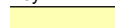
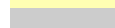


## Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	30 mg/kg		30 mg/kg	0.003 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.65 pH		7.65 pH	7.65 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			34.6 mg/kg		34.6 mg/kg	0.00346 %	✓	
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0222 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: BH M6J40.002**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				32 mg/kg	1.245	39.831 mg/kg	0.00398 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.17 pH		7.17 pH	7.17 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0169 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH M6J40.002A-1**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.002A-1</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		19 mg/kg	0.0019 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				31 mg/kg	1.245	38.586 mg/kg	0.00386 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		7.67 pH		7.67 pH	7.67 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0144 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH M6J40.005-2**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH M6J40.005-2</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.00 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<3 mg/kg		<3 mg/kg	<0.0003 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2 202-049-5	91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene	205-917-1	208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene	201-469-6	83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	fluorene	201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	phenanthrene	201-581-5	85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	anthracene	204-371-1	120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
24	fluoranthene	205-912-4	206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
25	pyrene	204-927-3	129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
26	benzo[a]anthracene	601-033-00-9 200-280-6	56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27	chrysene	601-048-00-0 205-923-4	218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
28	benzo[b]fluoranthene	601-034-00-4 205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5 205-916-6	207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3 200-028-5	50-32-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2 200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0158 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: HTP M6J40.001**


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

**Sample details**

Sample name:	LoW Code:	
<b>HTP M6J40.001</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

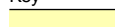



**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.97 pH		8.97 pH	8.97 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			205-912-4	206-44-0						
26	•	pyrene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			204-927-3	129-00-0						
27		benzo[a]anthracene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0155 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

**Classification of sample: HTP M6J40.002**


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

**Sample details**

Sample name:	LoW Code:	
<b>HTP M6J40.002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

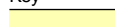



**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.46 mg/kg		0.46 mg/kg	0.000046 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				17 mg/kg		17 mg/kg	0.0017 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			9.13 pH		9.13 pH	9.13 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0186 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0017%)

**Classification of sample: TP M6J40.002**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				29 mg/kg	1.245	36.097 mg/kg	0.00361 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.13 pH		8.13 pH	8.13 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0152 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

## Classification of sample: TP M6J40.004


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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

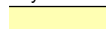



## Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				12	mg/kg		12	mg/kg	0.0012 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				1.2	mg/kg	1.142	1.371	mg/kg	0.000137 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27	mg/kg	1.462	39.462	mg/kg	0.00395 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21	mg/kg		21	mg/kg	0.0021 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17	mg/kg		<0.17	mg/kg	<0.000017 %		<LOD
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				29	mg/kg	2.806	81.361	mg/kg	0.00814 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				55	mg/kg	1.245	68.459	mg/kg	0.00685 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				20	mg/kg		20	mg/kg	0.002 %	✓	
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•		PH		8.1 pH		8.1 pH	8.1 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•		acenaphthylene		0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
21	•		acenaphthene		0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
22	•		fluorene		0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
23	•		phenanthrene		0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
24	•		anthracene		0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
25	•		fluoranthene		0.46 mg/kg		0.46 mg/kg	0.000046 %	✓	
26	•		pyrene		0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
27		601-033-00-9	200-280-6	56-55-3	0.28 mg/kg		0.28 mg/kg	0.000028 %	✓	
28		601-048-00-0	205-923-4	218-01-9	0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
29		601-034-00-4	205-911-9	205-99-2	0.29 mg/kg		0.29 mg/kg	0.000029 %	✓	
30		601-036-00-5	205-916-6	207-08-9	0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
31		601-032-00-3	200-028-5	50-32-8	0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
32	•		indeno[123-cd]pyrene		0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
33		601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•		benzo[ghi]perylene		0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
Total:								0.0276 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.002%)

**Classification of sample: TP M6J40.005**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP M6J40.005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				12	mg/kg		12	mg/kg	0.0012 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				1.3	mg/kg	1.142	1.485	mg/kg	0.000149 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				32	mg/kg	1.462	46.77	mg/kg	0.00468 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		19	mg/kg	0.0019 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17	mg/kg		<0.17	mg/kg	<0.000017 %		<LOD
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				35	mg/kg	2.806	98.195	mg/kg	0.00982 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				68	mg/kg	1.245	84.641	mg/kg	0.00846 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			8.25 pH		8.25 pH	8.25 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0297 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: TP M6J40.007

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

## Sample details

Sample name:	LoW Code:	
<b>TP M6J40.007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		


## Hazard properties

None identified

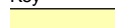



## Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14 mg/kg		14 mg/kg	0.0014 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				23 mg/kg	2.806	64.528 mg/kg	0.00645 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				44 mg/kg	1.245	54.767 mg/kg	0.00548 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.08 pH		8.08 pH	8.08 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0216 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

**Classification of sample: SD M6J40.005a**


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

**Sample details**

Sample name:	LoW Code:	
<b>SD M6J40.005a</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.00 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				10 mg/kg		10 mg/kg	0.001 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				30 mg/kg	1.245	37.341 mg/kg	0.00373 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				30 mg/kg		30 mg/kg	0.003 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2 202-049-5	91-20-3		0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
19	acenaphthylene	205-917-1	208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene	201-469-6	83-32-9		0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
21	fluorene	201-695-5	86-73-7		0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
22	phenanthrene	201-581-5	85-01-8		0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
23	anthracene	204-371-1	120-12-7		0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
24	fluoranthene	205-912-4	206-44-0		0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
25	pyrene	204-927-3	129-00-0		0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
26	benzo[a]anthracene	601-033-00-9 200-280-6	56-55-3		0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
27	chrysene	601-048-00-0 205-923-4	218-01-9		0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
28	benzo[b]fluoranthene	601-034-00-4 205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5 205-916-6	207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3 200-028-5	50-32-8		0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
31	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2 200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
34	1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
35	tetrachloroethylene	602-028-00-4 204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
36	carbon tetrachloride; tetrachloromethane	602-008-00-5 200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	vinyl chloride; chloroethylene	602-023-00-7 200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	hexachlorobenzene	602-065-00-6 204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	asbestos	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		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0197 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.003%)

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**Appendix A: Classifier defined and non CLP determinands**

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;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

■ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015■ **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• **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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

### 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 (edit as required)

**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 (edit as required)

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead compounds with the exception of those specified elsewhere in this Annex}**

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)

HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## C.7 KBR HazWasteOnline™ Report



# Waste Classification Report

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

- 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.

## Job name

A66 KBR - TOPSOIL

## Description/Comments

Six topsoil samples taken from around Kemplay Bank roundabout in Penrith. Samples were taken to inform design of A66 upgrade works

## Project

A66 NTP

## Site

A66 - Kemplay Bank Roundabout

## Classified by

Name: **Jennifer Morley**  
 Date: **21 Oct 2021 14:36 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Amey**  
**Precision House, Off McNeil Drive,**  
**Eurocentral**  
**Motherwell**  
**ML1 4UR**

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	Date
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH KBR002	0.20	Non Hazardous		2
2	BH KBR003	0.30	Non Hazardous		4
3	BH KBR011	0.20	Non Hazardous		7
4	TP KBR003	0.30	Non Hazardous		10
5	TP KBR004	0.10	Non Hazardous		13
6	TP KBR005	0.30	Non Hazardous		16

## Related documents

#	Name	Description
1	E02. geoenvironmental results (KBR).pdf	Document attached to Job: A66 KBR - TOPSOIL
2	A66 NTP Template	waste stream template used to create this Job

## Report

Created by: Jennifer Morley

Created date: 21 Oct 2021 14:36 GMT

## Appendices

Appendix	Page
Appendix A: Classifier defined and non CLP determinands	19
Appendix B: Rationale for selection of metal species	20
Appendix C: Version	21

**Classification of sample: BH KBR002**

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

**Sample details**

Sample name:	BH KBR002	LoW Code:	
Sample Depth:	0.20 m	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

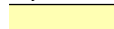



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	37 mg/kg		37 mg/kg	0.0037 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				38 mg/kg	1.245	47.299 mg/kg	0.00473 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.15 pH		6.15 pH	6.15 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0178 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)  
xylene: (conc.: 2.0e-06%)

**Classification of sample: BH KBR003**

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

**Sample details**

Sample name:	<b>BH KBR003</b>	LoW Code:	
Sample Depth:	<b>0.30 m</b>	Chapter:	<b>17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
		Entry:	<b>17 05 04 (Soil and stones other than those mentioned in 17 05 03)</b>

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				11 mg/kg		11 mg/kg	0.0011 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				25 mg/kg	1.126	28.147 mg/kg	0.00281 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	60 mg/kg		60 mg/kg	0.006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				2 mg/kg	2.351	4.702 mg/kg	0.00047 %	✓	
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				57 mg/kg	1.245	70.949 mg/kg	0.00709 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				8 mg/kg		8 mg/kg	0.0008 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			5.44 pH		5.44 pH	5.44 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			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		benzo[a]anthracene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0289 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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


Because of determinands:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0008%)

xylene: (conc.: 2.0e-06%)

## Classification of sample: BH KBR011


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

## Sample details

Sample name:	LoW Code:	
<b>BH KBR011</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	27.021 mg/kg	0.0027 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	61 mg/kg		61 mg/kg	0.0061 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				61 mg/kg	1.245	75.928 mg/kg	0.00759 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.14 pH		6.14 pH	6.14 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %			✓
		205-912-4	206-44-0								
27	pyrene				0.13 mg/kg		0.13 mg/kg	0.000013 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.09 mg/kg		0.09 mg/kg	0.000009 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.09 mg/kg		0.09 mg/kg	0.000009 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0269 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: TP KBR003**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		


**Hazard properties**

None identified

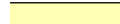



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				31 mg/kg	1.462	45.308 mg/kg	0.00453 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	30.399 mg/kg	0.00304 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	37 mg/kg		37 mg/kg	0.0037 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				23 mg/kg	2.806	64.528 mg/kg	0.00645 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				64 mg/kg	1.245	79.662 mg/kg	0.00797 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				15 mg/kg		15 mg/kg	0.0015 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.84 pH		6.84 pH	6.84 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			205-883-8	191-24-2						
36		phenol			27.8 mg/kg		27.8 mg/kg	0.00278 %	✓	
			604-001-00-2	203-632-7	108-95-2					
37		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						
Total:								0.0327 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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: TP KBR004**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				30 mg/kg	1.126	33.777 mg/kg	0.00338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	63 mg/kg		63 mg/kg	0.0063 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				66 mg/kg	1.245	82.151 mg/kg	0.00822 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				19 mg/kg		19 mg/kg	0.0019 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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											
19		pH			6.23	pH		6.23	pH	6.23 pH		
			PH									
20	naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8									
22	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9									
23	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7									
24	phenanthrene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
		201-581-5	85-01-8									
25	anthracene				0.03	mg/kg		0.03	mg/kg	0.000003 %	✓	
		204-371-1	120-12-7									
26	fluoranthene				0.26	mg/kg		0.26	mg/kg	0.000026 %	✓	
		205-912-4	206-44-0									
27	pyrene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
		204-927-3	129-00-0									
28	benzo[a]anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %	✓	
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				0.11	mg/kg		0.11	mg/kg	0.000011 %	✓	
	601-048-00-0	205-923-4	218-01-9									
30	benzo[b]fluoranthene				0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
	601-034-00-4	205-911-9	205-99-2									
31	benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
32	benzo[a]pyrene; benzo[def]chrysene				0.09	mg/kg		0.09	mg/kg	0.000009 %	✓	
	601-032-00-3	200-028-5	50-32-8									
33	indeno[123-cd]pyrene				0.06	mg/kg		0.06	mg/kg	0.000006 %	✓	
		205-893-2	193-39-5									
34	dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
35	benzo[ghi]perylene				0.05	mg/kg		0.05	mg/kg	0.000005 %	✓	
		205-883-8	191-24-2									
36	phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
37	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									
Total:										0.0306 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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: TP KBR005**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	27.021 mg/kg	0.0027 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	61 mg/kg		61 mg/kg	0.0061 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				56 mg/kg	1.245	69.704 mg/kg	0.00697 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				33 mg/kg		33 mg/kg	0.0033 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.3 pH		7.3 pH	7.3 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			0.47 mg/kg		0.47 mg/kg	0.000047 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.67 mg/kg		0.67 mg/kg	0.000067 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.37 mg/kg		0.37 mg/kg	0.000037 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			0.31 mg/kg		0.31 mg/kg	0.000031 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.32 mg/kg		0.32 mg/kg	0.000032 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0297 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0033%)

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**Appendix A: Classifier defined and non CLP determinands**

---

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;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

▪ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015▪ **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

▪ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database; SDS Sigma Aldrich 2014

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: [REDACTED]

Data source date: 23 Jul 2015

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

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

**Appendix B: Rationale for selection of metal species****arsenic {arsenic}**

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

**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 (edit as required)

**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. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride &amp; iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

**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 (edit as required)

**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 (edit as required)

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead compounds with the exception of those specified elsewhere in this Annex}**

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 KBR - MADE GROUND

## Description/Comments

23 Made Ground samples taken from around the Kemplay Bank Roundabout in Penrith. Samples were taken to inform A66 upgrade works

## Project

A66 NTP

## Site

A66 - Kemplay Bank Roundabout

## Classified by

Name: **Jennifer Morley**  
 Date: **21 Oct 2021 15:02 GMT**  
 Telephone: [REDACTED]  
 Company: **Amey**  
**Precision House, Off McNeil Drive,**  
**Eurocentral**  
**Motherwell**  
**ML1 4UR**

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH KBR005	0.20	Non Hazardous		3
2	BH KBR005[2]	0.60	Non Hazardous		6
3	BH KBR006	0.50	Non Hazardous		9
4	BH KBR006[2]	1.00	Non Hazardous		12
5	BH KBR007	0.10	Non Hazardous		15
6	BH KBR007[2]	1.00	Non Hazardous		18
7	BH KBR007[3]	1.90	Non Hazardous		21
8	BH KBR008	0.10	Non Hazardous		24
9	BH KBR008[2]	0.50	Non Hazardous		27
10	BH KBR009	0.50	Non Hazardous		30
11	BH KBR009[2]	1.00	Non Hazardous		33
12	BH KBR012	0.50	Non Hazardous		36
13	BH KBR012[2]	1.20	Non Hazardous		39
14	BH KBR012[3]	1.70	Non Hazardous		42
15	TP KBR006	0.50	Non Hazardous		45
16	TP KBR009	0.20	Non Hazardous		48
17	TP KBR009[2]	1.20	Non Hazardous		51
18	SD KBR005	0.30	Non Hazardous		54
19	SD KBR005[2]	1.00	Non Hazardous		57
20	SD KBR005[3]	1.55	Non Hazardous		60
21	SD KBR007	0.50	Non Hazardous		63
22	SD KBR008	0.30	Non Hazardous		66
23	SD KBR008[2]	1.25	Non Hazardous		68

## Related documents

#	Name	Description
1	E02. geoenvironmental results (KBR).pdf	Document attached to Job: A66 KBR - MADE GROUND
2	A66 NTP Template	waste stream template used to create this Job

## Report

Created by: Jennifer Morley

Created date: 21 Oct 2021 15:02 GMT


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Appendices	Page
<a href="#">Appendix A: Classifier defined and non CLP determinands</a>	70
<a href="#">Appendix B: Rationale for selection of metal species</a>	71
<a href="#">Appendix C: Version</a>	72

---



**Classification of sample: BH KBR005**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				25 mg/kg	1.126	28.147 mg/kg	0.00281 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	66 mg/kg		66 mg/kg	0.0066 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				76 mg/kg	1.245	94.598 mg/kg	0.00946 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				34 mg/kg		34 mg/kg	0.0034 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.13 pH		7.13 pH	7.13 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				0.01 mg/kg		0.01 mg/kg	0.000001 %		✓	
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.16 mg/kg		0.16 mg/kg	0.000016 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.26 mg/kg		0.26 mg/kg	0.000026 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0331 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0034%)

## Classification of sample: BH KBR005[2]

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

## Sample details

Sample name:	LoW Code:	
<b>BH KBR005[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		


## Hazard properties

None identified

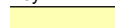
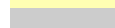


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				20 mg/kg	2.806	56.111 mg/kg	0.00561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				34 mg/kg	1.245	42.32 mg/kg	0.00423 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.94 pH		7.94 pH	7.94 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0187 %		

## 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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

**Classification of sample: BH KBR006**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	53 mg/kg		53 mg/kg	0.0053 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				60 mg/kg	1.245	74.683 mg/kg	0.00747 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				18 mg/kg		18 mg/kg	0.0018 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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											
19		naphthalene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene			0.02	mg/kg		0.02	mg/kg	0.000002 %	✓	
		205-917-1	208-96-8									
21		acenaphthene			0.02	mg/kg		0.02	mg/kg	0.000002 %	✓	
		201-469-6	83-32-9									
22		fluorene			0.03	mg/kg		0.03	mg/kg	0.000003 %	✓	
		201-695-5	86-73-7									
23		phenanthrene			0.58	mg/kg		0.58	mg/kg	0.000058 %	✓	
		201-581-5	85-01-8									
24		anthracene			0.18	mg/kg		0.18	mg/kg	0.000018 %	✓	
		204-371-1	120-12-7									
25		fluoranthene			2.71	mg/kg		2.71	mg/kg	0.000271 %	✓	
		205-912-4	206-44-0									
26		pyrene			2.31	mg/kg		2.31	mg/kg	0.000231 %	✓	
		204-927-3	129-00-0									
27		benzo[a]anthracene			1.4	mg/kg		1.4	mg/kg	0.00014 %	✓	
		601-033-00-9	200-280-6	56-55-3								
28		chrysene			1.18	mg/kg		1.18	mg/kg	0.000118 %	✓	
		601-048-00-0	205-923-4	218-01-9								
29		benzo[b]fluoranthene			1.45	mg/kg		1.45	mg/kg	0.000145 %	✓	
		601-034-00-4	205-911-9	205-99-2								
30		benzo[k]fluoranthene			0.71	mg/kg		0.71	mg/kg	0.000071 %	✓	
		601-036-00-5	205-916-6	207-08-9								
31		benzo[a]pyrene; benzo[def]chrysene			1.32	mg/kg		1.32	mg/kg	0.000132 %	✓	
		601-032-00-3	200-028-5	50-32-8								
32		indeno[123-cd]pyrene			0.86	mg/kg		0.86	mg/kg	0.000086 %	✓	
		205-893-2	193-39-5									
33		dibenz[a,h]anthracene			0.14	mg/kg		0.14	mg/kg	0.000014 %	✓	
		601-041-00-2	200-181-8	53-70-3								
34		benzo[ghi]perylene			0.76	mg/kg		0.76	mg/kg	0.000076 %	✓	
			205-883-8	191-24-2								
35		phenol			18.2	mg/kg		18.2	mg/kg	0.00182 %	✓	
		604-001-00-2	203-632-7	108-95-2								
36		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								
Total:										0.0299 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0018%)



**Classification of sample: BH KBR006[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR006[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

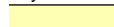



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	24.77 mg/kg	0.00248 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	48 mg/kg		48 mg/kg	0.0048 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				51 mg/kg	1.245	63.48 mg/kg	0.00635 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				31 mg/kg		31 mg/kg	0.0031 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	202-049-5	91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene	205-917-1	208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene	201-469-6	83-32-9		0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
21	fluorene	201-695-5	86-73-7		0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
22	phenanthrene	201-581-5	85-01-8		0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
23	anthracene	204-371-1	120-12-7		0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
24	fluoranthene	205-912-4	206-44-0		0.54 mg/kg		0.54 mg/kg	0.000054 %	✓	
25	pyrene	204-927-3	129-00-0		0.41 mg/kg		0.41 mg/kg	0.000041 %	✓	
26	benzo[a]anthracene	200-280-6	56-55-3		0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
27	chrysene	205-923-4	218-01-9		0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
28	benzo[b]fluoranthene	205-911-9	205-99-2		0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
29	benzo[k]fluoranthene	205-916-6	207-08-9		0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
30	benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
31	indeno[123-cd]pyrene	205-893-2	193-39-5		0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
32	dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene	205-883-8	191-24-2		0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
34	asbestos	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0271 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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


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Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0031%)



**Classification of sample: BH KBR007**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	20.266 mg/kg	0.00203 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.44 mg/kg		0.44 mg/kg	0.000044 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				10 mg/kg	2.806	28.056 mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				42 mg/kg	1.245	52.278 mg/kg	0.00523 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				214 mg/kg		214 mg/kg	0.0214 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.56 pH		8.56 pH	8.56 pH			
			PH								
20	naphthalene				0.04 mg/kg		0.04 mg/kg	0.000004 %			✓
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				0.03 mg/kg		0.03 mg/kg	0.000003 %			✓
		205-917-1	208-96-8								
22	acenaphthene				0.77 mg/kg		0.77 mg/kg	0.000077 %			✓
		201-469-6	83-32-9								
23	fluorene				0.59 mg/kg		0.59 mg/kg	0.000059 %			✓
		201-695-5	86-73-7								
24	phenanthrene				4.24 mg/kg		4.24 mg/kg	0.000424 %			✓
		201-581-5	85-01-8								
25	anthracene				1.28 mg/kg		1.28 mg/kg	0.000128 %			✓
		204-371-1	120-12-7								
26	fluoranthene				5.64 mg/kg		5.64 mg/kg	0.000564 %			✓
		205-912-4	206-44-0								
27	pyrene				4.45 mg/kg		4.45 mg/kg	0.000445 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				2.63 mg/kg		2.63 mg/kg	0.000263 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				1.93 mg/kg		1.93 mg/kg	0.000193 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				1.81 mg/kg		1.81 mg/kg	0.000181 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.77 mg/kg		0.77 mg/kg	0.000077 %			✓
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				1.56 mg/kg		1.56 mg/kg	0.000156 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.87 mg/kg		0.87 mg/kg	0.000087 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.17 mg/kg		0.17 mg/kg	0.000017 %			✓
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.76 mg/kg		0.76 mg/kg	0.000076 %			✓
		205-883-8	191-24-2								
36	phenol				52.3 mg/kg		52.3 mg/kg	0.00523 %			✓
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0456 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0214%)

**Classification of sample: BH KBR007[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR007[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.21 mg/kg		0.21 mg/kg	0.000021 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				30 mg/kg	1.245	37.341 mg/kg	0.00373 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				369 mg/kg		369 mg/kg	0.0369 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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										
19		pH			8.59	pH		8.59	pH	8.59 pH		
			PH									
20		naphthalene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8								
22		acenaphthene			0.05	mg/kg		0.05	mg/kg	0.000005 %	✓	
			201-469-6	83-32-9								
23		fluorene			0.05	mg/kg		0.05	mg/kg	0.000005 %	✓	
			201-695-5	86-73-7								
24		phenanthrene			0.31	mg/kg		0.31	mg/kg	0.000031 %	✓	
			201-581-5	85-01-8								
25		anthracene			0.07	mg/kg		0.07	mg/kg	0.000007 %	✓	
			204-371-1	120-12-7								
26		fluoranthene			0.38	mg/kg		0.38	mg/kg	0.000038 %	✓	
			205-912-4	206-44-0								
27		pyrene			0.29	mg/kg		0.29	mg/kg	0.000029 %	✓	
			204-927-3	129-00-0								
28		benzo[a]anthracene			0.15	mg/kg		0.15	mg/kg	0.000015 %	✓	
		601-033-00-9	200-280-6	56-55-3								
29		chrysene			0.14	mg/kg		0.14	mg/kg	0.000014 %	✓	
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			0.15	mg/kg		0.15	mg/kg	0.000015 %	✓	
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			0.07	mg/kg		0.07	mg/kg	0.000007 %	✓	
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			0.13	mg/kg		0.13	mg/kg	0.000013 %	✓	
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			0.09	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			0.08	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-883-8	191-24-2								
36		phenol			51.9	mg/kg		51.9	mg/kg	0.00519 %	✓	
		604-001-00-2	203-632-7	108-95-2								
37		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								
Total:										0.0573 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0369%)

**Classification of sample: BH KBR007[3]**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR007[3]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.90 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	29 mg/kg		29 mg/kg	0.0029 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				16 mg/kg	2.806	44.889 mg/kg	0.00449 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				41 mg/kg	1.245	51.033 mg/kg	0.0051 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				75 mg/kg		75 mg/kg	0.0075 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.02 pH		8.02 pH	8.02 pH			
			PH								
20	naphthalene				0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				0.81 mg/kg		0.81 mg/kg	0.000081 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.69 mg/kg		0.69 mg/kg	0.000069 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				4.75 mg/kg		4.75 mg/kg	0.000475 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.96 mg/kg		0.96 mg/kg	0.000096 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				4.19 mg/kg		4.19 mg/kg	0.000419 %		✓	
		205-912-4	206-44-0								
27	pyrene				3.04 mg/kg		3.04 mg/kg	0.000304 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				1.34 mg/kg		1.34 mg/kg	0.000134 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				1.11 mg/kg		1.11 mg/kg	0.000111 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.97 mg/kg		0.97 mg/kg	0.000097 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.49 mg/kg		0.49 mg/kg	0.000049 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.86 mg/kg		0.86 mg/kg	0.000086 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.53 mg/kg		0.53 mg/kg	0.000053 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.47 mg/kg		0.47 mg/kg	0.000047 %		✓	
		205-883-8	191-24-2								
36	phenol				43 mg/kg		43 mg/kg	0.0043 %		✓	
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0335 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0075%)

**Classification of sample: BH KBR008**

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

**Sample details**

Sample name:	<b>BH KBR008</b>	LoW Code:	
Sample Depth:	<b>0.10 m</b>	Chapter:	<b>17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
		Entry:	<b>17 05 04 (Soil and stones other than those mentioned in 17 05 03)</b>

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				28 mg/kg	1.126	31.525 mg/kg	0.00315 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	69 mg/kg		69 mg/kg	0.0069 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				82 mg/kg	1.245	102.067 mg/kg	0.0102 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				48 mg/kg		48 mg/kg	0.0048 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.36 pH		7.36 pH	7.36 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.48 mg/kg		0.48 mg/kg	0.000048 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.29 mg/kg		0.29 mg/kg	0.000029 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0357 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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: BH KBR008[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR008[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	24 mg/kg		24 mg/kg	0.0024 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				40 mg/kg	1.245	49.789 mg/kg	0.00498 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				355 mg/kg		355 mg/kg	0.0355 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.36 pH		8.36 pH	8.36 pH			
			PH								
20	naphthalene				0.56 mg/kg		0.56 mg/kg	0.000056 %			✓
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				0.03 mg/kg		0.03 mg/kg	0.000003 %			✓
		205-917-1	208-96-8								
22	acenaphthene				1.36 mg/kg		1.36 mg/kg	0.000136 %			✓
		201-469-6	83-32-9								
23	fluorene				1.29 mg/kg		1.29 mg/kg	0.000129 %			✓
		201-695-5	86-73-7								
24	phenanthrene				6.35 mg/kg		6.35 mg/kg	0.000635 %			✓
		201-581-5	85-01-8								
25	anthracene				1.72 mg/kg		1.72 mg/kg	0.000172 %			✓
		204-371-1	120-12-7								
26	fluoranthene				8.28 mg/kg		8.28 mg/kg	0.000828 %			✓
		205-912-4	206-44-0								
27	pyrene				5.93 mg/kg		5.93 mg/kg	0.000593 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				3.23 mg/kg		3.23 mg/kg	0.000323 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				2.64 mg/kg		2.64 mg/kg	0.000264 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				2.59 mg/kg		2.59 mg/kg	0.000259 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				1.05 mg/kg		1.05 mg/kg	0.000105 %			✓
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				2.47 mg/kg		2.47 mg/kg	0.000247 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				1.61 mg/kg		1.61 mg/kg	0.000161 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.4 mg/kg		0.4 mg/kg	0.00004 %			✓
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				1.34 mg/kg		1.34 mg/kg	0.000134 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0586 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0355%)

**Classification of sample: BH KBR009**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				9 mg/kg		9 mg/kg	0.0009 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.45 mg/kg		0.45 mg/kg	0.000045 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				23 mg/kg	2.806	64.528 mg/kg	0.00645 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				47 mg/kg	1.245	58.502 mg/kg	0.00585 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.84 pH		7.84 pH	7.84 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<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			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0224 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

**Classification of sample: BH KBR009[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR009[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				11	mg/kg		11	mg/kg	0.0011 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				1	mg/kg	1.142	1.142	mg/kg	0.000114 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				32	mg/kg	1.462	46.77	mg/kg	0.00468 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22	mg/kg		22	mg/kg	0.0022 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.26	mg/kg		0.26	mg/kg	0.000026 %	✓	
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				32	mg/kg	2.806	89.778	mg/kg	0.00898 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				60	mg/kg	1.245	74.683	mg/kg	0.00747 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				8	mg/kg		8	mg/kg	0.0008 %	✓	
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.91 pH		7.91 pH	7.91 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0298 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0008%)



**Classification of sample: BH KBR012**

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

**Sample details**

Sample name:	BH KBR012	LoW Code:	
Sample Depth:	0.50 m	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

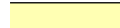



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	38 mg/kg	0.0038 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	21.392 mg/kg	0.00214 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	37 mg/kg		37 mg/kg	0.0037 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.42 mg/kg		0.42 mg/kg	0.000042 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				55 mg/kg	1.245	68.459 mg/kg	0.00685 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				393 mg/kg		393 mg/kg	0.0393 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.96 pH		7.96 pH	7.96 pH		
			PH							
20		naphthalene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
			205-917-1	208-96-8						
22		acenaphthene			0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			1.94 mg/kg		1.94 mg/kg	0.000194 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.55 mg/kg		0.55 mg/kg	0.000055 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			3.63 mg/kg		3.63 mg/kg	0.000363 %	✓	
			205-912-4	206-44-0						
27		pyrene			2.98 mg/kg		2.98 mg/kg	0.000298 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			1.61 mg/kg		1.61 mg/kg	0.000161 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			1.54 mg/kg		1.54 mg/kg	0.000154 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			0.59 mg/kg		0.59 mg/kg	0.000059 %	✓	
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			1.26 mg/kg		1.26 mg/kg	0.000126 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.68 mg/kg		0.68 mg/kg	0.000068 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.56 mg/kg		0.56 mg/kg	0.000056 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0652 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0393%)

**Classification of sample: BH KBR012[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR012[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	24 mg/kg		24 mg/kg	0.0024 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.49 mg/kg		0.49 mg/kg	0.000049 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				20 mg/kg	2.806	56.111 mg/kg	0.00561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				45 mg/kg	1.245	56.012 mg/kg	0.0056 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				492 mg/kg		492 mg/kg	0.0492 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.04 pH		8.04 pH	8.04 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				0.02 mg/kg		0.02 mg/kg	0.000002 %		✓	
		205-917-1	208-96-8								
22	acenaphthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.12 mg/kg		0.12 mg/kg	0.000012 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				1.91 mg/kg		1.91 mg/kg	0.000191 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.6 mg/kg		0.6 mg/kg	0.00006 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				4.22 mg/kg		4.22 mg/kg	0.000422 %		✓	
		205-912-4	206-44-0								
27	pyrene				3.34 mg/kg		3.34 mg/kg	0.000334 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				1.86 mg/kg		1.86 mg/kg	0.000186 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				1.81 mg/kg		1.81 mg/kg	0.000181 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				1.46 mg/kg		1.46 mg/kg	0.000146 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.66 mg/kg		0.66 mg/kg	0.000066 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				1.33 mg/kg		1.33 mg/kg	0.000133 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.66 mg/kg		0.66 mg/kg	0.000066 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.15 mg/kg		0.15 mg/kg	0.000015 %		✓	
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.52 mg/kg		0.52 mg/kg	0.000052 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0728 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0492%)

**Classification of sample: BH KBR012[3]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR012[3]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.70 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20 mg/kg		20 mg/kg	0.002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.37 mg/kg		0.37 mg/kg	0.000037 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				19 mg/kg	2.806	53.306 mg/kg	0.00533 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				1 mg/kg	2.351	2.351 mg/kg	0.000235 %	✓	
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				42 mg/kg	1.245	52.278 mg/kg	0.00523 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				132 mg/kg		132 mg/kg	0.0132 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.8 pH		7.8 pH	7.8 pH		
			PH							
20		naphthalene			1.18 mg/kg		1.18 mg/kg	0.000118 %	✓	
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			205-917-1	208-96-8						
22		acenaphthene			1.52 mg/kg		1.52 mg/kg	0.000152 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.96 mg/kg		0.96 mg/kg	0.000096 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			4.91 mg/kg		4.91 mg/kg	0.000491 %	✓	
			201-581-5	85-01-8						
25		anthracene			1.21 mg/kg		1.21 mg/kg	0.000121 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			6.07 mg/kg		6.07 mg/kg	0.000607 %	✓	
			205-912-4	206-44-0						
27		pyrene			4.46 mg/kg		4.46 mg/kg	0.000446 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			2.08 mg/kg		2.08 mg/kg	0.000208 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			1.94 mg/kg		1.94 mg/kg	0.000194 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			1.87 mg/kg		1.87 mg/kg	0.000187 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			0.75 mg/kg		0.75 mg/kg	0.000075 %	✓	
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			1.64 mg/kg		1.64 mg/kg	0.000164 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.94 mg/kg		0.94 mg/kg	0.000094 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.77 mg/kg		0.77 mg/kg	0.000077 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0367 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0132%)

**Classification of sample: TP KBR006**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	52 mg/kg		52 mg/kg	0.0052 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				16 mg/kg	2.806	44.889 mg/kg	0.00449 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				59 mg/kg	1.245	73.438 mg/kg	0.00734 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				279 mg/kg		279 mg/kg	0.0279 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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											
19		pH			7.17	pH		7.17	pH	7.17 pH		
			PH									
20	naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				0.07	mg/kg		0.07	mg/kg	0.000007 %	✓	
		205-917-1	208-96-8									
22	acenaphthene				0.18	mg/kg		0.18	mg/kg	0.000018 %	✓	
		201-469-6	83-32-9									
23	fluorene				0.17	mg/kg		0.17	mg/kg	0.000017 %	✓	
		201-695-5	86-73-7									
24	phenanthrene				2.31	mg/kg		2.31	mg/kg	0.000231 %	✓	
		201-581-5	85-01-8									
25	anthracene				0.45	mg/kg		0.45	mg/kg	0.000045 %	✓	
		204-371-1	120-12-7									
26	fluoranthene				5.45	mg/kg		5.45	mg/kg	0.000545 %	✓	
		205-912-4	206-44-0									
27	pyrene				4.26	mg/kg		4.26	mg/kg	0.000426 %	✓	
		204-927-3	129-00-0									
28	benzo[a]anthracene				2.81	mg/kg		2.81	mg/kg	0.000281 %	✓	
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				2.67	mg/kg		2.67	mg/kg	0.000267 %	✓	
	601-048-00-0	205-923-4	218-01-9									
30	benzo[b]fluoranthene				3.27	mg/kg		3.27	mg/kg	0.000327 %	✓	
	601-034-00-4	205-911-9	205-99-2									
31	benzo[k]fluoranthene				1.27	mg/kg		1.27	mg/kg	0.000127 %	✓	
	601-036-00-5	205-916-6	207-08-9									
32	benzo[a]pyrene; benzo[def]chrysene				2.57	mg/kg		2.57	mg/kg	0.000257 %	✓	
	601-032-00-3	200-028-5	50-32-8									
33	indeno[123-cd]pyrene				1.55	mg/kg		1.55	mg/kg	0.000155 %	✓	
		205-893-2	193-39-5									
34	dibenz[a,h]anthracene				0.34	mg/kg		0.34	mg/kg	0.000034 %	✓	
	601-041-00-2	200-181-8	53-70-3									
35	benzo[ghi]perylene				1.31	mg/kg		1.31	mg/kg	0.000131 %	✓	
		205-883-8	191-24-2									
36	phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
37	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									
Total:										0.0552 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0279%)

**Classification of sample: TP KBR009**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				33 mg/kg	1.126	37.154 mg/kg	0.00372 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	93 mg/kg		93 mg/kg	0.0093 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				19 mg/kg	2.806	53.306 mg/kg	0.00533 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				78 mg/kg	1.245	97.088 mg/kg	0.00971 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				17 mg/kg		17 mg/kg	0.0017 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.84 pH		6.84 pH	6.84 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-033-00-9	200-280-6						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			601-048-00-0	205-923-4						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			601-034-00-4	205-911-9						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-032-00-3	200-028-5						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
			604-001-00-2	203-632-7						
37		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						
Total:								0.0361 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0017%)

**Classification of sample: TP KBR009[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR009[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	32 mg/kg		32 mg/kg	0.0032 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				49 mg/kg	1.245	60.991 mg/kg	0.0061 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				321 mg/kg		321 mg/kg	0.0321 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.17 pH		8.17 pH	8.17 pH			
			PH								
20	naphthalene				0.11 mg/kg		0.11 mg/kg	0.000011 %		✓	
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				0.87 mg/kg		0.87 mg/kg	0.000087 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.21 mg/kg		0.21 mg/kg	0.000021 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				0.78 mg/kg		0.78 mg/kg	0.000078 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.59 mg/kg		0.59 mg/kg	0.000059 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.23 mg/kg		0.23 mg/kg	0.000023 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.25 mg/kg		0.25 mg/kg	0.000025 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.17 mg/kg		0.17 mg/kg	0.000017 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0535 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0321%)

## Classification of sample: SD KBR005

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

## Sample details

Sample name:	LoW Code:	
<b>SD KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	58 mg/kg		58 mg/kg	0.0058 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				68 mg/kg	1.245	84.641 mg/kg	0.00846 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				65 mg/kg		65 mg/kg	0.0065 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.69 pH		7.69 pH	7.69 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
			205-917-1	208-96-8						
22		acenaphthene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			0.23 mg/kg		0.23 mg/kg	0.000023 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.78 mg/kg		0.78 mg/kg	0.000078 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.65 mg/kg		0.65 mg/kg	0.000065 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			0.47 mg/kg		0.47 mg/kg	0.000047 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.56 mg/kg		0.56 mg/kg	0.000056 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			0.23 mg/kg		0.23 mg/kg	0.000023 %	✓	
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.47 mg/kg		0.47 mg/kg	0.000047 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
			205-883-8	191-24-2						
36		phenol			0.6 mg/kg		0.6 mg/kg	0.00006 %	✓	
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0338 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0065%)

**Classification of sample: SD KBR005[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR005[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				9 mg/kg		9 mg/kg	0.0009 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				21 mg/kg	2.806	58.917 mg/kg	0.00589 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				36 mg/kg	1.245	44.81 mg/kg	0.00448 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				6 mg/kg		6 mg/kg	0.0006 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.28 pH		8.28 pH	8.28 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0205 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0006%)



**Classification of sample: SD KBR005[3]**

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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR005[3]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.55 m</b>		

**Hazard properties**

None identified

**Determinands**


Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.76 mg/kg		0.76 mg/kg	0.000076 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				16 mg/kg	2.806	44.889 mg/kg	0.00449 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				85 mg/kg		85 mg/kg	0.0085 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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										
19		pH			8.39	pH		8.39	pH	8.39 pH		
			PH									
20		naphthalene			0.41	mg/kg		0.41	mg/kg	0.000041 %	✓	
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			0.09	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-917-1	208-96-8								
22		acenaphthene			0.54	mg/kg		0.54	mg/kg	0.000054 %	✓	
			201-469-6	83-32-9								
23		fluorene			0.73	mg/kg		0.73	mg/kg	0.000073 %	✓	
			201-695-5	86-73-7								
24		phenanthrene			3.16	mg/kg		3.16	mg/kg	0.000316 %	✓	
			201-581-5	85-01-8								
25		anthracene			0.84	mg/kg		0.84	mg/kg	0.000084 %	✓	
			204-371-1	120-12-7								
26		fluoranthene			3.47	mg/kg		3.47	mg/kg	0.000347 %	✓	
			205-912-4	206-44-0								
27		pyrene			2.57	mg/kg		2.57	mg/kg	0.000257 %	✓	
			204-927-3	129-00-0								
28		benzo[a]anthracene			1.56	mg/kg		1.56	mg/kg	0.000156 %	✓	
		601-033-00-9	200-280-6	56-55-3								
29		chrysene			1.33	mg/kg		1.33	mg/kg	0.000133 %	✓	
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			1.42	mg/kg		1.42	mg/kg	0.000142 %	✓	
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			0.58	mg/kg		0.58	mg/kg	0.000058 %	✓	
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			1.26	mg/kg		1.26	mg/kg	0.000126 %	✓	
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			0.67	mg/kg		0.67	mg/kg	0.000067 %	✓	
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene			0.15	mg/kg		0.15	mg/kg	0.000015 %	✓	
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			0.55	mg/kg		0.55	mg/kg	0.000055 %	✓	
			205-883-8	191-24-2								
36		phenol			<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2								
37		1,1-dichloroethane and 1,2-dichloroethane (combined)			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3								
38		carbon tetrachloride; tetrachloromethane			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5								
39		trichloroethylene; trichloroethene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6								
40		vinyl chloride; chloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4								
41		hexachlorobenzene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1								
42		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								
Total:										0.0272 %		

## Key

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	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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0085%)

## Classification of sample: SD KBR007


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

## Sample details

Sample name:	LoW Code:	
<b>SD KBR007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27 mg/kg		27 mg/kg	0.0027 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	2.08 mg/kg		2.08 mg/kg	0.000208 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				58 mg/kg	1.245	72.193 mg/kg	0.00722 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				593 mg/kg		593 mg/kg	0.0593 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.33 pH		8.33 pH	8.33 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				0.02 mg/kg		0.02 mg/kg	0.000002 %		✓	
		205-917-1	208-96-8								
22	acenaphthene				0.14 mg/kg		0.14 mg/kg	0.000014 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.13 mg/kg		0.13 mg/kg	0.000013 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				1.77 mg/kg		1.77 mg/kg	0.000177 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.53 mg/kg		0.53 mg/kg	0.000053 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				4.47 mg/kg		4.47 mg/kg	0.000447 %		✓	
		205-912-4	206-44-0								
27	pyrene				3.63 mg/kg		3.63 mg/kg	0.000363 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				2.55 mg/kg		2.55 mg/kg	0.000255 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				2.2 mg/kg		2.2 mg/kg	0.00022 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				2.35 mg/kg		2.35 mg/kg	0.000235 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.9 mg/kg		0.9 mg/kg	0.00009 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				2.15 mg/kg		2.15 mg/kg	0.000215 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				1.07 mg/kg		1.07 mg/kg	0.000107 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.88 mg/kg		0.88 mg/kg	0.000088 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0831 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

---

**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0593%)

**Classification of sample: SD KBR008**

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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR008</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	63 mg/kg		63 mg/kg	0.0063 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				70 mg/kg	1.245	87.13 mg/kg	0.00871 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.71 pH		7.71 pH	7.71 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.45 mg/kg		0.45 mg/kg	0.000045 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.17 mg/kg		0.17 mg/kg	0.000017 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0273 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



## Classification of sample: SD KBR008[2]

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

## Sample details

Sample name:	LoW Code:	
<b>SD KBR008[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.25 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				42 mg/kg	1.245	52.278 mg/kg	0.00523 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.59 pH		7.59 pH	7.59 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0167 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Appendix A: Classifier defined and non CLP determinands**

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;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

■ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015■ **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead compounds with the exception of those specified elsewhere in this Annex}**

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 KBR - SUPERFICIALS

## Description/Comments

16 soil samples (consisting 11 granular soils and 5 cohesive soils) were taken around Kemplay Bank Roundabout near Penrith. Samples were taken to inform A66 upgrade works.

## Project

A66 NTP

## Site

A66 - Kemplay Bank Roundabout

## Classified by

Name: **Jennifer Morley**  
 Date: **21 Oct 2021 15:06 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Amey**  
**Precision House, Off McNeil Drive,**  
**Eurocentral**  
**Motherwell**  
**ML1 4UR**

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH KBR002	0.50	Non Hazardous		2
2	BH KBR003	1.20	Non Hazardous		5
3	BH KBR005	2.00	Non Hazardous		7
4	BH KBR006	2.00	Non Hazardous		9
5	BH KBR008	1.00	Non Hazardous		11
6	BH KBR009	1.50	Non Hazardous		13
7	BH KBR011	1.9	Non Hazardous		15
8	TP KBR003	0.90	Non Hazardous		17
9	TP KBR004	0.50	Non Hazardous		19
10	TP KBR005	1.00	Non Hazardous		21
11	TP KBR006	1.20	Non Hazardous		23
12	TP KBR007	0.50	Non Hazardous		26
13	TP KBR007[2]	1.60	Non Hazardous		28
14	SD KBR005	2.15	Non Hazardous		30
15	SD KBR007	2.90	Non Hazardous		33
16	SD KBR008	2.80	Non Hazardous		35

## Related documents

#	Name	Description
1	E02. geoenvironmental results (KBR).pdf	Document attached to Job: A66 KBR - SUPERFICIALS
2	A66 NTP Template	waste stream template used to create this Job

## Report

Created by: Jennifer Morley

Created date: 21 Oct 2021 15:06 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	37
Appendix B: Rationale for selection of metal species	38
Appendix C: Version	39

**Classification of sample: BH KBR002**

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

**Sample details**

Sample name:	BH KBR002	LoW Code:	
Sample Depth:	0.50 m	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% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				52 mg/kg	1.462	76.001 mg/kg	0.0076 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14 mg/kg		14 mg/kg	0.0014 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				25 mg/kg	2.806	70.139 mg/kg	0.00701 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				53 mg/kg	1.245	65.97 mg/kg	0.0066 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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										
19		pH			7.22	pH		7.22	pH	7.22 pH		
			PH									
20		naphthalene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8								
22		acenaphthene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9								
23		fluorene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7								
24		phenanthrene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8								
25		anthracene			<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7								
26		fluoranthene			<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0								
27		pyrene			<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0								
28		benzo[a]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3								
29		chrysene			<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2								
36		phenol			<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2								
Total:										0.0254 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.



---

Hazard Statements hit:

---

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


Because of determinand:

---

xylene: (conc.: 1.0e-06%)



**Classification of sample: BH KBR003**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				2 mg/kg	2.351	4.702 mg/kg	0.00047 %	✓	
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				34 mg/kg	1.245	42.32 mg/kg	0.00423 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				0.01 mg/kg		0.01 mg/kg	0.000001 %	✓	
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.14 pH		6.14 pH	6.14 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.016 %		

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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)  
xylene: (conc.: 1.0e-06%)

**Classification of sample: BH KBR005**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.00 m</b>		

**Hazard properties**

None identified

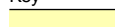



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				370 mg/kg		370 mg/kg	0.037 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.95 pH		7.95 pH	7.95 pH		
19		naphthalene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
20	•	acenaphthylene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
21	•	acenaphthene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
22	•	fluorene			0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
23	•	phenanthrene			1.33 mg/kg		1.33 mg/kg	0.000133 %	✓	
24	•	anthracene			0.31 mg/kg		0.31 mg/kg	0.000031 %	✓	
25	•	fluoranthene			1.71 mg/kg		1.71 mg/kg	0.000171 %	✓	
26	•	pyrene			1.28 mg/kg		1.28 mg/kg	0.000128 %	✓	
27		benzo[a]anthracene			0.64 mg/kg		0.64 mg/kg	0.000064 %	✓	
28		chrysene			0.58 mg/kg		0.58 mg/kg	0.000058 %	✓	
29		benzo[b]fluoranthene			0.65 mg/kg		0.65 mg/kg	0.000065 %	✓	
30		benzo[k]fluoranthene			0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
31		benzo[a]pyrene; benzo[def]chrysene			0.55 mg/kg		0.55 mg/kg	0.000055 %	✓	
32	•	indeno[123-cd]pyrene			0.29 mg/kg		0.29 mg/kg	0.000029 %	✓	
33		dibenz[a,h]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
34	•	benzo[ghi]perylene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
Total:								0.0498 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.037%)

## Classification of sample: BH KBR006


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

## Sample details

Sample name:	LoW Code:	
<b>BH KBR006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.00 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				30 mg/kg	1.245	37.341 mg/kg	0.00373 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene		205-917-1	208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene		201-469-6	83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	fluorene		201-695-5	86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	phenanthrene		201-581-5	85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	anthracene		204-371-1	120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
24	fluoranthene		205-912-4	206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
25	pyrene		204-927-3	129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
26	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
28	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0149 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH KBR008**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR008</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

**Determinands**

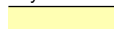



Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				36 mg/kg	1.245	44.81 mg/kg	0.00448 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				144 mg/kg		144 mg/kg	0.0144 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.58 pH		8.58 pH	8.58 pH		
			PH							
19		naphthalene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			205-917-1	208-96-8						
21	•	acenaphthene			0.56 mg/kg		0.56 mg/kg	0.000056 %	✓	
			201-469-6	83-32-9						
22	•	fluorene			0.57 mg/kg		0.57 mg/kg	0.000057 %	✓	
			201-695-5	86-73-7						
23	•	phenanthrene			3.53 mg/kg		3.53 mg/kg	0.000353 %	✓	
			201-581-5	85-01-8						
24	•	anthracene			1 mg/kg		1 mg/kg	0.0001 %	✓	
			204-371-1	120-12-7						
25	•	fluoranthene			5.73 mg/kg		5.73 mg/kg	0.000573 %	✓	
			205-912-4	206-44-0						
26	•	pyrene			4.2 mg/kg		4.2 mg/kg	0.00042 %	✓	
			204-927-3	129-00-0						
27		benzo[a]anthracene			2.61 mg/kg		2.61 mg/kg	0.000261 %	✓	
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			2.19 mg/kg		2.19 mg/kg	0.000219 %	✓	
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			2.29 mg/kg		2.29 mg/kg	0.000229 %	✓	
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			0.89 mg/kg		0.89 mg/kg	0.000089 %	✓	
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			2.14 mg/kg		2.14 mg/kg	0.000214 %	✓	
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			1.45 mg/kg		1.45 mg/kg	0.000145 %	✓	
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			0.34 mg/kg		0.34 mg/kg	0.000034 %	✓	
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			1.23 mg/kg		1.23 mg/kg	0.000123 %	✓	
			205-883-8	191-24-2						
Total:								0.0335 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0144%)

**Classification of sample: BH KBR009**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	38 mg/kg	0.0038 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.74 mg/kg		0.74 mg/kg	0.000074 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				20 mg/kg	2.806	56.111 mg/kg	0.00561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				37 mg/kg	1.245	46.054 mg/kg	0.00461 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.34 pH		8.34 pH	8.34 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0181 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH KBR011**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH KBR011</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.9 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	9 mg/kg		9 mg/kg	0.0009 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				10 mg/kg	2.806	28.056 mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				22 mg/kg	1.245	27.384 mg/kg	0.00274 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				1 mg/kg		1 mg/kg	0.0001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		7.7 pH		7.7 pH	7.7 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0111 %		

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
- ND Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

**Classification of sample: TP KBR003**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.90 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.48 mg/kg		0.48 mg/kg	0.000048 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				10 mg/kg	1.245	12.447 mg/kg	0.00124 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.75 pH		6.75 pH	6.75 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.00625 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP KBR004**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				17 mg/kg	2.806	47.695 mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.88 pH		6.88 pH	6.88 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0165 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP KBR005**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified

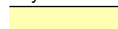



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23 mg/kg		23 mg/kg	0.0023 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				40 mg/kg	1.245	49.789 mg/kg	0.00498 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		7.21 pH		7.21 pH	7.21 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0169 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP KBR006**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	25 mg/kg		25 mg/kg	0.0025 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				48 mg/kg	1.245	59.746 mg/kg	0.00597 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				6 mg/kg		6 mg/kg	0.0006 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.39 pH		7.39 pH	7.39 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		✓	
		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	benzo[a]anthracene				0.06 mg/kg		0.06 mg/kg	0.000006 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.02 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0006%)

**Classification of sample: TP KBR007**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

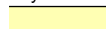
**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27 mg/kg		27 mg/kg	0.0027 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				37 mg/kg	1.245	46.054 mg/kg	0.00461 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				9 mg/kg		9 mg/kg	0.0009 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.99 pH		7.99 pH	7.99 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
24	•	anthracene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
25	•	fluoranthene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
26	•	pyrene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
27		benzo[a]anthracene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
28		chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
29		benzo[b]fluoranthene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
32	•	indeno[123-cd]pyrene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
								Total:	0.0174 %	

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0009%)



**Classification of sample: TP KBR007[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP KBR007[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.60 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			7.91 pH		7.91 pH	7.91 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.0157 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: SD KBR005**

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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.15 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				12 mg/kg	1.245	14.937 mg/kg	0.00149 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				14 mg/kg		14 mg/kg	0.0014 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.11 pH		8.11 pH	8.11 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			205-917-1	208-96-8						
22		acenaphthene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.29 mg/kg		0.29 mg/kg	0.000029 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.21 mg/kg		0.21 mg/kg	0.000021 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			0.21 mg/kg		0.21 mg/kg	0.000021 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00979 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

**Classification of sample: SD KBR007**


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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.90 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				10 mg/kg		10 mg/kg	0.001 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				15 mg/kg	2.806	42.083 mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				32 mg/kg	1.245	39.831 mg/kg	0.00398 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.53 pH		6.53 pH	6.53 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0172 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: SD KBR008**


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

**Sample details**

Sample name:	LoW Code:	
<b>SD KBR008</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.80 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				9 mg/kg	2.806	25.25 mg/kg	0.00253 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.65 pH		7.65 pH	7.65 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0109 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Appendix A: Classifier defined and non CLP determinands**

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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

- **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015

- **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]  
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: [REDACTED]  
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: [REDACTED]  
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: [REDACTED]  
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: [REDACTED]  
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: [REDACTED] 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: [REDACTED]  
Data source date: 23 Jul 2015  
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

### copper {dicopper oxide; copper (I) oxide}

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

### lead {lead compounds with the exception of those specified elsewhere in this Annex}

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## C.8 PTS HazWasteOnline™ Report

# Waste Classification Report

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

- 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.

## Job name

A66 PTS Topsoil

## Description/Comments

21 topsoil samples taken from around the A66 between Penrith and Temple Sowerby to inform upgrade design works

## Project

A66 NTP

## Site

Penrith to Temple Sowerby

## Classified by

Name: Jennifer Morley  
 Date: 27 Oct 2021 10:52 GMT  
 Telephone: [REDACTED]

Company: Amey  
 Precision House, Off McNeil Drive,  
 Eurocentral  
 Motherwell  
 ML1 4UR

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH PTS003	0.10	Non Hazardous		2
2	BH PTS005	0.20	Non Hazardous		5
3	BH PTS006	0.2	Non Hazardous		8
4	BH PTS009	0.30	Non Hazardous		11
5	BH PTS010	0.30	Non Hazardous		13
6	BH PTS011	0.20	Non Hazardous		15
7	BH PTS012	0.30	Non Hazardous		18
8	BH PTS013	0.30	Non Hazardous		21
9	BH PTS015	0.30	Non Hazardous		24
10	BH PTS019	0.10	Non Hazardous		26
11	BH PTS021	0.15	Non Hazardous		28
12	BH PTS022	0.20	Non Hazardous		31
13	TP PTS001A	0.20	Non Hazardous		34
14	TP PTS009	0.20	Non Hazardous		37
15	TP PTS014	0.20	Non Hazardous		40
16	TP PTS012	0.10	Non Hazardous		43
17	TP PTS013	0.20	Non Hazardous		46
18	TP PTS018	0.20	Non Hazardous		49
19	TP PTS021	0.20	Non Hazardous		51
20	TP PTS023	0.20	Non Hazardous		54
21	WS PTS016	0.20	Non Hazardous		57

## Related documents

#	Name	Description
1	A66 NTP Template	waste stream template used to create this Job


## Report

Created by: Jennifer Morley

Created date: 27 Oct 2021 10:52 GMT

Appendices	Page
<a href="#">Appendix A: Classifier defined and non CLP determinands</a>	60
<a href="#">Appendix B: Rationale for selection of metal species</a>	61
<a href="#">Appendix C: Version</a>	62

## Classification of sample: BH PTS003


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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				46 mg/kg	1.126	51.791 mg/kg	0.00518 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	43 mg/kg		43 mg/kg	0.0043 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				2 mg/kg	2.351	4.702 mg/kg	0.00047 %	✓	
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				62 mg/kg	1.245	77.172 mg/kg	0.00772 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				34 mg/kg		34 mg/kg	0.0034 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.76 pH		7.76 pH	7.76 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-469-6	83-32-9						
23		fluorene			0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
			201-695-5	86-73-7						
24		phenanthrene			0.37 mg/kg		0.37 mg/kg	0.000037 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.42 mg/kg		0.42 mg/kg	0.000042 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.44 mg/kg		0.44 mg/kg	0.000044 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.42 mg/kg		0.42 mg/kg	0.000042 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			0.17 mg/kg		0.17 mg/kg	0.000017 %	✓	
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.41 mg/kg		0.41 mg/kg	0.000041 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.24 mg/kg		0.24 mg/kg	0.000024 %	✓	
			205-883-8	191-24-2						
36		phenol			0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0308 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0034%)

**Classification of sample: BH PTS005**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23 mg/kg		23 mg/kg	0.0023 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				38 mg/kg	1.245	47.299 mg/kg	0.00473 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				28 mg/kg		28 mg/kg	0.0028 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.65 pH		6.65 pH	6.65 pH		
19	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	acenaphthylene		205-917-1	208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	acenaphthene		201-469-6	83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	fluorene		201-695-5	86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8	0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
24	anthracene		204-371-1	120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	fluoranthene		205-912-4	206-44-0	0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
26	pyrene		204-927-3	129-00-0	0.21 mg/kg		0.21 mg/kg	0.000021 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9	0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5	0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2	0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
35	asbestos	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	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0201 %		

- 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
  - ND Not detected
  - 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

---

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0028%)

**Classification of sample: BH PTS006**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		19 mg/kg	0.0019 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				17 mg/kg		17 mg/kg	0.0017 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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										
19		pH			6.1	pH		6.1	pH	6.1 pH		
			PH									
20		naphthalene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8								
22		acenaphthene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9								
23		fluorene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7								
24		phenanthrene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8								
25		anthracene			<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7								
26		fluoranthene			0.08	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-912-4	206-44-0								
27		pyrene			<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0								
28		benzo[a]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3								
29		chrysene			<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			0.06	mg/kg		0.06	mg/kg	0.000006 %	✓	
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			0.05	mg/kg		0.05	mg/kg	0.000005 %	✓	
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2								
36		phenol			<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2								
37		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								
Total:										0.0144 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0017%)

**Classification of sample: BH PTS009**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				25 mg/kg	1.245	31.118 mg/kg	0.00311 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				37 mg/kg		37 mg/kg	0.0037 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.27 pH		6.27 pH	6.27 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			205-912-4	206-44-0						
26	•	pyrene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			204-927-3	129-00-0						
27		benzo[a]anthracene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0124 %		

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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0037%)

**Classification of sample: BH PTS010**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS010</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified

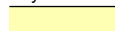



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				17 mg/kg	1.245	21.16 mg/kg	0.00212 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				18 mg/kg		18 mg/kg	0.0018 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.46 pH		6.46 pH	6.46 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
32	•	indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00938 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


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: BH PTS011**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS011</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20 mg/kg		20 mg/kg	0.002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				18 mg/kg	1.245	22.405 mg/kg	0.00224 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.19 pH		6.19 pH	6.19 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.13 mg/kg		0.13 mg/kg	0.000013 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				0.6 mg/kg		0.6 mg/kg	0.00006 %		✓	
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0105 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.001%)

**Classification of sample: BH PTS012**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS012</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		


**Hazard properties**

None identified

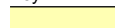
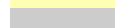


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				12 mg/kg	1.245	14.937 mg/kg	0.00149 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				6 mg/kg		6 mg/kg	0.0006 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.65 pH		6.65 pH	6.65 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00813 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0006%)

**Classification of sample: BH PTS013**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS013</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		15 mg/kg	0.0015 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				22 mg/kg	1.245	27.384 mg/kg	0.00274 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				28 mg/kg		28 mg/kg	0.0028 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			5.96 pH		5.96 pH	5.96 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
		205-912-4	206-44-0								
27	pyrene				0.16 mg/kg		0.16 mg/kg	0.000016 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.12 mg/kg		0.12 mg/kg	0.000012 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0127 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0028%)

**Classification of sample: BH PTS015**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS015</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.30 m</b>		

**Hazard properties**

None identified





**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				20 mg/kg	1.245	24.894 mg/kg	0.00249 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				13 mg/kg		13 mg/kg	0.0013 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			5.81 pH		5.81 pH	5.81 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00942 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

## Classification of sample: BH PTS019

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS019</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

## Hazard properties

None identified

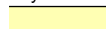



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				9 mg/kg	2.806	25.25 mg/kg	0.00253 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				61 mg/kg	1.245	75.928 mg/kg	0.00759 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.24 pH		6.24 pH	6.24 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0154 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)



**Classification of sample: BH PTS021**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS021</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.15 m</b>		


**Hazard properties**

None identified

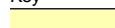
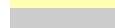


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				19 mg/kg	1.245	23.65 mg/kg	0.00236 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				23 mg/kg		23 mg/kg	0.0023 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.52 pH		7.52 pH	7.52 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		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						
33		indeno[123-cd]pyrene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0115 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0023%)

**Classification of sample: BH PTS022**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS022</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20 mg/kg		20 mg/kg	0.002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.22 pH		6.22 pH	6.22 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.00993 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: TP PTS001A**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS001A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

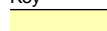
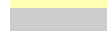


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				9 mg/kg		9 mg/kg	0.0009 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				1 mg/kg	1.142	1.142 mg/kg	0.000114 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	32.154 mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				34 mg/kg	1.126	38.28 mg/kg	0.00383 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	102 mg/kg		102 mg/kg	0.0102 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				87 mg/kg	1.245	108.29 mg/kg	0.0108 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				21 mg/kg		21 mg/kg	0.0021 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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									
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
21		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
22		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
23		phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		201-581-5	85-01-8							
24		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1	120-12-7							
25		fluoranthene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
		205-912-4	206-44-0							
26		pyrene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
		204-927-3	129-00-0							
27		benzo[a]anthracene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
		601-033-00-9	200-280-6 56-55-3							
28		chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
		601-048-00-0	205-923-4 218-01-9							
29		benzo[b]fluoranthene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
		601-034-00-4	205-911-9 205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6 207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
		601-032-00-3	200-028-5 50-32-8							
32		indeno[123-cd]pyrene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		205-893-2	193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8 53-70-3							
34		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8 191-24-2							
35		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7 108-95-2							
36		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							
Total:								0.0372 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0021%)

**Classification of sample: TP PTS009**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

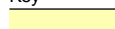
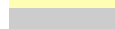


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				14 mg/kg		14 mg/kg	0.0014 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		7.53 pH		7.53 pH	7.53 pH		
19	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	acenaphthylene		205-917-1	208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	acenaphthene		201-469-6	83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	fluorene		201-695-5	86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	anthracene		204-371-1	120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	fluoranthene		205-912-4	206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	pyrene		204-927-3	129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5	0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
35	asbestos	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	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0116 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

---


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: TP PTS014

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS014</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		


## Hazard properties

None identified

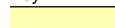
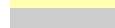


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10 mg/kg		10 mg/kg	0.001 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				15 mg/kg	1.245	18.671 mg/kg	0.00187 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				9 mg/kg		9 mg/kg	0.0009 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.81 pH		6.81 pH	6.81 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00876 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0009%)

**Classification of sample: TP PTS012**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS012</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				27 mg/kg	1.245	33.607 mg/kg	0.00336 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				14 mg/kg		14 mg/kg	0.0014 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.54 pH		6.54 pH	6.54 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<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	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0113 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

**Classification of sample: TP PTS013**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS013</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

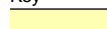
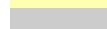


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				22 mg/kg	1.245	27.384 mg/kg	0.00274 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		5.39 pH		5.39 pH	5.39 pH		
19		601-052-00-2 202-049-5	91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene 205-917-1 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21			acenaphthene 201-469-6 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22			fluorene 201-695-5 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23			phenanthrene 201-581-5 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24			anthracene 204-371-1 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25			fluoranthene 205-912-4 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26			pyrene 204-927-3 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27			benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28			chrysene 601-048-00-0 205-923-4 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29			benzo[b]fluoranthene 601-034-00-4 205-911-9 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30			benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31			benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 200-028-5 50-32-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32			indeno[123-cd]pyrene 205-893-2 193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33			dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
34			benzo[ghi]perylene 205-883-8 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
35			asbestos 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		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
Total:								0.0114 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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Hazard Statements hit:


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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)



**Classification of sample: TP PTS018**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS018</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

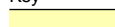



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13 mg/kg		13 mg/kg	0.0013 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				17 mg/kg	1.245	21.16 mg/kg	0.00212 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		5.72 pH		5.72 pH	5.72 pH		
19	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	acenaphthylene		205-917-1	208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	acenaphthene		201-469-6	83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	fluorene		201-695-5	86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	anthracene		204-371-1	120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	fluoranthene		205-912-4	206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	pyrene		204-927-3	129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00795 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: TP PTS021**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS021</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		15 mg/kg	0.0015 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				32 mg/kg		32 mg/kg	0.0032 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.18 pH		6.18 pH	6.18 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		✓	
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.12 mg/kg		0.12 mg/kg	0.000012 %		✓	
		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	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.07 mg/kg		0.07 mg/kg	0.000007 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.013 %		

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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0032%)

## Classification of sample: TP PTS023


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS023</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

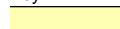



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				17 mg/kg	1.245	21.16 mg/kg	0.00212 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				19 mg/kg		19 mg/kg	0.0019 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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									
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
21		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
22		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
23		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1	120-12-7							
25		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4	206-44-0							
26		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3	129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6 56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4 218-01-9							
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9 205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6 207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5 50-32-8							
32		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8 53-70-3							
34		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8 191-24-2							
35		phenol			19 mg/kg		19 mg/kg	0.0019 %	✓	
		604-001-00-2	203-632-7 108-95-2							
36		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							
Total:								0.013 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---


**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0019%)

**Classification of sample: WS PTS016**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS PTS016</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				1	mg/kg		1	mg/kg	0.0001 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	32.154	mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10	mg/kg		10	mg/kg	0.001 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				12	mg/kg	2.806	33.667	mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				28	mg/kg	1.245	34.852	mg/kg	0.00349 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				100	mg/kg		100	mg/kg	0.01 %	✓	
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.93 pH		7.93 pH	7.93 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0245 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.01%)



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**Appendix A: Classifier defined and non CLP determinands**

---

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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

■ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015■ **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED] 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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

### copper {dicopper oxide; copper (I) oxide}

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

### lead {lead compounds with the exception of those specified elsewhere in this Annex}

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 PTS - Made Ground

## Description/Comments

18 Made Ground samples were taken from around the A66 between Penrith and Temple Sowerby to inform upgrade design.

## Project

A66 NTP

## Site

A66 - Penrith to Temple Sowerby

## Classified by

Name: Jennifer Morley  
 Date: 27 Oct 2021 10:43 GMT  
 Telephone: [REDACTED]

Company: Amey  
 Precision House, Off McNeil Drive,  
 Eurocentral  
 Motherwell  
 ML1 4UR

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH PTS001A	0.40	Hazardous	HP 3(i), HP 7, HP 11	2
2	BH PTS001A[2]	0.70	Hazardous	HP 3(i), HP 7, HP 11	5
3	BH PTS002	0.10	Non Hazardous		8
4	BH PTS008	0.20	Non Hazardous		11
5	BH PTS008[2]	1.20	Non Hazardous		14
6	BH PTS008[3]	2.00	Non Hazardous		16
7	BH PTS017	0.10	Non Hazardous		19
8	BH PTS023	0.10	Non Hazardous		22
9	BH PTS023[2]	0.50	Hazardous	HP 3(i), HP 7, HP 11	25
10	TP PTS003	0.20	Non Hazardous		28
11	TP PTS004	0.20	Non Hazardous		31
12	TP PTS015	0.20	Non Hazardous		34
13	TP PTS016	0.60	Non Hazardous		37
14	TP PTS017	0.20	Non Hazardous		39
15	TP PTS020	0.10	Non Hazardous		42
16	TP PTS022	0.10	Non Hazardous		45
17	TP PTS025	0.20	Non Hazardous		48
18	WS PTS016A	0.20	Non Hazardous		51

## Related documents

#	Name	Description
1	A66 NTP Template	waste stream template used to create this Job

## Report


Created by: Jennifer Morley

Created date: 27 Oct 2021 10:43 GMT

## Appendices

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Appendix A: Classifier defined and non CLP determinands	54
Appendix B: Rationale for selection of metal species	55
Appendix C: Version	56

**Classification of sample: BH PTS001A**



**Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS001A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
<b>0.40 m</b>		

**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** The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils is possible above 1000mg/kg

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.27%)

**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.: 1.27%)

**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.: 1.27%)

**Determinands**

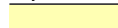




Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	30	mg/kg		30	mg/kg	0.003 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.32	mg/kg		0.32	mg/kg	0.000032 %	✓	
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				10	mg/kg	2.806	28.056	mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				55	mg/kg	1.245	68.459	mg/kg	0.00685 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				12700	mg/kg		12700	mg/kg	1.27 %	✓	
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
18	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											
19	pH				7.89	pH		7.89	pH	7.89 pH		
			PH									
20	naphthalene				35.9	mg/kg		35.9	mg/kg	0.00359 %	✓	
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				4.8	mg/kg		4.8	mg/kg	0.00048 %	✓	
		205-917-1	208-96-8									
22	acenaphthene				147	mg/kg		147	mg/kg	0.0147 %	✓	
		201-469-6	83-32-9									
23	fluorene				152	mg/kg		152	mg/kg	0.0152 %	✓	
		201-695-5	86-73-7									
24	phenanthrene				946	mg/kg		946	mg/kg	0.0946 %	✓	
		201-581-5	85-01-8									
25	anthracene				293	mg/kg		293	mg/kg	0.0293 %	✓	
		204-371-1	120-12-7									
26	fluoranthene				1090	mg/kg		1090	mg/kg	0.109 %	✓	
		205-912-4	206-44-0									
27	pyrene				773	mg/kg		773	mg/kg	0.0773 %	✓	
		204-927-3	129-00-0									
28	benzo[a]anthracene				339	mg/kg		339	mg/kg	0.0339 %	✓	
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				287	mg/kg		287	mg/kg	0.0287 %	✓	
	601-048-00-0	205-923-4	218-01-9									
30	benzo[b]fluoranthene				278	mg/kg		278	mg/kg	0.0278 %	✓	
	601-034-00-4	205-911-9	205-99-2									
31	benzo[k]fluoranthene				110	mg/kg		110	mg/kg	0.011 %	✓	
	601-036-00-5	205-916-6	207-08-9									
32	benzo[a]pyrene; benzo[def]chrysene				262	mg/kg		262	mg/kg	0.0262 %	✓	
	601-032-00-3	200-028-5	50-32-8									
33	indeno[123-cd]pyrene				179	mg/kg		179	mg/kg	0.0179 %	✓	
		205-893-2	193-39-5									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
34	dibenz[a,h]anthracene				34.7 mg/kg		34.7 mg/kg	0.00347 %	✓	
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				154 mg/kg		154 mg/kg	0.0154 %	✓	
		205-883-8	191-24-2							
36	phenol				1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
	604-001-00-2	203-632-7	108-95-2							
37	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							
Total:								1.797 %		

## 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 Determinand - 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: BH PTS001A[2]**


**Hazardous Waste**  
 Classified as **17 05 03 \***  
 in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS001A[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
<b>0.70 m</b>		

**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** The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils is possible above 1000mg/kg

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.53%)

**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.: 1.53%)

**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.: 1.53%)

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %	✓	
	029-002-00-X	215-270-7	1317-39-1							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.92 mg/kg		0.92 mg/kg	0.000092 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				11 mg/kg	2.806	30.861 mg/kg	0.00309 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				37 mg/kg	1.245	46.054 mg/kg	0.00461 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				15300 mg/kg		15300 mg/kg	1.53 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
18	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									
19	pH				8.79 pH		8.79 pH	8.79 pH		
			PH							
20	naphthalene				59.8 mg/kg		59.8 mg/kg	0.00598 %	✓	
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				8.49 mg/kg		8.49 mg/kg	0.000849 %	✓	
		205-917-1	208-96-8							
22	acenaphthene				160 mg/kg		160 mg/kg	0.016 %	✓	
		201-469-6	83-32-9							
23	fluorene				194 mg/kg		194 mg/kg	0.0194 %	✓	
		201-695-5	86-73-7							
24	phenanthrene				982 mg/kg		982 mg/kg	0.0982 %	✓	
		201-581-5	85-01-8							
25	anthracene				324 mg/kg		324 mg/kg	0.0324 %	✓	
		204-371-1	120-12-7							
26	fluoranthene				886 mg/kg		886 mg/kg	0.0886 %	✓	
		205-912-4	206-44-0							
27	pyrene				630 mg/kg		630 mg/kg	0.063 %	✓	
		204-927-3	129-00-0							
28	benzo[a]anthracene				321 mg/kg		321 mg/kg	0.0321 %	✓	
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				256 mg/kg		256 mg/kg	0.0256 %	✓	
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				247 mg/kg		247 mg/kg	0.0247 %	✓	
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				103 mg/kg		103 mg/kg	0.0103 %	✓	
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				255 mg/kg		255 mg/kg	0.0255 %	✓	
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				154 mg/kg		154 mg/kg	0.0154 %	✓	
		205-893-2	193-39-5							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
34	dibenz[a,h]anthracene				30.8 mg/kg		30.8 mg/kg	0.00308 %	✓	
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				125 mg/kg		125 mg/kg	0.0125 %	✓	
		205-883-8	191-24-2							
36	phenol				5 mg/kg		5 mg/kg	0.0005 %	✓	
	604-001-00-2	203-632-7	108-95-2							
37	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								
Total:								2.02 %		

## 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 Determinand - 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: BH PTS002**

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

**Sample details**

Sample name:	<b>BH PTS002</b>	LoW Code:	
Sample Depth:	<b>0.10 m</b>	Chapter:	<b>17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
		Entry:	<b>17 05 04 (Soil and stones other than those mentioned in 17 05 03)</b>

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	21 mg/kg		21 mg/kg	0.0021 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				11 mg/kg	2.806	30.861 mg/kg	0.00309 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				41 mg/kg	1.245	51.033 mg/kg	0.0051 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				22 mg/kg		22 mg/kg	0.0022 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			8.1 pH		8.1 pH	8.1 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.32 mg/kg		0.32 mg/kg	0.000032 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.17 mg/kg		0.17 mg/kg	0.000017 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			0.32 mg/kg		0.32 mg/kg	0.000032 %	✓	
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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						
Total:								0.0187 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0022%)

**Classification of sample: BH PTS008**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS008</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14 mg/kg		14 mg/kg	0.0014 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.95 mg/kg		0.95 mg/kg	0.000095 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				20 mg/kg	2.806	56.111 mg/kg	0.00561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				48 mg/kg	1.245	59.746 mg/kg	0.00597 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group		TPH		594 mg/kg		594 mg/kg	0.0594 %	✓	
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			10.62 pH		10.62 pH	10.62 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		✓	
		205-917-1	208-96-8								
22	acenaphthene				0.21 mg/kg		0.21 mg/kg	0.000021 %		✓	
		201-469-6	83-32-9								
23	fluorene				0.2 mg/kg		0.2 mg/kg	0.00002 %		✓	
		201-695-5	86-73-7								
24	phenanthrene				1.69 mg/kg		1.69 mg/kg	0.000169 %		✓	
		201-581-5	85-01-8								
25	anthracene				0.47 mg/kg		0.47 mg/kg	0.000047 %		✓	
		204-371-1	120-12-7								
26	fluoranthene				4.01 mg/kg		4.01 mg/kg	0.000401 %		✓	
		205-912-4	206-44-0								
27	pyrene				3.33 mg/kg		3.33 mg/kg	0.000333 %		✓	
		204-927-3	129-00-0								
28	benzo[a]anthracene				2.01 mg/kg		2.01 mg/kg	0.000201 %		✓	
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				1.84 mg/kg		1.84 mg/kg	0.000184 %		✓	
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				1.81 mg/kg		1.81 mg/kg	0.000181 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				0.71 mg/kg		0.71 mg/kg	0.000071 %		✓	
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				1.94 mg/kg		1.94 mg/kg	0.000194 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				1.37 mg/kg		1.37 mg/kg	0.000137 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				0.27 mg/kg		0.27 mg/kg	0.000027 %		✓	
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				1.1 mg/kg		1.1 mg/kg	0.00011 %		✓	
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0836 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0594%)



**Classification of sample: BH PTS008[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS008[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	28 mg/kg		28 mg/kg	0.0028 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				44 mg/kg	1.245	54.767 mg/kg	0.00548 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				136 mg/kg		136 mg/kg	0.0136 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•		PH		7.93 pH		7.93 pH	7.93 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•		acenaphthylene		0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
21	•		acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•		fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•		phenanthrene		0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
24	•		anthracene		0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
25	•		fluoranthene		0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
26	•		pyrene		0.31 mg/kg		0.31 mg/kg	0.000031 %	✓	
27		601-033-00-9	200-280-6	56-55-3	0.21 mg/kg		0.21 mg/kg	0.000021 %	✓	
28		601-048-00-0	205-923-4	218-01-9	0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
29		601-034-00-4	205-911-9	205-99-2	0.31 mg/kg		0.31 mg/kg	0.000031 %	✓	
30		601-036-00-5	205-916-6	207-08-9	0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
31		601-032-00-3	200-028-5	50-32-8	0.33 mg/kg		0.33 mg/kg	0.000033 %	✓	
32	•		indeno[123-cd]pyrene		0.26 mg/kg		0.26 mg/kg	0.000026 %	✓	
33		601-041-00-2	200-181-8	53-70-3	0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
34	•		benzo[ghi]perylene		0.23 mg/kg		0.23 mg/kg	0.000023 %	✓	
Total:								0.0286 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0136%)

**Classification of sample: BH PTS008[3]**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS008[3]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.00 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				32 mg/kg	1.126	36.028 mg/kg	0.0036 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	82 mg/kg		82 mg/kg	0.0082 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.58 mg/kg		0.58 mg/kg	0.000058 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				19 mg/kg	2.806	53.306 mg/kg	0.00533 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				58 mg/kg	1.245	72.193 mg/kg	0.00722 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				171 mg/kg		171 mg/kg	0.0171 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			7.92 pH		7.92 pH	7.92 pH		
			PH							
19		naphthalene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-052-00-2	202-049-5	91-20-3						
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	●	acenaphthene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-469-6	83-32-9						
22	●	fluorene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			201-695-5	86-73-7						
23	●	phenanthrene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			201-581-5	85-01-8						
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	●	fluoranthene			0.17 mg/kg		0.17 mg/kg	0.000017 %	✓	
			205-912-4	206-44-0						
26	●	pyrene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			204-927-3	129-00-0						
27		benzo[a]anthracene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
35		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						
Total:								0.047 %		

## 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 Determinand - 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	

## 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

---

Hazard Statements hit:


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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0171%)



**Classification of sample: BH PTS017**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS017</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6 mg/kg	1.462	8.769 mg/kg	0.000877 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14 mg/kg		14 mg/kg	0.0014 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				2 mg/kg	2.806	5.611 mg/kg	0.000561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				15 mg/kg	1.245	18.671 mg/kg	0.00187 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				15 mg/kg		15 mg/kg	0.0015 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.81 pH		6.81 pH	6.81 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.00896 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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


Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0015%)



**Classification of sample: BH PTS023**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS023</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	20.462 mg/kg	0.00205 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				7 mg/kg	1.126	7.881 mg/kg	0.000788 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	38 mg/kg		38 mg/kg	0.0038 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				34 mg/kg	1.245	42.32 mg/kg	0.00423 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				37 mg/kg		37 mg/kg	0.0037 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.27 pH		7.27 pH	7.27 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			201-581-5	85-01-8						
25		anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
			204-371-1	120-12-7						
26		fluoranthene			0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.19 mg/kg		0.19 mg/kg	0.000019 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.15 mg/kg		0.15 mg/kg	0.000015 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0194 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0037%)

**Classification of sample: BH PTS023[2]**



**Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

**Sample details**

Sample name: <b>BH PTS023[2]</b>	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: <b>0.50 m</b>	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** The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils is possible above 1000mg/kg

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.143%)

**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.: 0.143%)

**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.: 0.143%)

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	9 mg/kg		9 mg/kg	0.0009 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				18 mg/kg	1.245	22.405 mg/kg	0.00224 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				1430 mg/kg		1430 mg/kg	0.143 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
18	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									
19	pH				8.55 pH		8.55 pH	8.55 pH		
			PH							
20	naphthalene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
		205-917-1	208-96-8							
22	acenaphthene				1.14 mg/kg		1.14 mg/kg	0.000114 %	✓	
		201-469-6	83-32-9							
23	fluorene				1.06 mg/kg		1.06 mg/kg	0.000106 %	✓	
		201-695-5	86-73-7							
24	phenanthrene				8.82 mg/kg		8.82 mg/kg	0.000882 %	✓	
		201-581-5	85-01-8							
25	anthracene				2.66 mg/kg		2.66 mg/kg	0.000266 %	✓	
		204-371-1	120-12-7							
26	fluoranthene				15.5 mg/kg		15.5 mg/kg	0.00155 %	✓	
		205-912-4	206-44-0							
27	pyrene				12 mg/kg		12 mg/kg	0.0012 %	✓	
		204-927-3	129-00-0							
28	benzo[a]anthracene				6.86 mg/kg		6.86 mg/kg	0.000686 %	✓	
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				7.04 mg/kg		7.04 mg/kg	0.000704 %	✓	
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				8.09 mg/kg		8.09 mg/kg	0.000809 %	✓	
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				2.98 mg/kg		2.98 mg/kg	0.000298 %	✓	
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				7.12 mg/kg		7.12 mg/kg	0.000712 %	✓	
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				4.99 mg/kg		4.99 mg/kg	0.000499 %	✓	
		205-893-2	193-39-5							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
34	dibenz[a,h]anthracene				0.98 mg/kg		0.98 mg/kg	0.000098 %	✓	
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				4.5 mg/kg		4.5 mg/kg	0.00045 %	✓	
		205-883-8	191-24-2							
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
37	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								
Total:								0.16 %		

## 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 Determinand - 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: TP PTS003**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				8 mg/kg		8 mg/kg	0.0008 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	27.021 mg/kg	0.0027 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	40 mg/kg		40 mg/kg	0.004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				71 mg/kg	1.245	88.375 mg/kg	0.00884 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				189 mg/kg		189 mg/kg	0.0189 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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										
19		pH			7.16	pH		7.16	pH	7.16 pH		
			PH									
20		naphthalene			0.08	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			0.03	mg/kg		0.03	mg/kg	0.000003 %	✓	
			205-917-1	208-96-8								
22		acenaphthene			0.13	mg/kg		0.13	mg/kg	0.000013 %	✓	
			201-469-6	83-32-9								
23		fluorene			0.12	mg/kg		0.12	mg/kg	0.000012 %	✓	
			201-695-5	86-73-7								
24		phenanthrene			0.88	mg/kg		0.88	mg/kg	0.000088 %	✓	
			201-581-5	85-01-8								
25		anthracene			0.21	mg/kg		0.21	mg/kg	0.000021 %	✓	
			204-371-1	120-12-7								
26		fluoranthene			2.4	mg/kg		2.4	mg/kg	0.00024 %	✓	
			205-912-4	206-44-0								
27		pyrene			1.94	mg/kg		1.94	mg/kg	0.000194 %	✓	
			204-927-3	129-00-0								
28		benzo[a]anthracene			1.27	mg/kg		1.27	mg/kg	0.000127 %	✓	
		601-033-00-9	200-280-6	56-55-3								
29		chrysene			1.28	mg/kg		1.28	mg/kg	0.000128 %	✓	
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			1.63	mg/kg		1.63	mg/kg	0.000163 %	✓	
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			0.59	mg/kg		0.59	mg/kg	0.000059 %	✓	
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			1.5	mg/kg		1.5	mg/kg	0.00015 %	✓	
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			1.19	mg/kg		1.19	mg/kg	0.000119 %	✓	
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene			0.25	mg/kg		0.25	mg/kg	0.000025 %	✓	
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			1.08	mg/kg		1.08	mg/kg	0.000108 %	✓	
			205-883-8	191-24-2								
36		phenol			<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2								
37		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								
Total:										0.0445 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0189%)

**Classification of sample: TP PTS004**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS004</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	23.644 mg/kg	0.00236 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36 mg/kg		36 mg/kg	0.0036 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				40 mg/kg	1.245	49.789 mg/kg	0.00498 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				18 mg/kg		18 mg/kg	0.0018 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			7.37 pH		7.37 pH	7.37 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.19 mg/kg		0.19 mg/kg	0.000019 %			✓
		205-912-4	206-44-0								
27	pyrene				0.16 mg/kg		0.16 mg/kg	0.000016 %			✓
		204-927-3	129-00-0								
28	benzo[a]anthracene				0.09 mg/kg		0.09 mg/kg	0.000009 %			✓
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				0.12 mg/kg		0.12 mg/kg	0.000012 %			✓
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.13 mg/kg		0.13 mg/kg	0.000013 %			✓
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %			✓
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %			✓
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0216 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0018%)

**Classification of sample: TP PTS015**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS015</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				18 mg/kg		18 mg/kg	0.0018 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.33 pH		6.33 pH	6.33 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.22 mg/kg		0.22 mg/kg	0.000022 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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						
Total:								0.0112 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

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: TP PTS016**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS016</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		

**Hazard properties**

None identified

**Determinands**

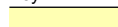



Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				8 mg/kg	1.245	9.958 mg/kg	0.000996 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18		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											
19		pH			6.59	pH		6.59	pH	6.59 pH		
			PH									
20	naphthalene				0.12	mg/kg		0.12	mg/kg	0.000012 %	✓	
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8									
22	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9									
23	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7									
24	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8									
25	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		204-371-1	120-12-7									
26	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		205-912-4	206-44-0									
27	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		204-927-3	129-00-0									
28	benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
30	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
31	benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
32	benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
33	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5									
34	dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
35	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2									
36	phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
Total:										0.0059 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS017**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS017</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				16 mg/kg	1.245	19.915 mg/kg	0.00199 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				17 mg/kg		17 mg/kg	0.0017 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.2 pH		6.2 pH	6.2 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0106 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0017%)

**Classification of sample: TP PTS020**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS020</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		


**Hazard properties**

None identified

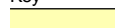



**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17 mg/kg		17 mg/kg	0.0017 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				2 mg/kg	2.806	5.611 mg/kg	0.000561 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				18 mg/kg	1.245	22.405 mg/kg	0.00224 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				21 mg/kg		21 mg/kg	0.0021 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.4 pH		6.4 pH	6.4 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.14 mg/kg		0.14 mg/kg	0.000014 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.0105 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0021%)

**Classification of sample: TP PTS022**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS022</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.10 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				8 mg/kg	1.126	9.007 mg/kg	0.000901 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		15 mg/kg	0.0015 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				51 mg/kg		51 mg/kg	0.0051 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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 %		✓	
	006-007-00-5										
19		pH			6.59 pH		6.59 pH	6.59 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0166 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0051%)

**Classification of sample: TP PTS025**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS025</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14 mg/kg		14 mg/kg	0.0014 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				19 mg/kg	1.245	23.65 mg/kg	0.00236 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				24 mg/kg		24 mg/kg	0.0024 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.48 pH		6.48 pH	6.48 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
			205-912-4	206-44-0						
27		pyrene			0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
			204-927-3	129-00-0						
28		benzo[a]anthracene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-033-00-9	200-280-6	56-55-3					
29		chrysene			0.13 mg/kg		0.13 mg/kg	0.000013 %	✓	
			601-048-00-0	205-923-4	218-01-9					
30		benzo[b]fluoranthene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-034-00-4	205-911-9	205-99-2					
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
32		benzo[a]pyrene; benzo[def]chrysene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
			601-032-00-3	200-028-5	50-32-8					
33		indeno[123-cd]pyrene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			604-001-00-2	203-632-7	108-95-2					
37		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					
Total:								0.0113 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0024%)

**Classification of sample: WS PTS016A**


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

**Sample details**

Sample name:	LoW Code:	
<b>WS PTS016A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

**Hazard properties**

None identified

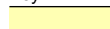



**Determinands**

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.71 mg/kg		0.71 mg/kg	0.000071 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				5 mg/kg		5 mg/kg	0.0005 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			8.08 pH		8.08 pH	8.08 pH			
			PH								
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36		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								
Total:									0.00741 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0005%)



---

**Appendix A: Classifier defined and non CLP determinands**

---

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

Description/Comments: Data from C&amp;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

■ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015■ **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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

### copper {dicopper oxide; copper (I) oxide}

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

### lead {lead compounds with the exception of those specified elsewhere in this Annex}

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# 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.

## Job name

A66 PTS Superficials

## Description/Comments

53 soil samples taken from along the A66 between Penrith and Temple Sowerby. The samples consist 13 clays, 37 sands and 3 gravels

## Project

A66 NTP

## Site

Penrith to Temple Sowerby

## Classified by

Name: Jennifer Morley  
 Date: 17 Nov 2021 10:44 GMT  
 Telephone: [REDACTED]

Company: Amey  
 Precision House, Off McNeil Drive,  
 Eurocentral  
 Motherwell  
 ML1 4UR

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.

<b>HazWasteOnline™ Certification:</b>	-
<b>Course</b>	<b>Date</b>
Hazardous Waste Classification	-

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH PTS002	1.20	Non Hazardous		3
2	BH PTS003	0.50	Non Hazardous		5
3	BH PTS006	0.5	Non Hazardous		7
4	BH PTS007	0.50	Non Hazardous		9
5	BH PTS009	0.50	Non Hazardous		12
6	BH PTS010	0.50	Non Hazardous		14
7	BH PTS011	1.20	Non Hazardous		16
8	BH PTS012	0.50	Non Hazardous		18
9	BH PTS013	1.00	Non Hazardous		20
10	BH PTS014	0.60	Non Hazardous		22
11	BH PTS015	1.00	Non Hazardous		24
12	BH PTS017	0.40	Non Hazardous		26
13	BH PTS017[2]	1.10	Non Hazardous		28
14	BH PTS018	0.60	Non Hazardous		30
15	BH PTS019	0.50	Non Hazardous		32
16	BH PTS019[2]	1.10	Non Hazardous		34
17	BH PTS020	0.50	Non Hazardous		36
18	BH PTS021	0.50	Non Hazardous		38
19	BH PTS022	0.50	Non Hazardous		40
20	BH PTS023	1.20	Hazardous	HP 7, HP 11	42
21	TP PTS001A	1.20	Non Hazardous		45
22	TP PTS003	0.90	Non Hazardous		47
23	TP PTS004B	1.10	Non Hazardous		49
24	TP PTS005	0.40	Non Hazardous		51
25	TP PTS005[2]	2.50	Non Hazardous		53
26	TP PTS006	0.20	Non Hazardous		55
27	TP PTS006[2]	1.00	Non Hazardous		58
28	TP PTS008	0.50	Non Hazardous		60
29	TP PTS008[2]	1.00	Non Hazardous		62
30	TP PTS007	0.50	Non Hazardous		64
31	TP PTS007[2]	1.00	Non Hazardous		66
32	TP PTS009	0.50	Non Hazardous		68
33	TP PTS010	0.50	Non Hazardous		70
34	TP PTS010[2]	1.35	Non Hazardous		72

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
35	TP PTS012	0.40	Non Hazardous		74
36	TP PTS014	2.00	Non Hazardous		76
37	TP PTS015	1.80	Non Hazardous		78
38	TP PTS016	1.50	Non Hazardous		80
39	TP PTS017	1.80	Non Hazardous		82
40	TP PTS018	1.20	Non Hazardous		84
41	TP PTS019	0.60	Non Hazardous		86
42	TP PTS019[2]	2.20	Non Hazardous		89
43	TP PTS021	1.50	Non Hazardous		91
44	TP PTS020	0.60	Non Hazardous		93
45	TP PTS022	1.50	Non Hazardous		95
46	TP PTS023	1.20	Non Hazardous		97
47	TP PTS024	0.60	Non Hazardous		99
48	TP PTS024[2]	2.50	Non Hazardous		101
49	TP PTS025	1.20	Non Hazardous		103
50	TP PTS026	0.60	Non Hazardous		105
51	TP PTS027	0.50	Non Hazardous		107
52	TP PTS027[2]	1.20	Non Hazardous		110
53	WS PTS016	0.50	Non Hazardous		112

#### Related documents

#	Name	Description
1	A66 NTP Template	waste stream template used to create this Job


#### Report

Created by: Jennifer Morley

Created date: 17 Nov 2021 10:44 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	114
Appendix B: Rationale for selection of metal species	115
Appendix C: Version	116

## Classification of sample: BH PTS002


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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

## Hazard properties

None identified

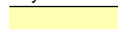



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		7 mg/kg	0.0007 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				25 mg/kg	1.245	31.118 mg/kg	0.00311 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.92 pH		8.92 pH	8.92 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0124 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



## Classification of sample: BH PTS003

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

## Determinands

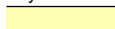



Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	22 mg/kg		22 mg/kg	0.0022 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.54 mg/kg		0.54 mg/kg	0.000054 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				10 mg/kg	2.806	28.056 mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				37 mg/kg	1.245	46.054 mg/kg	0.00461 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				16 mg/kg		16 mg/kg	0.0016 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
18	•	pH			8.3	pH		8.3	pH	8.3 pH		
			PH									
19		naphthalene			<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3								
20	•	acenaphthylene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8								
21	•	acenaphthene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9								
22	•	fluorene			<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7								
23	•	phenanthrene			0.07	mg/kg		0.07	mg/kg	0.000007 %	✓	
			201-581-5	85-01-8								
24	•	anthracene			<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7								
25	•	fluoranthene			0.18	mg/kg		0.18	mg/kg	0.000018 %	✓	
			205-912-4	206-44-0								
26	•	pyrene			0.15	mg/kg		0.15	mg/kg	0.000015 %	✓	
			204-927-3	129-00-0								
27		benzo[a]anthracene			0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-033-00-9	200-280-6	56-55-3								
28		chrysene			0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-048-00-0	205-923-4	218-01-9								
29		benzo[b]fluoranthene			0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-034-00-4	205-911-9	205-99-2								
30		benzo[k]fluoranthene			<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9								
31		benzo[a]pyrene; benzo[def]chrysene			0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		601-032-00-3	200-028-5	50-32-8								
32	•	indeno[123-cd]pyrene			0.07	mg/kg		0.07	mg/kg	0.000007 %	✓	
			205-893-2	193-39-5								
33		dibenz[a,h]anthracene			<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3								
34	•	benzo[ghi]perylene			0.06	mg/kg		0.06	mg/kg	0.000006 %	✓	
			205-883-8	191-24-2								
Total:										0.0163 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0016%)

## Classification of sample: BH PTS006


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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.5 m</b>		

## Hazard properties

None identified

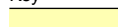



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				19 mg/kg	1.245	23.65 mg/kg	0.00236 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	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							
13	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
16	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	•	pH			6.52 pH		6.52 pH	6.52 pH		
18		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
19	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
20	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
21	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
22	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
23	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
24	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
25	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
26		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-033-00-9	200-280-6	56-55-3					
27		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			601-048-00-0	205-923-4	218-01-9					
28		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			601-034-00-4	205-911-9	205-99-2					
29		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6	207-08-9					
30		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-032-00-3	200-028-5	50-32-8					
31	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
32		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-041-00-2	200-181-8	53-70-3					
33	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.00675 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: BH PTS007**


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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				7 mg/kg	1.126	7.881 mg/kg	0.000788 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				33 mg/kg	1.245	41.076 mg/kg	0.00411 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				5 mg/kg		5 mg/kg	0.0005 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			6.52 pH		6.52 pH	6.52 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0154 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0005%)

## Classification of sample: BH PTS009

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

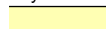



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				7 mg/kg	1.126	7.881 mg/kg	0.000788 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11 mg/kg		11 mg/kg	0.0011 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				32 mg/kg	1.245	39.831 mg/kg	0.00398 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				12 mg/kg		12 mg/kg	0.0012 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.43 pH		6.43 pH	6.43 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
26	•	pyrene			0.09 mg/kg		0.09 mg/kg	0.000009 %	✓	
27		benzo[a]anthracene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
28		chrysene			0.08 mg/kg		0.08 mg/kg	0.000008 %	✓	
29		benzo[b]fluoranthene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			0.07 mg/kg		0.07 mg/kg	0.000007 %	✓	
32	•	indeno[123-cd]pyrene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0124 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:


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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0012%)



## Classification of sample: BH PTS010


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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS010</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				15 mg/kg	1.245	18.671 mg/kg	0.00187 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.73 pH		6.73 pH	6.73 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			0.05 mg/kg		0.05 mg/kg	0.000005 %	✓	
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			0.04 mg/kg		0.04 mg/kg	0.000004 %	✓	
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00822 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: BH PTS011**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS011</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				14 mg/kg	1.245	17.426 mg/kg	0.00174 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.34 pH		6.34 pH	6.34 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00773 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: BH PTS012

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS012</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				11 mg/kg	1.245	13.692 mg/kg	0.00137 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.78 pH		6.78 pH	6.78 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00752 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

**Classification of sample: BH PTS013**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS013</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.96 pH		6.96 pH	6.96 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00669 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



**Classification of sample: BH PTS014**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS014</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		


**Hazard properties**

None identified

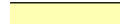



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.64 pH		6.64 pH	6.64 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00774 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: BH PTS015

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS015</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				11 mg/kg	1.245	13.692 mg/kg	0.00137 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.28 pH		6.28 pH	6.28 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00671 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: BH PTS017**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS017</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.40 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				8 mg/kg	1.245	9.958 mg/kg	0.000996 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.69 pH		6.69 pH	6.69 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00514 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: BH PTS017[2]

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS017[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.10 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				1 mg/kg		1 mg/kg	0.0001 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				6 mg/kg	1.245	7.468 mg/kg	0.000747 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.7 pH		6.7 pH	6.7 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00433 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



**Classification of sample: BH PTS018**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS018</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		


**Hazard properties**

None identified

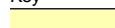
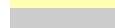


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<LOD
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				7 mg/kg	1.245	8.713 mg/kg	0.000871 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.48 pH		6.48 pH	6.48 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00626 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH PTS019**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS019</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

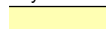



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	15 mg/kg		15 mg/kg	0.0015 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				55 mg/kg	1.245	68.459 mg/kg	0.00685 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				9 mg/kg		9 mg/kg	0.0009 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.19 pH		6.19 pH	6.19 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	•	phenanthrene			0.03 mg/kg		0.03 mg/kg	0.000003 %	✓	
			201-581-5							
			85-01-8							
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29		benzo[b]fluoranthene			0.06 mg/kg		0.06 mg/kg	0.000006 %	✓	
		601-034-00-4	205-911-9							
			205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.014 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0009%)

## Classification of sample: BH PTS019[2]

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

## Sample details

Sample name:	LoW Code:	
<b>BH PTS019[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.10 m</b>		

## Hazard properties

None identified

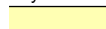



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				50 mg/kg	1.245	62.236 mg/kg	0.00622 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				5 mg/kg		5 mg/kg	0.0005 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.2 pH		6.2 pH	6.2 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.013 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0005%)

**Classification of sample: BH PTS020**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS020</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**


Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.22 pH		6.22 pH	6.22 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00622 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



**Classification of sample: BH PTS021**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS021</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				10 mg/kg	1.245	12.447 mg/kg	0.00124 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.44 pH		7.44 pH	7.44 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00637 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH PTS022**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH PTS022</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified

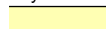



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				11 mg/kg	1.245	13.692 mg/kg	0.00137 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				28 mg/kg		28 mg/kg	0.0028 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.5 pH		6.5 pH	6.5 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0103 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0028%)

**Classification of sample: BH PTS023**



**Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>BH PTS023</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>1.20 m</b>	Entry:
	17 05 03 * (Soil and stones containing hazardous substances)

**Hazard properties**

**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.: 0.167%)

**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.: 0.167%)

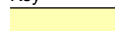




**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	15.762 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		7 mg/kg	0.0007 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.38 mg/kg		0.38 mg/kg	0.000038 %	✓	
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				1670 mg/kg		1670 mg/kg	0.167 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
18	pH				9.17 pH		9.17 pH	9.17 pH		
			PH							
19	naphthalene				0.47 mg/kg		0.47 mg/kg	0.000047 %	✓	
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.68 mg/kg		0.68 mg/kg	0.000068 %	✓	
		205-917-1	208-96-8							
21	acenaphthene				2.47 mg/kg		2.47 mg/kg	0.000247 %	✓	
		201-469-6	83-32-9							
22	fluorene				2.12 mg/kg		2.12 mg/kg	0.000212 %	✓	
		201-695-5	86-73-7							
23	phenanthrene				19.5 mg/kg		19.5 mg/kg	0.00195 %	✓	
		201-581-5	85-01-8							
24	anthracene				6.13 mg/kg		6.13 mg/kg	0.000613 %	✓	
		204-371-1	120-12-7							
25	fluoranthene				41.9 mg/kg		41.9 mg/kg	0.00419 %	✓	
		205-912-4	206-44-0							
26	pyrene				31 mg/kg		31 mg/kg	0.0031 %	✓	
		204-927-3	129-00-0							
27	benzo[a]anthracene				18.1 mg/kg		18.1 mg/kg	0.00181 %	✓	
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				17.9 mg/kg		17.9 mg/kg	0.00179 %	✓	
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				20.5 mg/kg		20.5 mg/kg	0.00205 %	✓	
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				6.95 mg/kg		6.95 mg/kg	0.000695 %	✓	
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				17.2 mg/kg		17.2 mg/kg	0.00172 %	✓	
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				12.1 mg/kg		12.1 mg/kg	0.00121 %	✓	
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				2.53 mg/kg		2.53 mg/kg	0.000253 %	✓	
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				10.5 mg/kg		10.5 mg/kg	0.00105 %	✓	
		205-883-8	191-24-2							
Total:								0.197 %		

## 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 Determinand - 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

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.167%)

## Classification of sample: TP PTS001A

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS001A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				10 mg/kg	2.806	28.056 mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				22 mg/kg	1.245	27.384 mg/kg	0.00274 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene	205-917-1		208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene	201-469-6		83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	fluorene	201-695-5		86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	phenanthrene	201-581-5		85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	anthracene	204-371-1		120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
24	fluoranthene	205-912-4		206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
25	pyrene	204-927-3		129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
26	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
28	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	indeno[123-cd]pyrene	205-893-2		193-39-5	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene	205-883-8		191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.013 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



## Classification of sample: TP PTS003


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.90 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				13 mg/kg		13 mg/kg	0.0013 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	21.392 mg/kg	0.00214 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		19 mg/kg	0.0019 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				18 mg/kg	2.806	50.5 mg/kg	0.00505 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				41 mg/kg	1.245	51.033 mg/kg	0.0051 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.93 pH		6.93 pH	6.93 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.02 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP PTS004B


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS004B</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.10 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	27 mg/kg		27 mg/kg	0.0027 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				10 mg/kg	2.806	28.056 mg/kg	0.00281 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.8 pH		7.8 pH	7.8 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0154 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP PTS005**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS005</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.40 m</b>		

**Hazard properties**

None identified

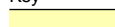



**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				6 mg/kg		6 mg/kg	0.0006 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	13.511 mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				35 mg/kg	1.245	43.565 mg/kg	0.00436 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				11 mg/kg		11 mg/kg	0.0011 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.64 pH		6.64 pH	6.64 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0164 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0011%)

**Classification of sample: TP PTS005[2]**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS005[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.50 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6 mg/kg	1.462	8.769 mg/kg	0.000877 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	2 mg/kg		2 mg/kg	0.0002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				8 mg/kg	1.245	9.958 mg/kg	0.000996 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			8.85 pH		8.85 pH	8.85 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.00471 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP PTS006


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20 mg/kg		20 mg/kg	0.002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				32 mg/kg	1.245	39.831 mg/kg	0.00398 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				14 mg/kg		14 mg/kg	0.0014 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			5.47 pH		5.47 pH	5.47 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		✓	
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		✓	
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		✓	
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		✓	
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.0147 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

**Classification of sample: TP PTS006[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS006[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				5 mg/kg		5 mg/kg	0.0005 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				14 mg/kg	2.806	39.278 mg/kg	0.00393 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.68 pH		6.68 pH	6.68 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0127 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: TP PTS008

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS008</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		


## Hazard properties

None identified

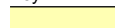
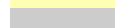


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				11 mg/kg	1.245	13.692 mg/kg	0.00137 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			6.9 pH		6.9 pH	6.9 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		phenol			<0.2 mg/kg		<0.2 mg/kg	<0.000002 %		<LOD
		604-001-00-2	203-632-7	108-95-2						
37		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						
Total:								0.00757 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



## Classification of sample: TP PTS008[2]

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS008[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		7 mg/kg	0.0007 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				13 mg/kg	1.245	16.181 mg/kg	0.00162 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.6 pH		6.6 pH	6.6 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00703 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS007**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS007</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				14	mg/kg		14	mg/kg	0.0014 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.9	mg/kg	1.142	1.028	mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	32.154	mg/kg	0.00322 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		16	mg/kg	0.0016 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17	mg/kg		<0.17	mg/kg	<0.000017 %		<LOD
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				17	mg/kg	2.806	47.695	mg/kg	0.00477 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				38	mg/kg	1.245	47.299	mg/kg	0.00473 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●				6.7 pH		6.7 pH	6.7 pH		
			PH							
19		601-052-00-2	202-049-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			91-20-3							
20	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	●				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	●				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28					<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29					<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30					<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33					<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.0181 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS007[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS007[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.00 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic }				12	mg/kg		12	mg/kg	0.0012 %	✓	
	033-001-00-X	231-148-6	7440-38-2									
2	boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.9	mg/kg	1.142	1.028	mg/kg	0.000103 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	10	mg/kg		10	mg/kg	0.001 %	✓	
	082-001-00-6											
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17	mg/kg		<0.17	mg/kg	<0.000017 %		<LOD
	080-002-00-6											
9	nickel { dinickel hexacyanoferrate }				15	mg/kg	2.806	42.083	mg/kg	0.00421 %	✓	
	028-037-00-8	238-946-3	14874-78-3									
10	selenium { nickel(II) selenite }				<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9									
11	zinc { zinc oxide }				40	mg/kg	1.245	49.789	mg/kg	0.00498 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
12	TPH (C6 to C40) petroleum group				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			TPH									
13	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									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•		PH		6.65 pH		6.65 pH	6.65 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•		acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•		acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•		fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•		phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•		anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•		fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•		pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-033-00-9	200-280-6						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
			601-048-00-0	205-923-4						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			601-034-00-4	205-911-9						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			601-036-00-5	205-916-6						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
			601-032-00-3	200-028-5						
32	•		indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33			dibenz[a,h]anthracene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			601-041-00-2	200-181-8						
34	•		benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0167 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: TP PTS009

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS009</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				18 mg/kg	1.245	22.405 mg/kg	0.00224 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.37 pH		7.37 pH	7.37 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00673 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification



**Classification of sample: TP PTS010**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS010</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	3 mg/kg		3 mg/kg	0.0003 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				10 mg/kg	1.245	12.447 mg/kg	0.00124 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●				6.14 pH		6.14 pH	6.14 pH		
			PH							
19		601-052-00-2	202-049-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			91-20-3							
20	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	●				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	●				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28					<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29					<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30					<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33					<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.00615 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS010[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS010[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.35 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				4 mg/kg		4 mg/kg	0.0004 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				17 mg/kg	1.245	21.16 mg/kg	0.00212 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			7.91 pH		7.91 pH	7.91 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5							
			91-20-3							
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33		dibenz[a,h]anthracene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.00761 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP PTS012**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS012</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.40 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				19 mg/kg	1.245	23.65 mg/kg	0.00236 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				7 mg/kg		7 mg/kg	0.0007 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.57 pH		6.57 pH	6.57 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00833 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0007%)

**Classification of sample: TP PTS014**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS014</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.00 m</b>		

**Hazard properties**

None identified





**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	9 mg/kg		9 mg/kg	0.0009 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				18 mg/kg	1.245	22.405 mg/kg	0.00224 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				8 mg/kg		8 mg/kg	0.0008 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.95 pH		6.95 pH	6.95 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00917 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:


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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0008%)



## Classification of sample: TP PTS015

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS015</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.80 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5 mg/kg	1.462	7.308 mg/kg	0.000731 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	3 mg/kg		3 mg/kg	0.0003 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				3 mg/kg	2.806	8.417 mg/kg	0.000842 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				6 mg/kg	1.245	7.468 mg/kg	0.000747 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			6.28 pH		6.28 pH	6.28 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00394 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS016**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS016</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	033-001-00-X	231-148-6	7440-38-2								
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		✓	
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %		✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %		✓	
	082-001-00-6										
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %			<LOD
	080-002-00-6										
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %		✓	
	028-037-00-8	238-946-3	14874-78-3								
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %			<LOD
	028-048-00-8	233-263-7	10101-96-9								
11	zinc { zinc oxide }				11 mg/kg	1.245	13.692 mg/kg	0.00137 %		✓	
	030-013-00-7	215-222-5	1314-13-2								
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			TPH								
13	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								
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.43 pH		6.43 pH	6.43 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00713 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: TP PTS017**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS017</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.80 m</b>		

**Hazard properties**

None identified





**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group		TPH		2 mg/kg		2 mg/kg	0.0002 %	✓	
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.33 pH		6.33 pH	6.33 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00669 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

**Classification of sample: TP PTS018**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS018</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				12 mg/kg	1.245	14.937 mg/kg	0.00149 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●	pH			8.13 pH		8.13 pH	8.13 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	●	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	●	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	●	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	●	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	●	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	●	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	●	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	●	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00681 %		

## 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



**Classification of sample: TP PTS019**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS019</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				10 mg/kg	1.245	12.447 mg/kg	0.00124 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				3 mg/kg		3 mg/kg	0.0003 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18		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								
19		pH			7.37 pH		7.37 pH	7.37 pH		
			PH							
20		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
21		acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
22		acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
23		fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
24		phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
25		anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
26		fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
27		pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
28		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
29		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
30		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
31		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
32		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
33		indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
34		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
35		benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
36		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						
Total:								0.00718 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0003%)

**Classification of sample: TP PTS019[2]**



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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS019[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				8 mg/kg	2.806	22.445 mg/kg	0.00224 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				16 mg/kg	1.245	19.915 mg/kg	0.00199 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				1 mg/kg		1 mg/kg	0.0001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.82 pH		6.82 pH	6.82 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.00821 %		

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
- ND** Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

## Classification of sample: TP PTS021


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS021</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50 m</b>		

## Hazard properties

None identified

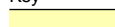



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				4 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				12 mg/kg	1.245	14.937 mg/kg	0.00149 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.45 pH		6.45 pH	6.45 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.00702 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: TP PTS020

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS020</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8 mg/kg	1.462	11.692 mg/kg	0.00117 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4 mg/kg		4 mg/kg	0.0004 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				5 mg/kg	2.806	14.028 mg/kg	0.0014 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				8 mg/kg	1.245	9.958 mg/kg	0.000996 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.64 pH		6.64 pH	6.64 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1	120-12-7							
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4	206-44-0							
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3	129-00-0							
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
Total:								0.00529 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP PTS022


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS022</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				14 mg/kg	1.245	17.426 mg/kg	0.00174 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			6.79 pH		6.79 pH	6.79 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
35		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						
Total:								0.00864 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP PTS023**


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

**Sample details**

Sample name:	LoW Code:	
<b>TP PTS023</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

**Hazard properties**

None identified

**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5 mg/kg	1.462	7.308 mg/kg	0.000731 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<LOD
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	2 mg/kg		2 mg/kg	0.0002 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				<1 mg/kg	2.806	<2.806 mg/kg	<0.000281 %		<LOD
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				<5 mg/kg	1.245	<6.224 mg/kg	<0.000622 %		<LOD
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene	205-917-1		208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene	201-469-6		83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	fluorene	201-695-5		86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	phenanthrene	201-581-5		85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	anthracene	204-371-1		120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
24	fluoranthene	205-912-4		206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
25	pyrene	204-927-3		129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
26	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
28	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	indeno[123-cd]pyrene	205-893-2		193-39-5	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene	205-883-8		191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00304 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: TP PTS024

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS024</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7 mg/kg	1.462	10.231 mg/kg	0.00102 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2 mg/kg	1.126	2.252 mg/kg	0.000225 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7 mg/kg		7 mg/kg	0.0007 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				4 mg/kg	2.806	11.222 mg/kg	0.00112 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				10 mg/kg	1.245	12.447 mg/kg	0.00124 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				4 mg/kg		4 mg/kg	0.0004 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		6.98 pH		6.98 pH	6.98 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.00571 %		

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
- ND Not detected
- 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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

## Classification of sample: TP PTS024[2]

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS024[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.50 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				7 mg/kg	1.126	7.881 mg/kg	0.000788 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				11 mg/kg	2.806	30.861 mg/kg	0.00309 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				16 mg/kg	1.245	19.915 mg/kg	0.00199 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.5 pH		7.5 pH	7.5 pH		
			PH							
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3						
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8						
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9						
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7						
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8						
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7						
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0						
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0						
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5						
33		dibenz[a,h]anthracene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2						
Total:								0.0101 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP PTS025

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS025</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

## Hazard properties

None identified

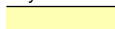



## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				1 mg/kg		1 mg/kg	0.0001 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				9 mg/kg	1.126	10.133 mg/kg	0.00101 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				13 mg/kg	2.806	36.472 mg/kg	0.00365 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				17 mg/kg	1.245	21.16 mg/kg	0.00212 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				1 mg/kg		1 mg/kg	0.0001 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18			PH		7.42 pH		7.42 pH	7.42 pH		
19		601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20			acenaphthylene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1		208-96-8						
21			acenaphthene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6		83-32-9						
22			fluorene		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5		86-73-7						
23			phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5		85-01-8						
24			anthracene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-371-1		120-12-7						
25			fluoranthene		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
		205-912-4		206-44-0						
26			pyrene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		204-927-3		129-00-0						
27			benzo[a]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3						
28			chrysene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9						
29			benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2						
30			benzo[k]fluoranthene		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9						
31			benzo[a]pyrene; benzo[def]chrysene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8						
32			indeno[123-cd]pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2		193-39-5						
33			dibenz[a,h]anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3						
34			benzo[ghi]perylene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8		191-24-2						
Total:								0.0117 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

## Classification of sample: TP PTS026


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS026</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				2 mg/kg		2 mg/kg	0.0002 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	5 mg/kg		5 mg/kg	0.0005 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				9 mg/kg	2.806	25.25 mg/kg	0.00253 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				14 mg/kg	1.245	17.426 mg/kg	0.00174 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthylene		205-917-1	208-96-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	acenaphthene		201-469-6	83-32-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	fluorene		201-695-5	86-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	phenanthrene		201-581-5	85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	anthracene		204-371-1	120-12-7	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
24	fluoranthene		205-912-4	206-44-0	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
25	pyrene		204-927-3	129-00-0	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
26	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27	chrysene	601-048-00-0	205-923-4	218-01-9	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
28	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00791 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

## Classification of sample: TP PTS027


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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS027</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

## Hazard properties

None identified

## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				3 mg/kg		3 mg/kg	0.0003 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5 mg/kg	1.126	5.629 mg/kg	0.000563 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		18 mg/kg	0.0018 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				7 mg/kg	2.806	19.639 mg/kg	0.00196 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				29 mg/kg	1.245	36.097 mg/kg	0.00361 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				9 mg/kg		9 mg/kg	0.0009 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]								
18		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										
19		pH			5.91 pH		5.91 pH	5.91 pH			
			PH								
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
		204-927-3	129-00-0								
28	benzo[a]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
36	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
37	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								
Total:									0.013 %		

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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Supplementary Hazardous Property Information**

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**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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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


Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0009%)



## Classification of sample: TP PTS027[2]

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

## Sample details

Sample name:	LoW Code:	
<b>TP PTS027[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.20 m</b>		

## Hazard properties

None identified


## Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				7 mg/kg		7 mg/kg	0.0007 %	✓	
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				6 mg/kg	1.126	6.755 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6 mg/kg		6 mg/kg	0.0006 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				12 mg/kg	2.806	33.667 mg/kg	0.00337 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				21 mg/kg	1.245	26.139 mg/kg	0.00261 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	●				6.4 pH		6.4 pH	6.4 pH		
			PH							
19		601-052-00-2	202-049-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			91-20-3							
20	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			205-917-1							
			208-96-8							
21	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-469-6							
			83-32-9							
22	●				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5							
			86-73-7							
23	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5							
			85-01-8							
24	●				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			204-371-1							
			120-12-7							
25	●				<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
			205-912-4							
			206-44-0							
26	●				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
			204-927-3							
			129-00-0							
27					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6							
			56-55-3							
28					<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4							
			218-01-9							
29					<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9							
			205-99-2							
30					<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6							
			207-08-9							
31					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5							
			50-32-8							
32	●				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-893-2							
			193-39-5							
33					<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8							
			53-70-3							
34	●				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8							
			191-24-2							
Total:								0.0111 %		

## 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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

**Classification of sample: WS PTS016**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS PTS016</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.50 m</b>		

**Hazard properties**

None identified


**Determinands**

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic }				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	033-001-00-X	231-148-6	7440-38-2							
2	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %	✓	
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				3 mg/kg	1.126	3.378 mg/kg	0.000338 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	3 mg/kg		3 mg/kg	0.0003 %	✓	
	082-001-00-6									
8	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.17 mg/kg		<0.17 mg/kg	<0.000017 %		<LOD
	080-002-00-6									
9	nickel { dinickel hexacyanoferrate }				6 mg/kg	2.806	16.833 mg/kg	0.00168 %	✓	
	028-037-00-8	238-946-3	14874-78-3							
10	selenium { nickel(II) selenite }				<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
	028-048-00-8	233-263-7	10101-96-9							
11	zinc { zinc oxide }				9 mg/kg	1.245	11.202 mg/kg	0.00112 %	✓	
	030-013-00-7	215-222-5	1314-13-2							
12	TPH (C6 to C40) petroleum group				2 mg/kg		2 mg/kg	0.0002 %	✓	
			TPH							
13	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							
14	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
18	•	pH			7.72 pH		7.72 pH	7.72 pH		
19		naphthalene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	•	acenaphthene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	•	fluorene			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	•	phenanthrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	•	anthracene			<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25	•	fluoranthene			<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26	•	pyrene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene			<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene			<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.00595 %		

## 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
ND	Not detected
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** The risk phrase HP 3 (i) Flammable is unlikely to apply to this waste stream. This is due to the solid soil and natural moisture content of the sample. The concentration required to provide a flammability risk is likely to be >10,000mg. This risk of flammability from solid state soils <1000mg/kg TPH is negligible and has been deemed non-hazardous if below this concentration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

## Appendix A: Classifier defined and non CLP determinands

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

CLP index number: 033-001-00-X

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

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

### 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

### lead compounds with the exception of those specified elsewhere in this Annex

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers many simple lead compounds to be Carcinogenic category 2

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium [www.reach-lead.eu/substanceinformation.html](http://www.reach-lead.eu/substanceinformation.html). Review date 29/09/2015

### 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

### pH (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database

Data source: ████████████████████

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: ████████████████████

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: ████████████████████

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic}

arsenic could be present on agricultural land due to application of insecticide/wood preservative.

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

### 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 (edit as required)

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead compounds with the exception of those specified elsewhere in this Annex}**

Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.

**mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}**

Reasonable worst-case compound as the sites have a very limited industrial history.

**nickel {dinickel hexacyanoferrate}**

Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.

**selenium {nickel(II) selenite}**

nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

**zinc {zinc oxide}**

Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## D Final Factual Report

**Structural Soils Limited.** A66 Northern Trans-Pennine. Factual Report on Ground Investigation. Package B: M6 Junction 40 (Skirsgill Interchange) to Temple Sowerby. October 2021.

Issued under separate cover.



A66 Northern Trans-Pennine

**Ground Investigation Report  
Package C Stephen Bank to  
Carkin Moor and A1(M) Scotch  
Corner**

GDMS No.33031

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# 1 Introduction

## 1.1 Scope and Objectives of the Report

- 1.1.1 As part of the Roads Investment Strategy 2, the United Kingdom Government Department for Transport has provided funding to further develop the business case for dualling the remaining single carriageway sections of the A66 and making other improvements along its length. National Highways (formerly Highways England) is responsible for development of this scheme, subsequently referred to as the A66 Northern Trans-Pennine Project (A66-NTP).
- 1.1.2 National Highways are progressing the project in accordance with their Project Control Framework (PCF) and have appointed an Amey Arup Joint Venture (Amey/Arup) to progress the project through PCF Stage 3.
- 1.1.3 A key deliverable for PCF Stage 3 is a Ground Investigation Report (GIR). Requirements for its contents are given in CD622 Managing Geotechnical Risk [1].
- 1.1.4 The GIR reports on part of the geotechnical design process as set out in Eurocode 7 [2][3][4][5]. It forms part of the Geotechnical Design Report (GDR) and in particular reports on the results of the geotechnical investigation. The geotechnical investigation commenced with the Statement of Intent (SOI) and the Preliminary Sources Study Report (PSSR) defined in CD622 [1], followed by the Ground Investigation Scoping Reports (GISR). This report, the GIR, makes reference to the PSSR [6].

## 1.2 Brief Discussion of the Project

- 1.2.1 The preferred route alignment for the project is defined in a National Highways publication dated Spring 2020, entitled A66 Northern Trans-Pennine Project Preferred Route Announcement [7]. Some relevant content from this publication is given below to provide background and context to this current report.
- 1.2.2 National Highways has been commissioned by the Department for Transport (DfT) to investigate the potential to improve the A66 between M6 junction 40 at Penrith and the A1(M) at Scotch Corner, which is a corridor of 50 miles. This is in order to address the lack of east/west connectivity across the Pennines in the north of England.
- 1.2.3 The project is defined as a Nationally Significant Infrastructure Project in terms of the Planning Act 2008. Consequently, a Development Consent Order (DCO) will be required to proceed to construction.
- 1.2.4 Figure 1 below provides an overview of the whole route corridor. Within this, several separate packages (A, B, C and D) are being developed by Amey/Arup. Together, these package proposals will provide the basis for the DCO submission. The GIR for each package is a required deliverable for the DCO application.
- 1.2.5 This particular GIR is focussed on package C, which is further divided into schemes 9 (Stephen Bank to Carkin Moor) and 11 (A1(M) Scotch Corner). The proposed alignments have been developed from the route options presented within the PSSR [6] following design development and external consultation during PCF Stage 3. Despite changes to the proposed route alignment, the PSSR is still considered to be relevant. Where necessary, the PSSR information has been supplemented in chapter 2 of this report.
- 1.2.6 This GIR is based on design freeze E however; site works were specified and executed based on design freeze C/D. Where subsequent alignment changes were developed, the existing ground investigation has been used to the extent that it is relevant, however future targeted ground investigation will be required in areas not fully covered by this report.
- 1.2.7 Package C extends from Stephen Bank in the west to Carkin Moor, some 5km to the east and also includes minor works at the A1(M) Scotch Corner junction. For development, this report structure is matched to those on a scheme by scheme basis. Drawings showing the proposed alignments of schemes 9 and 11 are provided in Appendix A.



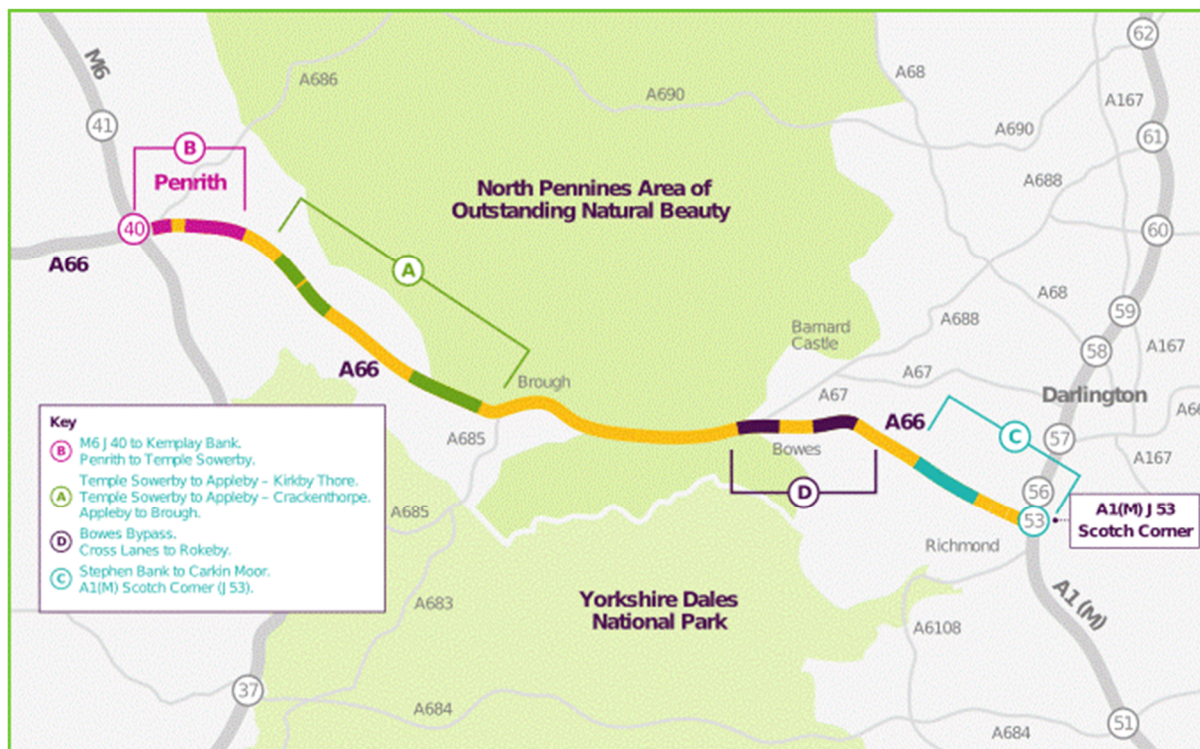


Figure 1 A66 Northern Trans-Pennine Corridor and Packages

- 1.2.8 Scheme 9 of the proposed alignment will comprise a new dual carriageway section between Stephen Bank and Carkin Moor Farm. The new dual carriageway will be to the north of the existing A66 and the properties at Fox Hall and Mainsgill Farm, re-joining the existing A66 alignment after Mainsgill Farm. A new accommodation underpass will be provided to the north of Dick Scot Lane to allow access to land to the north of the new A66 alignment. The existing A66 will be de-trunked and will be used as a collector road for local access. An overbridge is proposed to link Collier Lane and West Layton to the de-trunked A66. A new grade-separated junction to the west of the existing alignment of Moor Lane will also provide connectivity between the de-trunked A66 and the proposed mainline of the new A66. This access road will be placed into a cutting beneath the proposed mainline. Along the Carkin Moor Scheduled Monument the road will be widened as far as practicable within the existing cutting using retaining structures to minimise any impact on the scheduled monument. The existing right turn to Warrener Lane will be removed with traffic joining the A66 via the link road at Moor Lane and a new bridleway underpass will be provided to the north of Warrener Lane.
- 1.2.9 Scheme 11 will comprise small scale adjustments to the A1(M) Scotch Corner Junction. These include widening of the approach to Scotch Corner roundabout from Middleton Tyas Lane to allow for an additional lane on the approach, in addition to widening on the northern bridge of the circulatory carriageway within the existing structural cross section, to accommodate an additional lane between the junction for the A6055 and the A1(M) southbound.

## 1.3 Geotechnical Category

- 1.3.1 Management of ground risks (geotechnical risks) to the project is undertaken in accordance with Design Manual for Roads and Bridges (DMRB) document CD622 [1]. This document incorporates the requirements of Eurocode 7 (EC7). EC7 is a convenient reference for the underlying British Standard Euronorms BSEN1997:1 [2] and BSEN1997:2 [3] and their United Kingdom National Annexes [4][5].
- 1.3.2 Design in accordance with EC7 requires assignment of a geotechnical category to the elements within the project and defines categories 1 to 3.

- 1.3.3 At this point, all ‘geotechnical structures’ (earthworks and structures) are expected to fall into Geotechnical Category 2. EC7 provides the following:
- Geotechnical Category 2 should include conventional types of structure and foundation with no exceptional risk or difficult or loading conditions.
  - Designs for structures in Geotechnical Category 2 should normally include quantitative geotechnical data and analysis to ensure that the fundamental requirements are satisfied.
  - Routine procedures for field and laboratory testing and for design and execution may be used for Geotechnical Category 2 designs.
- 1.3.4 The geotechnical category of each individual geotechnical structure is considered in chapters 4 and 6, and will be confirmed in chapter 10 (Engineering Assessment). If a feature requires re-categorization to the higher Category 3, then that will be highlighted. For Category 3 elements, further investigation and/or monitoring requirements (during and post construction) will need to be considered.
- 1.3.5 Geotechnical Certification requirements are set out in CD622 [1] and those applicable to Category 2 are therefore applicable at this stage of development.
- 1.3.6 Following development permission under planning rules, the National Highways PCF will provide the means to appoint contractors for construction of the schemes. These contractors will engage their own designers who will take responsibility for development of the geotechnical design and to present relevant Geotechnical Design Reports to that effect. These designers may re-define the Geotechnical Category of particular structures and will define any further investigation or testing deemed necessary to satisfy EC7, before proceeding to undertake detailed design.
- 1.3.7 Where particular complexity leads to classification of Category 3 geotechnical structures, more demanding certification requirements set out in CD622 [1] will apply to the design process.

## 1.4 Other Relevant Information

- 1.4.1 The Preliminary Sources Study Report (PSSR) was developed on behalf of National Highways [6] and this is fully considered in chapter 2 (Existing Information).

## 1.5 Structure of Report

- 1.5.1 This particular report presents the Ground Investigation Report (GIR) for package C as described above.
- 1.5.2 The ground summary for package C is developed on a scheme by scheme basis, each with discussion of its corresponding geo-environmental model immediately following the ground summary:
- Scheme 9: Stephen Bank to Carkin Moor – Ground Summary (chapter 4)
  - Scheme 9: Stephen Bank to Carkin Moor – Geo-Environmental Model (chapter 5)
  - Scheme 11: A1(M) Scotch Corner – Ground Summary (chapter 6)
  - Scheme 11: A1(M) Scotch Corner – Geo-Environmental Model (chapter 7)
- 1.5.3 The following information is contained in Appendices:
- Appendix A: Drawings
  - Appendix B: Methodology for Derivation of Parameters
  - Appendix C: List of Locations
  - Appendix D: Plots of Laboratory and In-situ Testing
  - Appendix E: Geo-Environmental Testing Suites
  - Appendix F: Geo-Environmental Risk Assessment Methodology
  - Appendix G: Waste Hazard Assessment Methodology
  - Appendix I: Waste Hazard Assessment Certificates
  - Appendix J: Ground Investigation Factual Report

## 1.6 Report Limitations

- 1.6.1 This is a report on the Preliminary Ground Investigation to fulfil the objectives of PCF Stage 3.

## 2 Existing Information

### 2.1 Areas Previously Covered in the PSSR

- 2.1.1 A review of existing information is contained in the PSSR [6] and is not repeated here. Only additional information that has been obtained during PCF Stage 3 is presented in Table 2.1-1.
- 2.1.2 The PSSR considered a number of route options and presented those in Table 1-1 therein. At that time, the route options were grouped by “Section”. The sections in the PSSR that are relevant to Package C are:
- Section 14: Stephen Bank to Carkin Moor
- 2.1.3 The route options covered by the PSSR have been subsequently developed. Consequently, references in this GIR will now use the scheme names explained in Chapter 1 above.
- 2.1.4 Minor works at the junction at the A1(M) Scotch Corner were introduced after PCF Stage 2. As such this falls outside the area covered by the PSSR [6] and are discussed in detail under sub-heading 2.2.

Table 2.1-1: Summary of Additional Sources of Information Used During PCF Stage 3

Source	Detail
<b>Topographical maps</b>	A merged surface was created from Aerial LiDAR, OS Maps and Digital Terrain Data (5m) obtained from National Highways’ GeoStore [8] at the beginning of the design stage.
<b>Geological maps and memoirs</b>	British Geological Survey (BGS) solid and drift maps to 1:50,000 scale [9] have been accessed across the scheme.  The British Geological Survey Lexicon of Named Rock Units [10] and the British Geological Survey Geindex [11] were accessed in 2020 and 2021. The BGS National Karst Database which shows cave and karst features has also been used [12].
<b>Aerial photographs / drone surveys</b>	Opensource data sources of Google Earth Pro, Bing Maps and those on FuseMap have been used.
<b>Records of mining, mineral deposits, caves and karst</b>	The Coal Authority Viewer [13] was accessed in 2021 to view information on past and current recorded coal mining activities, at surface (opencast) and at depth (underground).  Detailed overviews of caves and surface karst features in the North Pennines by caving and potholing societies have been utilised where relevant. Notably, The Caves and Karst of the Yorkshire Dales (Volume 2 The Caves) (Waltham and Lowe (eds.) 2017) has been used, which includes a section on the Caves of the North Pennines (Ryder P. and Harrison T.) [14].  A karst desk study and risk assessment [15] has been produced with further details. This will be included as an Appendix of the ES Road Drainage and Water Environment chapter.
<b>Land use and soil survey information</b>	Various geodiversity information sources were accessed such as the Defra Multi-Agency Geographic Information for the Countryside (MAGIC) website [16] and Cumbria geo-conservation interactive mapping [17].  Soils information data sources such as various agricultural land classification maps were accessed to classify the land within the schemes.  Further information is given in the Geology and Soils chapter of the Preliminary Environmental Information Report (PEIR) [18].
<b>Archaeological and historical investigations</b>	The 2021 ground investigation took place with an archaeological watching brief, see sub-heading 3.8 of this report for details.

Source	Detail
	<p>Geophysical surveys were undertaken in 2020 across all packages on agricultural land to assess the impact of the proposed upgrades on the historical environment [19]. A second phase was underway at the time of writing to fill in gaps that resulted from limitations on land access and the intervening design development.</p> <p>A remote sensing report and an archaeological trenching investigation were also being carried out at the time of writing and the outcome of these will be reported in the Environmental Statement (ES).</p>
<b>GPR/ Utilities</b>	<p>The ground investigation contractor undertook a review of utility plans, localised GPR surveys and CAT scanning of exploratory hole locations before proceeding.</p> <p>A site wide GPR survey was not undertaken during this stage of design.</p>
<b>Consultation with Statutory Bodies and Agencies</b>	<p>The following project stakeholders have been consulted: National Highways; National Highways Area 14 Asset Delivery team; National Highways Safety, Engineering and Standards (SES) Structures Advisors; Durham County Council (inc. Highways, PROW); Environment Agency and Natural England; Sir Robert McAlpine (SRM) – A66 NTP PCF 3 ECI Contractor; Statutory undertakers; and local businesses, landowners and residents. More specific detail is given in the Structural Options Reports [20][21][22][23].</p>
<b>Flood records</b>	<p>The flood risk maps were reviewed [24] and flood modelling has been carried out by Amey/Arup to establish baseline flood extents.</p>
<b>Contaminated land</b>	<p>Contamination information sources used not noted elsewhere in this table include: current and historical landfill sites; licensed waste management sites; current and historical industrial or commercial sites, discharges to surface water, foot and mouth disease burial sites; and farmyards.</p> <p>Stakeholder engagement was also carried out with County and District Councils, mines, the Environment Agency, Defra, National Farmers Union and the Ministry of Defence.</p> <p>Further information is given in the PEIR [18] and in chapters 5 and 7 of this report.</p>

## 2.2 Scheme 11 – A1(M) Scotch Corner Junction

2.2.1 The Scheme 11 proposals comprise widening of the Middleton Tyas Lane approach to the A1(M) Scotch Corner junction to allow for an additional lane and widening on the northern bridge of the circulatory carriageway, within the existing structural cross section, to also accommodate an additional lane. For this area, a high-level desk study review of information held on the National Highways Geotechnical Data Management System (GDMS) and other public sources of freely available information has been undertaken and is summarised in Table 2.2-1 below.

Table 2.2-1: Sources of Information Scheme 11 - A1(M) Scotch Corner Junction

Source	Scheme 11 A1(M) Scotch Corner Junction
<b>Topographical maps</b>	<p>The site is currently shown as a grade separated junction between Middleton Tyas Lane and the A1(M) Scotch corner junction [16].</p> <p>The earliest available mapping from 1893 shows the area of the proposed works to be situated within undeveloped fields until 1975 when the A1 is shown to have been realigned, and the split grade junction constructed.</p>
<b>Geological maps and memoirs</b>	<p>The 1:50,000 scale map 131[9] shows the site to comprise Glacial Till, with an area of no recorded superficial deposits immediately west of the site in the area of the A1 cutting.</p> <p>Bedrock beneath the site is shown to comprise the Four Fathoms limestone member.</p>



Source	Scheme 11 A1(M) Scotch Corner Junction
<b>Aerial photographs / drone surveys</b>	<p>Aerial imagery [25] shows the junction in the current configuration from the earliest imagery in 2001.</p> <p>Aerial imagery between 2001 and 2009 shows a small access road immediately south of the proposed works, by 2018 this is shown to have been removed. A new road is shown to have been built approximately 100m to the east of the site, running southwards parallel to the A1.</p>
<b>Records of mines and mineral deposits</b>	<p>The area is not within a Coal Mining Reporting Area.</p> <p>To the north and east there are areas of significant metalliferous historical mining. The town of Middleton Tyas, located 1.5km to the east of Scotch Corner, is known to have a large number of mine entries. To the north at Low Merrybent, located 2km north of Scotch Corner, is another area of recorded mine entries.</p> <p>These workings are not anticipated to affect the proposed works at Scotch Corner.</p>
<b>Land use and soil survey information</b>	<p>The soil scape map [27] indicates the site area to comprise slowly permeable seasonally wet acidic loamy and clayey soils of low fertility.</p>
<b>Archaeological and historical investigations</b>	<p>The Historic England database [28] was reviewed to understand if the site included any site with a Statutory Designation. No statutory designations were shown.</p>
<b>Existing ground investigations</b>	<p>The two closest historical exploratory holes to the site are NZ20NW51 and NZ20NW24 located 30m and 50m west of the development proposals respectively. These holes were undertaken within the A1 cutting.</p> <p>The historical exploratory holes indicate a thin layer of topsoil to overly firm to stiff sandy clay with gravel and cobbles, with bedrock identified at 9 and 12.6m bgl comprising weak highly weathered mudstone.</p>
<b>Consultation with Statutory Bodies and Agencies</b>	<p>No consultations have been undertaken for this additional area.</p>
<b>Earthworks</b>	<p>No existing earthworks are shown on the GDMS database [29].</p>
<b>Flood records</b>	<p>The flood maps provided by the Environment Agency for planning uses indicate that the Scheme 11 site is in Flood Zone 1 (Land having a less than 1 in 1,000 annual probability of river or sea flooding) [24].</p> <p>Ordnance Survey mapping was reviewed for the site and no watercourses or ponds are shown at the Scotch Corner site.</p> <p>DEFRA Magic Map was reviewed to understand the groundwater vulnerability of the site. Scotch Corner is in an area of 'Medium – Low' groundwater vulnerability.</p> <p>DEFRA Magic Map was reviewed to understand the superficial and bedrock aquifer designations at the site. At Scotch Corner the superficial aquifer is a 'Secondary (undifferentiated)' designation and the bedrock aquifer is a 'Secondary A' designation [16].</p>
<b>Contaminated land</b>	<p>A review of historical mapping on the site has not identified any significant potential sources of contamination on the site. Given the location of the site on a road junction, consideration should be given to the presence of localised spills and Made Ground associated with construction of the junction.</p>
<b>Other relevant information</b>	<p>Zetica UXO Risk Maps were reviewed to understand the potential risk of unexploded ordnance at the site. The site for Scheme 11 is shown to be in an area of 'Low' bombing risk with 'no strategic targets' or 'points of note' shown near to the site [30].</p>

## 3 Field and Laboratory Studies

### 3.1 Geomorphological/Geological Mapping and Topographic Survey

3.1.1 A formal site walkover of the whole route was not undertaken, however, a walkover of selected pertinent geo-environmental locations was undertaken on 22 and 25 of January 2021. Locations visited along package C are listed below:

- **West Layton NGR NZ 14210 09960**– West Layton plant nursery and surrounding land, includes green houses.
- **Fox Hall Inn NZ 14696 09174** – Car park situated immediately south of A66, possible rock exposed on north side of the road.
- **Mainsgill Farm Shop NZ 15464 08631** – Farm shop and parking area earthworks to the east.

3.1.2 The site was also visited in October 2020 to inspect potential collapse and dissolution landforms previously mapped in the project study area. The observations made are reported in the desktop study on potential karst features [15] with no karst landforms identified along the schemes in Package C.

3.1.3 Detailed topographical surveys have been commissioned as part of the project, but no information was available at the time of writing.

3.1.4 No new geomorphological or geological mapping has been conducted as part of the ground investigation work relating to this report.

### 3.2 Ground Investigations

3.2.1 A review of historical ground investigation information was undertaken and reported in the PSSR [6]. A preliminary ground investigation was designed by Amey/Arup to verify and supplement information collated in Stage 2 and to develop an appropriate strategy to inform preliminary design for PCF Stage 3. The scope of the ground investigation was defined in the Specification for Ground Investigation [31]. The investigation was tailored to provide reasonably comprehensive geotechnical information to address the principal geotechnical risks identified at Stage 2 and provide sufficient detail to inform general scheme wide ground conditions in terms of geological profiles, groundwater regime, depth to bedrock, potential contaminants, and suitability of excavated material for re-use.

3.2.2 The purpose of the investigation was to ascertain:

- The geological sequence;
- Groundwater levels across the development area;
- Permeability of the underlying soil horizons and bedrock strata at the proposed location of attenuation ponds;
- Undertake in situ geotechnical testing;
- Obtain soil and rock samples to permit geotechnical and geo-environmental laboratory testing;
- Enable an initial assessment of sulphate content in soils to inform soil treatment options; and
- Collate appropriate levels of information to inform Preliminary Design.

3.2.3 It should be noted the ground investigation was scoped based on design freeze C with some locations revised during site works based on design freeze D information. Where subsequent alignment changes were developed, future targeted ground investigation will be required in areas not fully covered by this report.

3.2.4 The ground investigation site works were carried out between 22 February and 16 March 2021 by Allied Exploration Geotechnics Ltd (AEG Ltd).

### 3.3 Description of Fieldwork

3.3.1 The following fieldwork was conducted by AEG Ltd. during the 2021 ground investigation:

Table 3.3-1: Works Undertaken during 2021 Ground Investigation

Type	Number (Scheme 9)	Number (Scheme 11)	Total Number	Depth range (m bgl)
<b>Exploratory Hole Locations</b>				
Cable percussion borehole	25	0	25	0.3-17.0
Cable percussion borehole with rotary follow on	9	0	9	8.0-25.6
Windowless sampling borehole	3	2	5	0.7-6.65
Machine-excavated trial pit	45	0	45	0.7-6
Hand-dug trial pit	0	4	4	0.6-1.2
Surface water groundwater sampling locations	2	0	2	N/A
<b>Groundwater installations in boreholes</b>				
Installation of 50mm standpipe in borehole	2	0	2	2-7
Installation of 19mm standpipe piezometer in borehole	23	0	23	1.0-16.0
<b>In situ testing (number of locations)</b>				
Plate load testing	6	0	6	0.4-0.5
Infiltration testing	7	0	7	1.1-2.0
Permeability testing in groundwater installation	14	0	14	1.0-9

3.3.2 Several locations specified were not completed or modified for the reasons described in Table 3.3-2 and Table 3.3-3 below.

Table 3.3-2: Changes in Scope Agreed During the Works

Scheme	Location	Comment
<b>Scheme 9</b>	BH SBC004/ WS SBC004/ WS SBC004A/ WS SBC004B	BH SBC004 methodology changed to window sampling borehole due to soft ground conditions. Window sampling borehole subsequently relocated twice due to obstructions in inspection pits.
<b>Scheme 9</b>	WS SBC001/ TP SBC042	WS SBC001 methodology changed to machine-excavated trial pit due to soft ground conditions. Completed as TP SBC042.
<b>Scheme 9</b>	WS SBC002/ TP SBC043	WS SBC002 methodology changed to machine-excavated trial pit due to soft ground conditions. Completed as TP SBC043.
<b>Scheme 9</b>	WS SBC003/ TPSBC044	WS SBC003 methodology changed to machine-excavated trial pit due to soft ground conditions. Completed at TP SBC044.
<b>Scheme 11</b>	TP A1SC01/ HDP A1SC01/ HDP	TP A1SC01 methodology changed to 3no. hand dug inspection pits following relocation to mitigate risk of service proximity and



Scheme	Location	Comment
	A1SC01A/ HDP A1SC02/ HDP A1SC03	remove requirement for footpath closures and traffic management.

Table 3.3-3: Omissions from Original Specification

Scheme	Location	Comment
<b>Scheme 9</b>	BH SBC003	Not completed, land access not granted
<b>Scheme 9</b>	BH SBC033	Not completed, as access not possible to a suitable location due to vegetation.
<b>Scheme 9</b>	TP SBC037	Not completed, land access not granted
<b>Scheme 11</b>	TP A1SC02	No longer required due to scheme layout changes
<b>Scheme 11</b>	TP A1SC03	No longer required due to scheme layout changes
<b>Scheme 11</b>	TP A1SC04	No longer required due to scheme layout changes
<b>Scheme 11</b>	WS A1SC01	No longer required due to scheme layout changes

### 3.4 Results of In-Situ Tests

- 3.4.1 Standard Penetration Tests (SPT) were undertaken within all boreholes and windowless sample holes.
- 3.4.2 Hand shear vanes were undertaken where practical within the cohesive material encountered in each of the hand excavated inspection pits.
- 3.4.3 Plate load tests were undertaken within selected trial pit locations in accordance with BS1377 [32].
- 3.4.4 Infiltration rate tests were undertaken within seven pits in accordance with BRE Digest 365 Soakaway Design [33] at locations close to proposed attenuation ponds.
- 3.4.5 Falling/raising head permeability tests [32] were undertaken in selected boreholes.
- 3.4.6 The results of the in-situ testing are presented in the 2021 AEG Factual Reports [34] [35] in Appendix J and are discussed in chapters 4 and 6 of this report.

### 3.5 Drainage Studies

- 3.5.1 No drainage studies have been completed as part of the 2021 investigation, although some infiltration testing was done to assess the soakaway potential of the near surface soil deposits as noted earlier. Infiltration rates and existing groundwater levels have been determined and these will be available to future drainage designers.
- 3.5.2 For preliminary geotechnical design, the 2021 investigation has indicated the presence of fine soils in some areas. These are discussed further in the later ground summaries, but such materials are known to be susceptible to groundwater and surface water actions. As a result, it is expected that where existing topography falls towards cuttings these will require protection by crest drainage. Toe of cutting drainage will be provided in accordance with the Specification for Highway Works Clause 500.

### 3.6 Geophysical Surveys

- 3.6.1 No geophysical survey was undertaken as part of the 2021 investigation.

### 3.7 Test Pile Results

- 3.7.1 No test piling was undertaken as part of the 2021 investigation.
- 3.7.2 Piling design will be required where structure foundations cannot adopt a shallow foundation type. These aspects will be determined at detailed design stage. At that stage, it is recommended that the requirements of Eurocodes are fully applied and that adequate pile testing is mandated by the design. It is recommended that fully instrumented preliminary piles are constructed and tested at each structure location. These tests are likely to be static, sustained load tests. Further dynamic load tests are recommended to supplement the static testing on an appropriate sample of piles during construction, at the frequency recommended in the Eurocodes.
- 3.7.3 Construction and testing of preliminary piles for piling solutions is expensive and is often an area where design and build organisations look to minimise cost. Industry experience has shown this to be ill-advised and a suitable mechanism is vital to ensure that suitable testing is in place for any piling proposals. This can typically be accommodated by specific inclusion in the client's requirements.

### 3.8 Other Field Work

- 3.8.1 The 2021 ground investigation included an archaeological watching brief by Northern Archaeological Associates Ltd. (NAA) at each trial pit location. The results are contained in the Archaeological Monitoring Report, included with the factual reports from the 2021 ground investigation [34] [35].

### 3.9 Laboratory Investigation

- 3.9.1 Laboratory geotechnical and chemical testing was scheduled by Amey/Arup engineers and conducted by AEG Ltd. or subcontracted to other accredited laboratories.

### 3.10 Description of Tests

- 3.10.1 Table 3.10-1 provides a summary of the laboratory testing carried out.

Table 3.10-1: Scheduled Laboratory Testing

Test	Number (Scheme 9)	Number (Scheme 11)	Total Number
<b>Geotechnical testing (soil)</b>			
Natural Moisture Content	213 <sup>1</sup>	7	220
Atterberg Limits	142	6	148
Bulk Density Determination	10	-	10
Particle Density Determination	24	-	24
Particle Size Distribution	83	3	86
Dry Density/ Moisture Content (4.5kg rammer)	24	-	24
MCV (single-point)	45	-	45
MCC (multi-point) MCV/ MC relationship)	18	-	18
One-Dimensional Consolidation Tests	7	-	7
California Bearing Ratio	17	1	18

Test	Number (Scheme 9)	Number (Scheme 11)	Total Number
Consolidated Undrained triaxial with measurement of pore-pressure	12	-	12
Unconsolidated Undrained triaxial without measurement of pore pressure	29	-	29
Hand Shear Vane	67	-	67
Small Shearbox	6	-	6
BRE Chemical Tests	69	-	69
<b>Geotechnical testing (rock)</b>			
Moisture Content	9	-	9
Point Load Strength Index Tests	131	-	131
Unconfined Compressive Strength Tests	2	-	2
<b>Geo-environmental Chemical testing</b>			
Soil	95	11	106
Groundwater	3	-	3
Surface water	2	-	2
<sup>1</sup> An additional 9 moisture content determinations were made as part of UCS testing.			

### 3.11 Factual Report and Data

3.11.1 Factual information from the 2021 ground investigation is contained in the Ground Investigation Factual Reports prepared for each scheme [34] [35]. The test results reported in this document were transmitted to Amey/Arup by AEG Ltd. in AGS format on the 9 August 2021.

## 4 Scheme 9: Stephen Bank to Carkin Moor – Ground Summary

### 4.1 Scheme Description

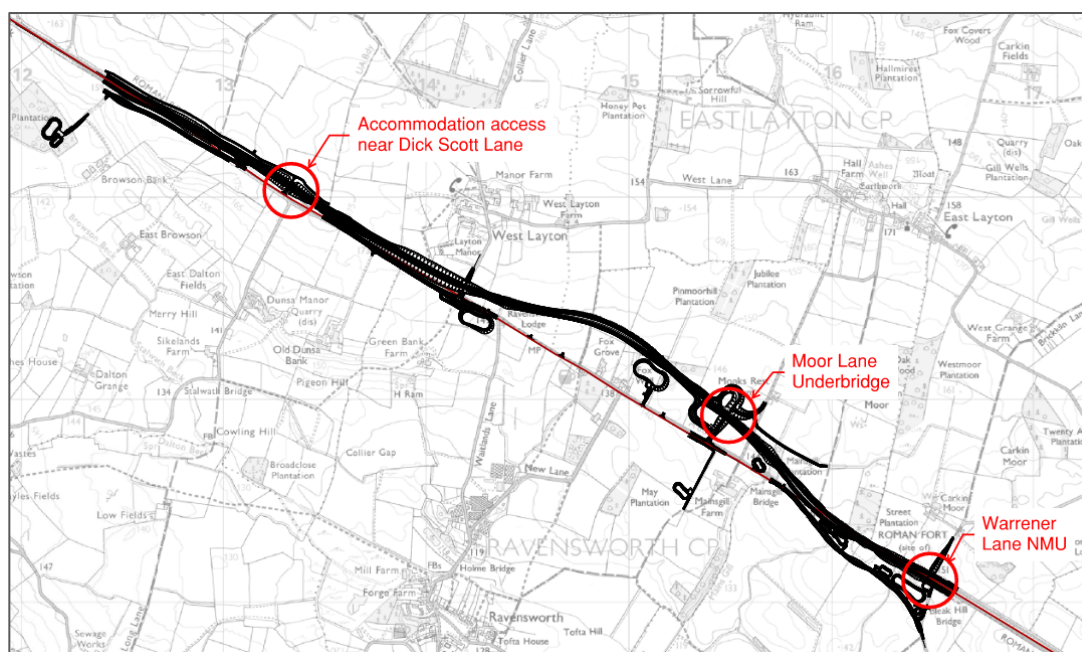


Figure 2: Scheme 9 Route Alignment

- 4.1.1 Scheme 9 covers between chainage Ch. 69+972m and Ch. 74+998m, the proposed route is shown in Figure 2. Existing ground level at the start of the scheme is 160mOD, which rises to 180mOD at Dick Scot Lane, before gradually reducing to 141mOD in the area of Fox Hall Farm. Ground levels then rise gradually to the end of the scheme to 160mOD.
- 4.1.2 Scheme 9 will comprise a new dual carriageway section between Stephen Bank and Carkin Moor Farm. The new dual carriageway will be to the north of the existing A66 and the properties at Fox Hall and Mainsgill Farm, re-joining the existing A66 alignment after Mainsgill Farm. A new accommodation underpass will be provided to the north of Dick Scot Lane to allow access to land to the north of the new A66 alignment. The existing A66 will be de-trunked and used as a collector road for local access. An overbridge is proposed to link Collier Lane and West Layton to the de-trunked A66. A new grade-separated junction to the western boundary of the existing alignment of Moor Lane will also provide connectivity between the de-trunked A66 and the proposed mainline of the new A66. The southern section of Moor Lane will be realigned and placed into a cutting beneath the proposed mainline. Along the Carkin Moor Scheduled Monument the road will be widened within the existing cutting using retaining structures. The existing right turn to Warrener Lane will be removed with traffic joining the A66 via the link road at Moor Lane and a new bridleway underpass will be provided to the north of Warrener Lane.
- 4.1.3 For the purposes of design, scheme 9 is divided into six sections based on the proposed works under the scheme, see Table 4.1-1. The first segment extends from the start of the scheme to Ch. 71+250m, past the underpass near Dick Scot Lane. The second segment extends from Ch. 71+250m to Ch. 72+210m incorporating the overbridge at Collier Lane. The third segment extends from Ch. 72+210m to Ch. 73+200m covering the length east of Collier Lane and west of Moor Lane. The fourth segment extends from Ch. 73+200m to Ch. 73+700m

incorporating the Moor Lane Underbridge. The fifth segment extends between 73+700 and 74+997 along the A66 mainline. The sixth segment extends between 73+900 and 74+996 along an access road to the south of the A66.

4.1.4 The earthworks and structures proposed along scheme 9 are listed in Table 4.1-1 with attenuation ponds listed in Table 4.1-2.

Table 4.1-1: Scheme 9 – Structures and Earthworks

Section	Description	Description	Chainage start (m)	Chainage end (m)
9.1	<b>Start of scheme to Dick Scot Lane</b>		<b>69+972</b>	<b>71+250</b>
	Earthwork 1 –Low Height Cutting	Widening of cutting at start of scheme on westbound carriageway, cutting up to 2m depth	69+972	70+250
	Earthwork 2 – Cutting (offline to south)	Cutting to accommodate Browson Bank Farm access and southern access road. Height up to 2.5m.	70+050	70+250
	New Culvert S09-C01	Proposed new culvert 1.5m diameter beneath A66 approximately 48m long	70+080	
	New Culvert S09-C02 (offline)	Proposed new culvert 0.45m diameter beneath Browson Bank farm access approximately 10m long.	70+100	
	Earthwork 3 - Embankment	Embankment to accommodate A66, maximum height 6.5m.	70+250	70+660
	Earthwork 4 – Cutting (offline)	Low height cutting to accommodate access road to the south of A66.	70+620	70+750
	Earthwork 5 – Embankment/ Cutting	Low height embankment on westbound and cutting on eastbound, maximum height 1m along mainline.	70+660	70+880
	Earthwork 6 – Embankment	Embankment for accommodation underpass. Maximum height 7.5m	70+880	71+250
	Structure 1- New Underpass	Accommodation underpass for farm access to the north of Dick Scot Lane	71+070	71+080
9.2	<b>Dick Scot Lane to Collier Lane</b>		<b>71+250</b>	<b>72+210</b>
	Earthwork 1 – Cutting	Cutting to accommodate A66 for West Layton Underbridge. Maximum height 10.9m.	71+250	72+210
	Structure 1 – New West Layton Overbridge	Bridge over A66 to accommodate Collier Lane onto access road to south of A66.	72+070	72+090
	New Culvert S09-C03 (offline)	1.5m diameter beneath Collier Lane. Approximately 22m long.	72+080	
	Earthwork 2 – Embankment (offline)	Embankments to accommodate West Layton Overbridge and access road to the south. Maximum height 3m	71+960	72+210
9.3	<b>Collier Lane to cutting west of Moor Lane</b>		<b>72+210</b>	<b>73+200</b>
	Earthwork 1 – Embankment	Embankment to accommodate new alignment of A66. Maximum height 3.2m	72+210	72+600

Section	Description	Description	Chainage start (m)	Chainage end (m)
	Earthwork 2 - Embankment	Embankments accommodating A66 on new alignment, maximum height 4m.	72+600	73+200
	New Culvert S09-C04	Proposed new 1.5m diameter 'Ravensworth Culvert' beneath A66 approximately 49m long.	72+280	
	New Culvert S09-C05	Proposed new 1.5m diameter 'Fox Culvert' beneath A66 approximately 100m long.	73+020	73+100
<b>9.4</b>	<b>Moor Lane Underbridge</b>		<b>73+200</b>	<b>73+700</b>
	Earthwork 1 – Cutting	Cutting to accommodate A66 on new alignment, maximum height 3.1m.	73+200	73+530
	Earthwork 2 – Cutting (offline)	Cuttings to accommodate Moor Lane Underbridge and associated slip roads. Maximum height 4m.	73+380	73+700
	Earthwork 3 – Embankment	Embankment to accommodate A66 east of Moor Lane Underbridge.	73+600	73+700
	Structure 1 – New underbridge	Moor Lane Underbridge.	73+550	
	New Culvert S09-C06 (offline)	Proposed new culvert 1.5m diameter beneath Moor Lane approximately 15m long.	73+700	
<b>9.5</b>	<b>Moor Lane to end of scheme (A66)</b>		<b>73+700</b>	<b>74+997</b>
	New Culvert S09-C07	Proposed new 1.5m diameter 'Moor Lane Culvert' beneath A66 approximately 100m long.	73+850	
	Earthwork 1 – Embankment	Embankment, up to 7m high	73+700	73+960
	Earthwork 2 – Cutting	Cutting with a maximum height of 3m	73+960	74+220
	Earthwork 3 – Embankment	Embankment to a maximum height of 3.5m	74+220	74+420
	Culvert S09-C09 replacement	Replacement of existing culvert 1.5m diameter. Approximately 69m long.	74+350	
	Earthwork 4 – (infilling of existing cutting)	Partial infilling of an existing cutting.	74+420	74+560
	Structure 1 – New Retaining Wall	Soil nailed slope, gravity or embedded retaining wall in the vicinity of Carkin Moor Scheduled Monument to a maximum height of 3.8m	74+420	74+540
	Earthwork 5 – Embankment	Embankment to a maximum height of 5.5m	74+560	74+820
	Culvert S09-C11 extension	Extension of existing 1.8mx1.5m 'Cloven Hill Culvert'. Total length approximately 69m (incl. existing culvert)	74+680	

Section	Description	Description	Chainage start (m)	Chainage end (m)
	Structure 2 – New Underpass	Carkin Moor farm access	74+820	74+860
	Earthwork 6 – Cutting (offline)	Cutting to facilitate Carkin Moor farm access.	74+820	74+860
	Earthwork 7 – Embankment / Cutting	Cuttings of 3.5m on the North, and an embankment of 4m on the South	74+860	74+997
	New Culvert S09-C14	Proposed new culvert 1.5m diameter approximately 60m long.	74+900	
<b>9.6</b>	<b>Moor Lane to end of scheme (access road to south)</b>		<b>73+900</b>	<b>74+966</b>
	Existing Culvert S09-C08	Existing culvert to be retained beneath south access road.	73+900	
	Earthworks 1 – Embankment	Embankment along de-trunked A66 up to 1m in height.	73+900	74+000
	Earthwork 2 - Cutting	Cutting along access road up to 2m height	74+000	74+180
	Earthwork 3 – Embankment	Embankment to accommodate access road, up to 2m height	74+180	74+450
	Earthwork 4 – Cutting	Cutting up to 3m in height	74+450	74+580
	New Culvert S09-C10	Proposed new 1.5m diameter culvert. Approximately 27m long.	74+300	
	New Culvert S09-C16/17	Proposed new culverts between Pond 7 and Pond 8 and beneath access track to Pond 8.	74+300	74+400
	New Culvert S09-C12	Proposed new culvert 0.45m diameter near proposed ponds	74+600	
	Earthworks 5 – Embankment	Embankment up to 3m high	74+600	74+880
	New Culvert S09-C13	Proposed new 'Cloven Hill Culvert 2' 1.5m diameter and approximately 45m long	74+680	
	Earthwork 6 – Cutting	Cutting up to 2m high	74+880	74+966
	New Culvert S09-C18 (offline)	Proposed new culvert 0.45m diameter across field access on southern access road. Approximately 12m long.	74+900	
	New Culvert S09-C15	Proposed culvert beneath new access road to south. 1.5m diameter. Approximately 20m long.	74+960	



Table 4.1-2: Scheme 9 – Attenuation Ponds

Section	Pond	Approximate chainage (m)
9.1	Pond 1 to the south of the westbound carriageway.	69+972
	Pond 2 to the south of the westbound carriageway.	70+000
9.2	Pond 3 bunded pond to the south of the A66 and access road	72+200
9.3	Pond 4 between new and de-trunked A66	73+200
9.5	Pond 5 southwest of Mainsgill Farm Shop	73+550
	Pond 6 to the south of the A66.	73+800
9.6	Pond 7 between access road and A66	74+250
	Pond 8 between access road and A66	74+350
	Pond 9 between access road and A66	74+650
	Pond 10 between access road and A66	74+750

4.1.5 The following reports contain further detail on each of the structures listed above:

- Scheme 9 Structures Options Report - Underbridges [20]
- Scheme 9 Structures Options Report - Overbridges [21]
- Scheme 9 Structures Options Report - Culverts [22]
- Scheme 9 Structures Options Report – Retaining Walls [23]

## 4.2 Scheme 9 Ground Conditions

4.2.1 The scheme wide ground conditions discussed here are based on data from the 2021 investigation supplemented by historical boreholes obtained from the BGS online dataviewer [11]. A summary of relevant sources of ground investigations is provided in Table 4.2-1. A full list is provided in Appendix C. Drawings HE565627-AMY-HGT-S09-DR-CE-200001-3 in Appendix A provide plan and longitudinal sections showing the proposed new alignment with the positions of relevant exploratory holes.

Table 4.2-1: Scheme 9 – Quantities of Exploratory Holes

Ground Investigation	Number of locations
Historical boreholes from BGS dataviewer	20
Allied Exploration Geotechnics, 2021	81

4.2.2 Exploratory holes in or close to the proposed scheme 7 works indicate the presence of the following geological strata.

- Topsoil
- Made Ground – cohesive and granular
- Glacial Deposits – cohesive
- Glacial Deposits – granular
- Mudstone
- Limestone
- Sandstone

4.2.3 Relevant exploratory hole locations and a more detailed description of the materials encountered in each section of this scheme are presented under sub-headings 4.3 to 4.8. A summary of the materials encountered is presented in Table 4.2-2 below.



Table 4.2-2: Scheme 9 – Summary of Materials Encountered

Strata	Scheme 9					
	9.1	9.2	9.3	9.4	9.5	9.6
Topsoil	✓	✓	✓	✓	✓	✓
Made Ground – cohesive and granular	✓	-	-	-	✓	-
Glacial Deposits – cohesive	✓	✓	✓	✓	✓	✓
Glacial Deposits – granular	✓	✓	✓	-	✓	✓
Mudstone	✓	✓	-	-	-	-
Limestone	-	✓	-	-	✓	✓
Sandstone	✓	✓	-	✓	✓	-

- 4.2.4 Ground conditions along scheme 9 generally comprise thin Topsoil or Made Ground overlying variable thicknesses of predominantly cohesive Glacial Till deposits and sandstone and mudstone bedrock.
- 4.2.5 Topsoil was encountered within 70 of 81 locations from the 2021 ground investigation, typically as 0.3m thick. It comprised soft and friable brown sandy slightly gravelly clay with many rootlets. The majority of historical locations recorded Topsoil at ground level, although detailed descriptions were limited.
- 4.2.6 Made Ground was encountered in 15 of 81 locations from the 2021 ground investigations and typically ranged between 0.2m and 0.5m thick. Locally thicker Made Ground was encountered in BH SBC006, BH SBC008 and BH SBC032.
- 4.2.7 Made Ground typically comprised very clayey slightly gravelly sand, or slightly sandy slightly gravelly clay. The Made Ground typically included gravel of sandstone and mudstone, and locally ,slag, limestone, roadstone and material described as macadam.
- 4.2.8 Glacial Deposits were encountered in 77 of 81 exploratory holes undertaken during the 2021 ground investigation. The full thickness of Glacial Deposits was proven in 12 exploratory holes across scheme 9. Thickness of Glacial Deposits varies across the site, being 0.5m thick in the west of the site and >24m in the east of the site.
- 4.2.9 Glacial Deposits predominantly comprised cohesive materials ranging from soft to firm, becoming firm to stiff with depth. The materials were generally described as brown slightly sandy slightly gravelly clay with medium cobble content, with gravel comprising sandstone, mudstone and limestone. Boulders were noted in approximately half of the exploratory holes undertaken.
- 4.2.10 Granular glacial materials were encountered within 17 exploratory holes undertaken during the 2021 ground investigation. The materials typically comprised bands of clayey very sandy gravel or gravelly sand interbedded within the cohesive deposits. The granular materials typically ranged between 0.5 and 1m thick, and were encountered within the upper Glacial Deposits.
- 4.2.11 Bedrock was encountered within 13 exploratory holes including historical holes, and was encountered at depths ranging between 0.8m and 22.5m bgl. Other exploratory holes did not encounter rock at depths up to 25m bgl in the east of the site (BH SBC025). Rockhead was shallowest in the west of the site and deepest in the central and eastern areas of the site. Rockhead predominantly comprised mudstone, with sandstone encountered at rockhead in

- the far west and central area of the site. Limestone was encountered at rockhead within one exploratory hole in the central area of the site (BH SBC015).
- 4.2.12 Groundwater monitoring was carried out over a period of approximately 5 months following completion of fieldwork over 6 rounds of monitoring.
- 4.2.13 The available information indicates that bedrock is commonly saturated across the site, with piezometric depths from installations in the bedrock typically at or around rockhead level. Installations within Glacial Deposits generally recorded stabilised levels between 1m and 3m bgl, occasionally deeper (5.3m). Multiple groundwater strikes were recorded during drilling in both historical and recent holes. The depth of strikes ranged from as shallow as 1m to 19.5m bgl, with the majority between 2m and 7m bgl within glacial cohesive deposits.
- 4.2.14 Summaries of laboratory and in situ data available for each section is presented under sub-headings 4.3, 4.4, 4.5, 4.6, 4.7 and 4.8. The plots summarised in Table 4.2-3 have been produced to support the interpretation of field and laboratory data and are presented within Appendix D.
- 4.2.15 Measured SPT values N have been corrected for energy losses, giving  $N_{60}$  values.
- 4.2.16 It is noted that some historical logs included laboratory test results, which have been included in the tables and figures in this report.

Table 4.2-3: Scheme 9 – Geotechnical Figures

Figure Name	Figure Reference						
	Scheme 9	9.1	9.2	9.3	9.4	9.5	9.6
Natural Moisture Content & Atterberg Limits	S9-1	S9.1-1	S9.2-1	S9.3-1	S9.4-1	S9.5-1	S9.6-1
Plasticity Chart	S9-2	S9.1-2	S9.2-2	S9.3-2	S9.4-2	S9.5-2	S9.6-2
PSD Grading Curves	S9-3	S9.1-3	S9.2-3	S9.3-3	S9.4-3	S9.5-3	S9.6-3
Bulk Density	S9-4	-	-	-	-	-	-
Particle Density	S9-5	-	-	-	-	-	-
SPT Value	S9-6	S9.1-4	S9.2-4	S9.3-4	S9.4-4	S9.5-4	S9.6-4
Undrained Shear Strength (GD-C)	S9-7	S9.1-5	S9.2-5	S9.3-5	S9.4-5	S9.5-5	S9.6-5
Shearbox	S9-8	-	-	-	-	-	-
Consolidated Undrained Triaxial	S9-9	-	-	-	-	-	-
Oedometer (mv at stress increment)	S9-10	-	-	-	-	-	-
Compaction Test Curves	S9-11	-	-	-	-	-	-
Compaction Max Density vs. Optimum Moisture Content	S9-12	-	-	-	-	-	-
MCV vs Moisture Content	S9-13	-	-	-	-	-	-

Figure Name	Scheme 9	Figure Reference					
		9.1	9.2	9.3	9.4	9.5	9.6
CBR (top) vs Moisture Content	S9-14	-	-	-	-	-	-
CBR (bottom) vs Moisture Content	S9-15	-	-	-	-	-	-
Plate Load Test	S9-16	-	-	-	-	-	-
Permeability In Situ	S9-17	-	-	-	-	-	-
Rock Moisture Content	S9-18	-	-	-	-	-	-
Rock Point Load - Axial	S9-19a	-	-	-	-	-	-
Rock Point Load - Diametral	S9-19b	-	-	-	-	-	-
Rock Point Load - Irregular Lump	S9-19c	-	-	-	-	-	-
Rock UCS	S9-20	-	-	-	-	-	-
Groundwater Monitoring	S9-21	-	-	-	-	-	-

### 4.3 Section 9.1 - Ch.69+972m to Dick Scot Lane

4.3.1 Exploratory holes relevant to this section are given in Table 4.3-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:

- Topsoil
- Made Ground
- Glacial Deposits – Cohesive
- Glacial Deposits - Granular
- Mudstone (Alston Formation)
- Sandstone (Alston Formation)

Table 4.3-1: Section 9.1 – Relevant Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC001	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC002	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC005	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC006	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC007	Cable percussive borehole & rotary core follow on

Source/Date	Borehole ID	Type
Allied Exploration Geotechnics Ltd, 2021.	BH SBC008	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC009	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC010	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC010A	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004	Window sampling borehole
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004A	Window sampling borehole
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004B	Window sampling borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC001	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC002	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC003	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC004	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC005	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC006	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC007	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC008	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC009	Trial Pit
Soil Mechanics, 1988 (British Geological Survey)	NZ11SW54	Trial Pit
Soil Mechanics, 1988 (British Geological Survey)	NZ11SW55	Trial Pit
Soil Mechanics, 1988 (British Geological Survey)	NZ11SW56	Trial Pit
Soil Mechanics, 1988 (British Geological Survey)	NZ11SW75	Trial Pit
Soil Mechanics, 1988 (British Geological Survey)	NZ11SW75A	Trial Pit

## Topsoil

4.3.2 Topsoil was recorded at ground level in 15 of the 26 locations on section 9.1. It was typically present to a depth of up to 0.3m bgl, occasionally up to 0.5m bgl. It was typically described as soft dark brown sandy slightly gravelly clay with rootlets. In boreholes BH SBC001, BH SBC005, BH SBC007, BH SBC009 material described as friable brown sandy slightly gravelly clay is present to 0.4 to 0.5m bgl and has been interpreted as Topsoil.

4.3.3 A summary of laboratory data available for Topsoil is presented in Table 4.3-2, graphical data are presented as figures where applicable in Appendix D.

Table 4.3-2: Section 9.1 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Particle density (Mg/m <sup>3</sup> )	1	2.57	2.57	2.57
Natural Moisture Content (%)	5	20-30	24.6	24
Liquid Limit (%)	3	35-43	40	41
Plastic Limit (%)	3	17-24	21	23
Plasticity Index (%)	3	18-19	18	18

## Made Ground

- 4.3.4 Made Ground was encountered in 13 locations in this section, either at ground level or beneath a thin layer of Topsoil.
- 4.3.5 Four historical locations at the start of the scheme NZ11SW54, NZ11SW56, NZ11SW75, NZ11SW55, were carried out in areas that have already been developed into dual carriageway. Materials encountered in these holes are associated with historical road construction up to 1.4m thick, comprising reworked cohesive Glacial Deposits with gravel, including some anthropogenic material such as bitumen (NZ11SW55). Tarmac was reported in two locations, at 0.2 to 0.4m bgl in NZ11SW56 and at greater depth 1.1 to 1.2m bgl in NZ11SW75, with limestone gravel beneath to 1.4m bgl.
- 4.3.6 Three window sampling locations were attempted on the northern verge of the existing A66 (WS SBC004, WS SBC004A, WS SBC004B). These encountered black gravel described as macadam, limestone and slag overlying a concrete obstruction at 0.7m bgl, assumed to be associated with historical road construction.
- 4.3.7 Towards the east of section 9.1, Made Ground materials were encountered to a maximum depth of 2m bgl, generally in holes located on or close to the existing farm access track parallel to the north of the existing A66. In BH SBC006, material described as brown slightly gravelly sand was encountered to 2m below ground level, gravel comprised material described as tarmac and natural materials. In BH SBC008, gravel containing material described as macadam, slag and limestone was present to 1.2m bgl.
- 4.3.8 In TP SBC007, TP SBC009, BH SBC010 and BH SBC010A, a thin layer of Made Ground was encountered at ground level up to 0.3m thick, with a description generally consistent with Topsoil or cultivated Glacial Deposits.

Table 4.3-3: Section 9.1 – In Situ and Laboratory Test Results for Made Ground

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	3	19-53	37	40
PSD	1	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	1	12	12	12
SPT N <sub>60</sub> value <sup>1</sup>	1	11	11	11
HSV (field), cu (kPa)	2	24-28	26	26

<sup>1</sup> For SPT N<sub>60</sub>/ N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.1-4 for full extrapolated values.

## Glacial Deposits – Cohesive

- 4.3.9 Cohesive Glacial Deposits form the major superficial material across this section, and were encountered in 17 locations from the 2021 ground investigation, from a depth of 0.2m bgl. Cohesive Glacial Deposits were also recorded in the historical ground investigations, although these locations were not logged to modern standards and consequently the descriptions have not been interpreted in detail.
- 4.3.10 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with medium cobble content and occasionally included boulders.
- 4.3.11 Gravel within the deposits was typically described as fine to coarse, sub-angular or angular to sub-rounded, and includes mudstone, sandstone, limestone and metamorphic lithologies. Cobbles were typically sub-angular to sub-rounded and also include mudstone, sandstone and limestone.
- 4.3.12 Boulders were encountered, principally towards the start of the scheme in historical holes, and trial pits TP SBC002, TP SBC003, TP SBC004 and TP SBC005 where low boulder content was recorded. Boulders were typically described as sub-angular to sub-rounded of limestone and occasionally mudstone and sandstone. Boulders were also noted in BH SBC010 towards the east of section 9.1.
- 4.3.13 Glacial Deposits were described as soft in seven locations across section 9.1. In BH SBC002, soft brown very sandy gravelly clay was encountered from 3.5m bgl to the base of the hole at 6m bgl, beneath soft to firm cohesive glacial material. Similar material with high cobble content was recorded in TP SBC001 to 2.2m bgl, above the sandstone bedrock. Soft material was also encountered to 2.2m bgl in TP SBC008, above granular material.
- 4.3.14 TP SBC004 recorded firm to stiff material commencing at 0.5m bgl, becoming stiff to very stiff at 3.6m bgl to the base of the pit at 4.5m bgl. A band of stiff clay was recorded in TP SBC006 from 2.8 to 4.2m bgl, whilst TP SBC007 recorded stiff material at 1.6 to 3.3m bgl, above bedrock. Boreholes BH SBC006 and BH SBC010A also recorded stiff material from a minimum depth of 2.2m bgl.
- 4.3.15 The full thickness of the Cohesive Glacial Deposits was proven in nine locations along section 9.1, ranging between 0.5 and >5.5m thick. Superficial deposits were thinnest at the west of the scheme at BH SBC001, at just 0.8m thick.
- 4.3.16 Possible alluvium was encountered within NZ11SW75 at the start of the scheme between 1.4m and the base of the hole at 2.7m bgl. This material was described as soft to firm greenish grey/ orange brown and light grey very sandy thinly to thickly laminated clay, with many rootlet tracks and some partings of fine sand and rare pyritised fragments of vegetation. A hydrogen sulphide odour was recorded within the upper materials.

Table 4.3-4: Section 9.1 – In Situ and Laboratory Test Results for Cohesive Glacial Deposits

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk density (Mg/m <sup>3</sup> )	2	2.01-2.08	2.05	2.05
Particle density (Mg/m <sup>3</sup> )	2	2.65-2.66	2.66	2.66
Bulk Unit Weight (kN/m <sup>3</sup> )	5	19.72-21.88	20.79	20.40
Natural Moisture Content (%)	33	12-37	21	20
Liquid Limit (%)	25	15-69	35	33
Plastic Limit (%)	25	14-29	19	18
Plasticity Index (%)	25	0-40	17	16

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
PSD		13	-	-	-
<b>Strength</b>					
SPT N value <sup>1</sup>		13	11-54	24	20
SPT N <sub>60</sub> value <sup>1</sup>		13	9-49	21	18
Undrained Unconsolidated Triaxial Test, cu (kPa)		2	11-81	46	46
HSV (field), cu (kPa) <sup>2</sup>		44	36-120	66	60
Lab CBR (%)		6 (3)	0.2-1.3	0.75	0.795
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	1	1.99	1.99	1.99
	OMC (%)	1	11	11	11
MCV from MCC (multi-point)		4 (1)	4.1-8.6	N/A	N/A
MCV from NMC (single-point)		4	5-9.3	7.8	8.4
In situ Plate Load (equivalent CBR)		1	1.67	N/A	N/A
<b>Compressibility and consolidation</b>					
Oedometer Test @100kPa	mv (m <sup>2</sup> /MN)	1	0.354	0.354	0.354
	Cv (m <sup>2</sup> /yr)	1	5.77	5.77	5.77
<sup>1</sup> For SPT N <sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.1-4 for full extrapolated values.					

## Glacial Deposits – Granular

- 4.3.17 Granular Glacial Deposits were encountered in three locations in section 9.1, around the location of the proposed A66 embankment and underpass to the north of Dick Scot Lane.
- 4.3.18 TP SBC008 recorded bluish grey very clayey sand and gravel from 2.2 to 3.2m bgl below soft cohesive glacial till, and material described as clayey very sandy gravel from 3.2m bgl to the base of the trial pit at 5.5m bgl. The base of the granular material was not proven. Nearby borehole BH SBC010A recorded medium dense brown sandy gravel with medium cobble content from 4.3 to 5.7m bgl, beneath stiff clay and above bedrock. A thin layer of very clayey/ silty gravelly sand was also recorded at shallow depth from 0.3 to 0.9m bgl in TP SBC009.
- 4.3.19 Elsewhere, NZ11SW54 at the west end of the scheme recorded slightly clayey sand from 0.5 to 1.5m bgl.

Table 4.3-5: Section 9.1 – In Situ and Laboratory Test Results for Glacial Granular Deposits

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Natural Moisture Content (%)		1	21	21	21
PSD		3	N/A	N/A	N/A
<b>Strength</b>					
SPT N value <sup>1</sup>		1	18	18	18

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
SPT N <sub>60</sub> value <sup>1</sup>	1	16	16	16
<sup>1</sup> For SPT N <sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.1-4 for full extrapolated values.				

### Sandstone (Alston Formation)

- 4.3.20 Sandstone was encountered in BH SBC001 in the west of section 9.1 at 0.8m bgl, where it is described as weak and partially weathered, and interlaminated with mudstone at depth. Sandstone was proven to the base of the hole at 10m bgl.

Table 4.3-6: Section 9.1 – In Situ and Laboratory Test Results for Sandstone

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Strength</b>				
SPT N value <sup>1</sup>	2	100	-	-
SPT N <sub>60</sub> value <sup>1</sup>	2	>100	>100	>100
Rock water content (%)	3	8-23	13.3	8.8
Point Load Index	38	0-3.8	0.9	0.4
<sup>1</sup> For SPT N <sub>60</sub> /N value, range, mean and median are based on tests that reached full penetration or extrapolated uncorrected values up to SPT N = 100. See Figure S9.1-4 for full extrapolated values.				

### Mudstone (Alston Formation)

- 4.3.21 Mudstone was encountered within eight locations across section 9.1 ranging from 1.8 to 5.7m bgl along chainages Ch. 70+675 and 71.200m.
- 4.3.22 At rockhead, the top 1.5m of mudstone is typically described as extremely weak, distinctly weathered grey mudstone, often recovered as gravel. Deeper, more competent rock is typically described as weak to moderately weak or weak partially weathered grey mudstone.
- 4.3.23 Locally, in TP SBC007 and TP SBC009, the rock is described as laminated mudstone/siltstone rather than solely mudstone.
- 4.3.24 The base of the mudstone was not proven within section 9.1. The deepest borehole within mudstone reached 10.5m bgl in BH SBC009.

Table 4.3-7: Section 9.1 – In Situ and Laboratory Test Results for Mudstone

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Particle density (Mg/m <sup>3</sup> )	1	2.65	2.65	2.65
Natural Moisture Content (%)	4	8-32	17	14
Liquid Limit (%)	3	29-37	33	34
Plastic Limit (%)	3	17-21	19	18
Plasticity Index (%)	3	12-16	15	16
<b>Strength</b>				
SPT N value <sup>2</sup>	14	22-100	73	71
SPT N <sub>60</sub> value <sup>1</sup>	14	20 - >100	67	64



In-situ/ laboratory test results	No. of tests	Range	Mean	Median
Rock water content (%)	4	6.3-7.9	7.2	7.3
Point Load Index	64	0.1-1.7	0.65	0.5

<sup>1</sup> For SPT N<sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated uncorrected values up to SPT N<sub>60</sub> = 100. See Figure S9.1-4 for full extrapolated values.

## Groundwater

4.3.25 Groundwater was observed in a number of exploratory holes. Water strikes and standing water levels are reproduced in Table 4.3-8.

4.3.26 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021. Groundwater information is provided in Table 4.3-8 below and Figure S9-21.

Table 4.3-8: Section 9.1 – Groundwater Strikes Information

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH SBC008	3.8	168.6	2.4	170.0	20	Mudstone	Moderate inflow
BH SBC005	4	174.7	3.1	175.6	20	Mudstone	Moderate inflow
BH SBC007	3	177.8	1.5	179.3	20	Mudstone	Moderate inflow
BH SBC008	3.8	168.6	2.4	170.0	20	Mudstone	Moderate inflow
BH SBC009	7.5	166.0	-	-	-	Mudstone	Driller notes borehole making water
BH SBC010A	4.3	167.4	2.65	169.1	20	Glacial Deposits – Granular	
BH SBC010A	6	165.7	-	-	-	Mudstone	Artesian water conditions encountered overnight
TP SBC009	3.6	172.3	3.4	172.5	20	Mudstone	

Table 4.3-9: Section 9.1 – Groundwater Monitoring Information

Monitoring Point	Depth and Type of Well	Monitoring Round. Depth m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC001	2.00m 19mm	Dry	Dry	Dry	Dry	Dry	-	Sandstone	Unable to locate during round 6

Monitoring Point	Depth and Type of Well	Monitoring Round. Depth m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC002	4.00m 19mm	2.9 (164.1)	2.9 (164.0)	1.8 (165.1)	1.6 (165.3)	1.7 (165.3)	2.1 (164.8)	Glacial Deposits - Cohesive	-
BH SBC005	3.00m 19mm	1.5 (177.2)	1.8 (176.9)	2.2 (176.6)	2.3 (176.5)	2.2 (176.5)	Dry	Glacial Deposits - Cohesive	-
BH SBC006	7.00m 50mm	3.7 (176.0)	3.7 (176.0)	3.9 (175.8)	4.1 (175.6)	4.1 (175.6)	4.4 (175.3)	Mudstone	-
BH SBC008	4.00m 50mm	1.1 (171.3)	1.1 (171.3)	0.8 (171.7)	1.3 (171.1)	1.2 (171.2)	1.7 (170.7)	Glacial Deposits – Cohesive/ Mudstone	Moderate inflow
BH SBC009	5.00m 19mm	2.0 (171.5)	1.2 (172.3)	1.5 (172.0)	1.6 (171.9)	1.5 (172.0)	2.3 (171.3)	Mudstone	-
BH SBC011	2.50m 19mm	0.8 (168.3)	0.8 (168.2)	0.9 (168.1)	0.8 (168.2)	1.0 (168.0)	0.9 (168.1)	Glacial Deposits - Cohesive	-

- 4.3.27 Groundwater strikes were generally recorded at or just below the mudstone rockhead level. For example, BH SBC005, BH SBC007, BH SBC008 and TP SBC010A typically recorded moderate inflows at depths between 3 and 4m bgl. Groundwater was encountered deeper within BH SBC009, where water was encountered at 7.5m bgl, 5.7m below mudstone rockhead.
- 4.3.28 In BH SBC010A, located to the east of the proposed accommodation underpass, water strikes were recorded at 4.3m bgl within granular cohesive materials, and also at 6m bgl within mudstone. Artesian conditions of 0.4m bgl were recorded at the start of shift the day following drilling.
- 4.3.29 The groundwater strikes data and monitoring information indicate bedrock is likely to be saturated across the site. Two installations in mudstone generally recorded water levels at or around rockhead, while an installation within shallow sandstone bedrock (BH SBC001) was dry during every monitoring round. Groundwater levels within superficial deposits are variable and were recorded during monitoring between 1 and 2.2m bgl.
- 4.3.30 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.3.31 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.3.32 Limited groundwater information is available for bedrock, which should be assumed to be saturated. The observations from BH SBC010A indicate that artesian water may be present at the location of the proposed accommodation underpass at Ch 71+070 to the north of Dick Scot Lane. Installations within the superficial deposits indicate that groundwater is present often at shallow depth. Therefore, for the purposes of geotechnical design it should be assumed that groundwater levels are at or near ground level.

## 4.4 Section 9.2 – Dick Scot Lane to Collier Lane

4.4.1 Exploratory holes relevant to this section are given in Table 4.4-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:

- Topsoil
- Glacial Deposits – Cohesive
- Glacial Deposits - Granular
- Mudstone (Alston Formation)
- Limestone (Alston Formations)
- Sandstone (Alston Formation)

Table 4.4-1: Section 9.2 – Relevant Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC011	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC012	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC013	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC014	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC014A	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC015	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC016	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC017	Cable percussive borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC009	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC010	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC011	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC012	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC012A	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC013	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC014	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC015	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC016	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC017	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC018	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC022	Trial Pit

## Topsoil

- 4.4.2 Topsoil was recorded at ground level in all locations in this part of the scheme apart from TP SBC009 in the west, where Topsoil materials are recorded as Made Ground. As Made Ground is only recorded in one location, this stratum has not been described separately.
- 4.4.3 Topsoil was typically 0.3m thick, with a maximum thickness of 0.4m. It was typically described as slightly sandy occasionally organic clay with rootlets in trial pits, and friable and slightly gravelly within boreholes. The descriptions of Topsoil vary between the trial pit and borehole logs, it is considered the materials are similar, although some differences may arise where either ploughed material or Topsoil is present at ground level.
- 4.4.4 A summary of laboratory data available for the Topsoil is presented in Table 4.4-2, graphical data are presented as figures where applicable in Appendix D.

Table 4.4-2: Section 9.2 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	1	25	25	25

## Glacial Deposits – Cohesive

- 4.4.5 Cohesive Glacial Deposits form the majority of superficial material and were recorded in all locations in section 9.2, with the exception of BH SBC014, which terminated at 0.3m bgl on a sandstone boulder in the inspection pit.
- 4.4.6 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with medium or low cobble content, becoming firm to stiff or stiff with depth.
- 4.4.7 Gravel was typically fine to coarse, sub-angular, or sub-angular to sub-rounded of limestone, sandstone and mudstone. Cobbles were also sub-angular to sub-rounded of limestone, sandstone and mudstone.
- 4.4.8 Boulders were noted in the majority of boreholes in section 9.2, although no description of boulders is provided in these locations. TP SBC010 towards the west of the scheme encountered rounded limestone boulders, and TP SBC012A, recorded medium boulder content but no detailed description was provided.
- 4.4.9 Soft Cohesive Glacial Deposits were described locally, recorded at depths shallower than 1m bgl in three trial pits TP SBC010, TP SBC013 and TP SBC016. Soft to firm material was also recorded to a maximum depth of 2.8m in TP SBC015. In borehole BH SBC014A, soft to firm material was recorded from 7.2 to 15.5m bgl, although available SPT results indicate stronger material, this borehole was rotary drilled in soil below 7.2m bgl due to an obstruction.
- 4.4.10 Firm to stiff or stiff Cohesive Glacial Deposits were generally encountered at depths of 2m or greater although some shallow high strength material is indicated to be present. For example, BH SBC012 recorded firm to stiff clay at 0.7m bgl, whilst TP SBC017 recorded stiff clay at 1.1m bgl.
- 4.4.11 The full thickness of the Cohesive Glacial Deposits was only proven in three locations, ranging from 3.4m in the west (TP SBC009) and 22.0m thick in the east (BH SBC015). The base of the Cohesive Glacial Deposits ranged between c.172mOD in the west of section 9.2 and 134mOD in the east.

Table 4.4-3: Section 9.2 – In Situ and Laboratory Test Results for Cohesive Glacial Deposits

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk density (Mg/m <sup>3</sup> )	5	2.03-2.24	2.14	2.16

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
Particle density (Mg/m <sup>3</sup> )		7	2.53-2.80	2.64	2.64
Bulk Unit Weight (kN/M <sup>3</sup> )		23	19.91-22.07	21.15	21.89
Natural Moisture Content (%)		42	12-38	20	19
Liquid Limit (%)		27	26-59	34	33
Plastic Limit (%)		27	13-23	17	16
Plasticity Index (%)		27	12-42	17	16
PSD		18	N/A	N/A	N/A
<b>Strength</b>					
SPT N value <sup>1</sup>		41	12-100	37	26
SPT N <sub>60</sub> value <sup>1</sup>		41	10 - >100	34	23
Undrained Unconsolidated Triaxial Test, cu (kPa)		12	19-161	74.2	84
HSV (lab), cu (kPa)		25	9-296	87.6	71
HSV (field), cu (kPa) <sup>2</sup>		39	36 - >120 <sup>2</sup>	79 <sup>2</sup>	80 <sup>2</sup>
Consolidated Undrained Triaxial Test	ϕ'peak (°)	5	24-33.4	28.6	28.4
	c'peak (kPa)	5	1-8	3.8	2.0
Direct shear test	ϕ'peak (°)	2	17-31	24	24
	c'peak (kPa)	2	10-13	11.5	11.5
Lab CBR (%)		14 (7)	0.55-5.70	2.18	1.85
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	9	2-2.14	2.06	2.05
	OMC (%)	9	7.2-11	9.27	9
MCV from MCC (multi-point)		35 (7)	1.9-14.4	N/A	N/A
MCV from NMC (single point)		15	2.5-11.8	7.5	7.4
In-situ Plate Load (equivalent CBR)		1	2.65	N/A	N/A
<b>Compressibility and consolidation</b>					
Oedometer Test @100kPa	mv (m <sup>2</sup> /MN)	2	0.241-0.247	0.244	0.244
	Cv (m <sup>2</sup> /yr)	2	3.240-6.330	4.785	4.785
<sup>1</sup> For SPT N <sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N <sub>60</sub> = 100. See Figure S9.2-4 for full extrapolated values. <sup>2</sup> One sample exceeded the device measuring range of 120kPa. A value of 120kPa has been used for calculation of the statistics in this table.					

## Glacial Deposits – Granular

4.4.12 Granular Glacial Deposits were recorded in six locations in section 9.2. These generally consisted of mixed materials (very clayey or clayey sands or gravels) present at shallow depths of less than 2.4m bgl.

Table 4.4-4: Section 9.2 – In Situ and Laboratory Test Results for Granular Glacial Deposits

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Particle density (Mg/m <sup>3</sup> )		1	2.64	2.64	2.64
Natural Moisture Content (%)		4	14-21	18	18
Liquid Limit (%)		2	31-34	33	33
Plastic Limit (%)		2	18	18	18
Plasticity Index (%)		2	13-16	15	15
PSD		3	N/A	N/A	N/A
<b>Strength</b>					
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	1	2.02	2.02	2.02
	OMC (%)	1	9	9	9

## Mudstone (Alston Formation)

4.4.13 Mudstone was recorded in two locations in section 9.2 within TP SBC009 in the west and BH SBC014A in the east, ranging between 3.4m bgl and 21.5 m bgl respectively.

4.4.14 In the west mudstone was described as extremely weak weathered laminated mudstone/siltstone. In the east of this section, at the location of the West Layton Overbridge (BH SBC014A) mudstone was encountered as interbedded between sandstone, recorded between 21.5 to 24.3m bgl and 25.1m bgl to the base of the hole at 25.6m bgl where it was described as extremely weak interlaminated clayey mudstone and very weak siltstone, distinctly weathered to residual.

Table 4.4-5: Section 9.2 – In Situ and Laboratory Test Results for Mudstone

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Bulk unit weight (kN/m <sup>3</sup> )		1	21.40	21.40	21.40
<b>Strength</b>					
SPT N value <sup>1</sup>		1	100	100	100
SPT N <sub>60</sub> value <sup>1</sup>		1	>100	>100	>100
UCS (MPa)		1	0.365	0.365	0.365
Point Load Index		4	0-0.7	0.2	0.1
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated uncorrected values up to SPT N = 100. See Figure S9.2-4 for full extrapolated values.					

### Limestone (Alston Formation)

- 4.4.15 Limestone was recorded in one location in the east of section 9.2, BH SBC015, immediately south of West Layton Overbridge.
- 4.4.16 The presence of limestone here is consistent with available geological mapping which indicates a change of bedrock geology at rockhead from Alston Formation to the Four Fathom Limestone Member.
- 4.4.17 Rockhead was encountered at 22.5m bgl. The top 0.8m experienced poor recovery and was described by drillers as mudstone and limestone. Material below 23.3m bgl was described as partially weathered medium strong yellow grey limestone.

Table 4.4-6: Section 9.2 – In Situ and Laboratory Test Results for Limestone

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Strength</b>				
Point Load Index	9	1.4-6.3	4.0	4.8
Natural Moisture Content (%)	0	N/A	N/A	N/A

### Sandstone (Alston Formation)

- 4.4.18 Sandstone was recorded in one exploratory hole within section 9.2 (BH SBC014A), located at the proposed West Layton Overbridge.
- 4.4.19 Sandstone was encountered at rockhead at 16.8m bgl, described as partially weathered very weak to weak clayey sandstone. At 19.8m bgl the sandstone becomes distinctly weathered with interlamination and thin interbeds of siltstone. Sandstone was again recorded at 24.3m bgl to 25.05m bgl, where it was recorded as very weak and distinctly weathered.

Table 4.4-7: Section 9.2 – In Situ and Laboratory Test Results for Sandstone

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk Unit Weight (kN/m <sup>3</sup> )	1	22.95	22.95	22.95
<b>Strength</b>				
SPT N value <sup>1</sup>	3	50-84	65	61
SPT N <sub>60</sub> value <sup>1</sup>	3	54-91	70	66
UCS (MPa)	1	31.9	31.9	31.9
Point Load Index	16	0-3.2	0.8	0.6
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.2-4 for full extrapolated values.				

### Groundwater

- 4.4.20 Groundwater was observed in a number of exploratory holes. Water strikes and standing water levels are reproduced in Table 4.4-8.
- 4.4.21 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021. Groundwater information is provided in Table 4.4-9 below and Figure 9-21.

Table 4.4-8: Section 9.2 – Groundwater Strikes Information

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH SBC014A	19.5	139.4	-	-	-	Sandstone	Heavy inflow
TP SBC009	3.6	172.3	3.4	172.5	20	Mudstone	-
TP SBC014	1	161.1	-	-	-	Glacial Deposits - Cohesive	-

Table 4.4-9: Section 9.2 – Groundwater Monitoring Information

Monitoring Point	Depth and Type of Well	Monitoring Round Depth m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC013	8.00m 19mm	5.1 (158.5)	5.4 (158.2)	5.6 (158.0)	5.7 (157.9)	5.7 (157.9)	5.7 (158.0)	Glacial Deposits - Cohesive	-
BH SBC014A	14.00m 19mm	Dry	6.5 (152.5)	6.6 (152.3)	6.5 (152.4)	6.5 (152.4)	7.3 (151.6)	Glacial Deposits - Cohesive	-
BH SBC016	5.00m 19mm	0.5 (157.6)	0.7 (157.4)	0.8 (157.3)	1.0 (157.2)	1.0 (157.1)	1.26 (158.1)	Glacial Deposits - Cohesive	-
BH SBC017	3.00m 19mm	0.9 (150.6)	0.9 (150.6)	1.1 (150.4)	1.0 (150.5)	1.1 (150.4)	1.4 (151.5)	Glacial Deposits - Cohesive	-

- 4.4.22 Three water strikes were recorded in section 9.2. TP SBC009 recorded a water strike at 3.6m at the mudstone/siltstone rockhead. The remaining two water strikes were at or close to the proposed West Layton Overbridge. TP SBC014, recorded a water strike at 1m bgl at the top of a layer of very clayey sandy gravel. BH SBC014A recorded heavy inflow at 19.5m bgl within the sandstone bedrock.
- 4.4.23 Four groundwater monitoring installations were in Cohesive Glacial Deposits constructed relatively deep (between 8 and 14m bgl). These recorded stabilised water levels from 5.7 to 6.5m bgl. Those installed at shallower depths (between 3 and 5m bgl) stabilised at 1m bgl.
- 4.4.24 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.4.25 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.4.26 Limited groundwater information is available for bedrock, which should be assumed to be saturated. Installations within the superficial deposits indicate that groundwater is present often at shallow depth. Therefore, for the purposes of geotechnical design it should be assumed that groundwater levels are at or near ground level.



## 4.5 Section 9.3 – Collier Lane to west of Moor Lane

4.5.1 Exploratory holes relevant to this section are given in Table 4.5-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:

- Topsoil
- Made Ground
- Glacial Deposits – Cohesive
- Glacial Deposits - Granular

Table 4.5-1: Section 9.3 – Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC017	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC018	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC019	Cable percussive borehole
HA GDMS, 2016	BH01-29695	Cable percussive borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC018	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC019	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC020	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC021	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC022	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC023	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC024	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC025	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC026	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW10	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW11	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW12	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW13	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW14	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW15	Trial Pit
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NW16	Trial Pit

### Topsoil

4.5.2 Topsoil was recorded at ground level in all locations from the 2021 ground investigation and the majority of historical locations.

4.5.3 Made Ground was recorded in two historical locations however these are located outside the area of the proposed works for this scheme and therefore are not considered to be significant.

- 4.5.4 The Topsoil was typically 0.3m thick, with a maximum thickness of 0.5m in TP SBC025, comprising slightly sandy slightly gravelly organic clay with rootlets in trial pits, and friable sandy slightly gravelly clay in boreholes. It is likely the material being described in the trial pits and boreholes is similar, although some differences may arise where either ploughed material or Topsoil is present at ground level.
- 4.5.5 A summary of laboratory data available for the Topsoil is presented in Table 4.5-2, graphical data are presented as figures where applicable in Appendix D.

Table 4.5-2: Section 9.3 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	2	46-49	48	48
Liquid Limit (%)	1	51	51	51
Plastic Limit (%)	1	29	29	29
Plasticity Index (%)	1	22	22	22

### Glacial Deposits – Cohesive

- 4.5.6 Cohesive Glacial Deposits form the principal superficial deposits and were recorded in all locations in section 9.3, except one of historical trial pits east of Ravensworth Lodge which terminated within Topsoil.
- 4.5.7 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with low or medium cobble content, often soft or soft to firm at shallow depth, becoming firm to stiff or stiff with depth.
- 4.5.8 Gravel was typically fine to coarse, sub-angular, of limestone, sandstone and mudstone. Cobbles were typically sub-angular to sub-rounded of limestone and sandstone.
- 4.5.9 Boulders were not commonly recorded in this part of the scheme. They were recorded in several historical trial pits to the east of Ravensworth Lodge. A cobble/ boulder obstruction 0.4m thick was encountered within Cohesive Glacial Deposits in BH SBC019. Boulders were also recorded in TP SBC020 where limestone boulder content was recorded at 0.6 to 2.4m bgl.
- 4.5.10 The Cohesive Glacial Deposits appear to have a higher granular content in the east of this section. The cohesive material described in the trial pits from TP SBC023 onwards is typically gravelly and sandy or very sandy, often with a high cobble content. It is noted that a greater prevalence of granular strata was also recorded in this area, as described below.
- 4.5.11 Softer material appears to be concentrated in historical trial pits to the east of Ravensworth Lodge and was also recorded in trial pits east of and including TP SBC023. In TP SBC023 – TP SBC026, soft or soft to firm clay was typically recorded to a depth of 1.8m bgl, locally up to 2.6m bgl in TP SBC024, overlaying stronger material or granular strata.
- 4.5.12 Stiff Cohesive Glacial Deposits were recorded in most trial pits from a minimum depth of 2.4m bgl. Firm to stiff Glacial Deposits were also recorded in boreholes BH SBC018 and BH SBC019 from a minimum depth of 1.5m bgl.
- 4.5.13 The full thickness of the Cohesive Glacial Deposits was not proven in this part of the scheme. The deepest borehole, BH SBC017 terminated at 8m bgl in cohesive materials.

Table 4.5-3: Section 9.3 – In Situ and Laboratory Test Results for Cohesive Glacial Deposits

In situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Bulk unit weight (kN/m <sup>3</sup> )		3	20.99-21.58	21.29	21.29
Particle density (Mg/m <sup>3</sup> )		7	2.56-2.66	2.63	2.64
Natural Moisture Content (%)		27	12-38	20	19
Liquid Limit (%)		21	20-49	34	32
Plastic Limit (%)		21	14-23	18	18
Plasticity Index (%)		21	6-27	16	15
PSD		11	N/A	N/A	N/A
<b>Strength</b>					
SPT N value <sup>1</sup>		11	12-100	27	20
SPT N <sub>60</sub> value <sup>1</sup>		11	10 - >100	25	18
Undrained Unconsolidated Triaxial Test, cu (kPa)		1	87	87	87
HSV (lab), cu (kPa)		2	72-109	90.5	90.5
HSV (field), cu (kPa) <sup>2</sup>		36	36-116	72	70
Consolidated Undrained Triaxial Test	ϕ'peak (°)	2	24.0-27.7	25.85	25.85
	c'peak (kPa)	2	2-6	4	4
<b>Compaction</b>					
Lab CBR (%)		10 (5)	1.5-3.4	2.2	2.2
In situ Plate Load Test (equivalent CBR %)		1	4.94	N/A	N/A
MCV from MCC (multi-point)		15 (3)	4.6-12.8	N/A	N/A
MCV from NMC (single-point)		2	8.8-11.8	10.3	10.3
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	4	1.93-2.14	2.01	1.99
	OMC (%)	4	7.5-14	10.8	10.85
<b>Compressibility and consolidation</b>					
Oedometer Test @100kPa	mv (m <sup>2</sup> /MN)	1	0.247	0.247	0.247
	Cv (m <sup>2</sup> /yr)	1	4.79	4.79	4.79
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.3-4 for full extrapolated values.					

## Glacial Deposits – Granular

4.5.14 Granular Glacial Deposits were recorded in two historical trial pits carried out adjacent to the existing A66 alignment and Ravensworth Lodge, at least 50m east of the proposed access to

West Layton Overbridge. These encountered shallow clayey sandstone gravel 0.2 to 0.3m thick, and locally and loose cobbly gravel.

- 4.5.15 Granular material was recorded in all five recent trial pits east of and including TP SBC021, and was typically 0.5m thick. This comprised sand and gravel with high cobble content often clayey, or clayey sandy gravel or gravelly sand, recorded at a depth of 1.8 to 2.6m bgl.
- 4.5.16 Granular deposits were most prominent within TP SBC023 where sand was encountered directly below topsoil materials.

Table 4.5-4: Section 9.3 – In Situ and Laboratory Test Results for Granular Glacial Deposits

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	2	17	17	17
PSD	4	N/A	N/A	N/A

## Groundwater

- 4.5.17 Groundwater was observed in a number of exploratory holes. Water strikes and standing water levels are reproduced in Table 4.5-5.
- 4.5.18 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021. Groundwater information is provided in Table 4.5-6 below and Figure 9-21.

Table 4.5-5: Section 9.3 – Groundwater Strikes

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH01-29695	4.25	133.55	-	-	-	Glacial Deposits - Cohesive	-

Table 4.5-6: Section 9.3 – Groundwater Monitoring Summary

Monitoring Point	Depth and Type of Well	Monitoring Round m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC017	3.00m 19mm SPIE	0.9 (150.6)	0.9 (150.6)	1.1 (150.4)	1.0 (150.5)	1.1 (150.4)	1.4 (150.1)	Glacial Deposits - Cohesive	-
BH SBC018	2.50m 19mm SPIE	0.7 (152.9)	0.7 (152.9)	1.0 (152.7)	0.9 (152.8)	0.9 (152.7)	1.5 (152.2)	Glacial Deposits - Cohesive	-
BH SBC019	3.50m 19mm SPIE	0.8 (140.8)	1.3 (140.3)	1.3 (140.4)	0.9 (140.8)	0.8 (140.8)	1.2 (140.4)	Glacial Deposits - Cohesive	-

- 4.5.19 Groundwater monitoring installations located within section 9.3 recorded water within cohesive Glacial Deposits to range between 0.7 and 1.5m bgl.

- 4.5.20 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.5.21 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.5.22 For the purposes of geotechnical design ground water levels should be assumed at or near ground level.

## 4.6 Section 9.4 - Moor Lane Underbridge

- 4.6.1 Exploratory holes relevant to this section are given in Table 4.6-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:
  - Topsoil
  - Made Ground (only two locations, explained in Topsoil section)
  - Glacial Deposits – Cohesive

Table 4.6-1: Section 9.4 – Relevant Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC020	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC021	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC022	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC024	Cable percussive borehole & rotary core follow on
Allied Exploration Geotechnics Ltd, 2021.	BH SBC026	Cable percussive borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC027	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC028	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC029	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC032	Trial Pit

### Topsoil

- 4.6.2 Topsoil was recorded at ground level in all locations from the 2021 ground investigation except BH SBC026 where Made Ground was recorded.
- 4.6.3 Made Ground was also recorded within historical hole BH03-29695 to the south of the de-trunked A66, outside the area of principle proposed works. The materials encountered within BH SBC026 and BH03-29695 were predominantly consistent with description of Topsoil materials with some gravel and cobbles recorded as 0.2m and 0.25m thick.
- 4.6.4 Topsoil was typically 0.3m thick, with a maximum thickness of 0.4m. It was typically described as slightly sandy clay with rootlets in trial pits and friable sandy slightly gravelly clay in boreholes. It is likely the material being described in the trial pits and boreholes is similar, although some differences may arise where either ploughed material or Topsoil is present at ground level.

Table 4.6-2: Section 9.4 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	3	29-35	32	31
PSD	1	N/A	N/A	N/A

### Glacial Deposits – Cohesive

- 4.6.5 Cohesive Glacial Deposits form the principal superficial deposits and were recorded in all locations in section 9.4.
- 4.6.6 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with low or medium cobble content, becoming stiff or occasionally very stiff with depth.
- 4.6.7 Gravel was typically fine to coarse, sub-angular, of limestone, sandstone and mudstone. Cobbles were typically sub-angular to sub-rounded of limestone and sandstone.
- 4.6.8 Low boulder content of limestone, mudstone, sandstone and metamorphic lithologies was recorded within the cohesive Glacial Deposits in TP SBC027 and TP SBC028. Boulders were also noted in boreholes located near to Moor Lane Junction.
- 4.6.9 In TP SBC027 soft material was recorded from 0.15 to 0.6m bgl, and from 2.4 to 3.7m bgl.
- 4.6.10 Firm to stiff material was recorded below 3.7m bgl in the northwest of this part of the scheme. Further east, very stiff fissured/ fractured clay is recorded in TP SBC028 from 2.9 to 5m bgl, similar conditions were recorded in TP SBC029 which recorded stiff to very stiff material from 2.7m bgl to the base of the pit at 4.5m depth.
- 4.6.11 The thickness of the cohesive Glacial Deposits was not proven in this part of the scheme. The deepest borehole, BH SBC024, terminated at 25m bgl in Cohesive Glacial Deposits. A historical borehole (NZ10NE62) drilled at Mainsgill Farm Shop to the south of the proposed works, outside the area described in this ground summary, recorded 65m of Glacial Deposits before encountering rock. Rock is therefore believed to be deep in this section of the scheme.

Table 4.6-3: Section 9.4 – In Situ and Laboratory Test Results for Glacial Deposits Cohesive

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk density (Mg/m <sup>3</sup> )	3	2.08-2.27	2.17	2.15
Bulk unit weight (kN/m <sup>3</sup> )	10	20.31-22.27	21.23	21.09
Particle density (Mg/m <sup>3</sup> )	5	2.64-2.67	2.65	2.65
Natural Moisture Content (%)	25	12-33	18	17
Liquid Limit (%)	18	15-49	30	29
Plastic Limit (%)	18	12-22	15	15
Plasticity Index (%)	18	0-27	15	15
PSD	13	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	36	16-100	40	32
SPT N <sub>60</sub> value <sup>1</sup>	36	14 - >100	37	29

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
Undrained Unconsolidated Triaxial Test, cu (kPa)		5	25-232	89.6	67
HSV (lab), cu (kPa)		15	13->120 <sup>2</sup>	83.5	94
HSV (field), cu (kPa) <sup>2</sup>		27	36 - >120 <sup>2</sup>	99 <sup>2</sup>	109
Consolidated Undrained Triaxial Test	ϕ'peak (°)	2	31-33	32	
	c'peak (kPa)	2	3-4	3.5	
Direct shear test	ϕ'peak (°)	3	23-31	30	25
	c'peak (kPa)	3	1-15	6	2
<b>Compaction</b>					
Lab CBR (%)		8 (4)	0.5-4.1	2.3	2.3
In situ Plate Load (equivalent CBR %)		1	2.14	N/A	N/A
MCV from MCC (multi-point)		20 (4)	3.6-14.9	N/A	N/A
MCV from NMC (single-point)		16	1.6-13.1	7.7	7.8
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	6	1.78-2.11	1.98	2.00
	OMC (%)	6	7.5-11	9.8	9.8
<p><sup>1</sup> For SPT N<sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N<sub>60</sub> = 100. See Figure S9.7-4 for full extrapolated values.</p> <p><sup>2</sup> HSV values &gt;120kPa not included in range or averages</p>					

## Groundwater

- 4.6.12 Groundwater was observed in a number of exploratory holes. Water strikes and standing water levels are reproduced in Table 4.6-4.
- 4.6.13 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021. Groundwater information is provided in Table 4.6-5 below and Figure S9-21 of Appendix D.

Table 4.6-4: Section 9.4 – Groundwater Strikes

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise	Geology	Comment
BH SBC022	5.2	140.8	-	-	-	Glacial Deposits - Cohesive	Moderate inflow
BH SBC024	16.1	129.797				Glacial Deposits - Cohesive	Moderate inflow

Table 4.6-5: Section 9.4 – Groundwater Monitoring Summary

Monitoring Point	Depth and Type of Well	Monitoring round Depth m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC019	3.50m 19mm SPIE	0.8 (140.8)	1.3 (140.3)	1.3 (140.4)	0.9 (140.8)	0.8 (140.8)	1.2 (140.4)	Glacial Deposits - Cohesive	
BH SBC020	5.50m 19mm SPIE	1.4 (147.0)	1.4 (147.0)	1.8 (146.6)	1.8 (146.6)	1.8 (146.6)	2.3 (146.1)	Glacial Deposits - Cohesive	
BH SBC021	2.50m 19mm SPIE	0.7 (147.7)	0.7 (147.7)	0.9 (147.5)	0.9 (147.6)	0.8 (147.6)	1.0 (147.4)	Glacial Deposits - Cohesive	
BH SBC022	1.50m 19mm SPIE	0.6 (145.4)	0.7 (145.4)	0.7 (145.3)	0.7 (145.3)	0.7 (145.3)	0.8 (145.2)	Glacial Deposits - Cohesive	
BH SBC024	15.00m 19mm	5.9 (140.0)	3.7 (142.2)	2.4 (143.5)	2.2 (143.7)	2.1 (143.8)	1.8 (144.1)	Glacial Deposits - Cohesive	

- 4.6.14 Groundwater monitoring installations located within section 9.4 recorded water within cohesive Glacial Deposits to range between 0.7 and 2.3m bgl, indicating that shallow groundwater is likely. BH SBC024 recorded groundwater as deep as 5.9m bgl on the first monitoring round, which gradually reduced to 1.8m bgl by the final monitoring round.
- 4.6.15 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.6.16 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.6.17 For the purposes of geotechnical design ground water levels should be assumed at or near ground level.

## 4.7 Section 9.5 - Moor Lane to end of scheme (A66)

- 4.7.1 Exploratory holes relevant to this section are given in Table 4.7-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:
- Topsoil
  - Made Ground
  - Glacial Deposits – Cohesive
  - Glacial Deposits - Granular
  - Limestone (Alston Formation)
  - Sandstone (Alston Formation)



Table 4.7-1: Section 9.5 – Relevant Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC023	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC023A	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC024	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC025	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC026	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC027	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC028	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC029	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC030	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC031	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC032	Cable percussive borehole
Allied Exploration Geotechnics Ltd, 2021.	BH SBC032A	Cable percussive borehole
HA GDMS, 2016 (British Geological Survey)	BH02-29695	Cable percussive borehole
HA GDMS, 2016 (British Geological Survey)	BH03-29695	Cable percussive borehole
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NE14	Cable percussive borehole
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NE15	Cable percussive borehole
Halcrow Group Ltd, 2008 (British Geological Survey)	NZ10NE19	Cable percussive borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC030	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC031	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC032	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC033	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC034	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC035	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC036	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC038	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC042	Trial Pit
BGS Historical Boreholes	NZ10NE16	Trial Pit
BGS Historical Boreholes	NZ10NE17	Trial Pit
BGS Historical Boreholes	NZ10NE18	Trial Pit

## Topsoil

4.7.2 Topsoil was recorded at ground level in all but three locations from the 2021 ground investigation, BH SBC026, BH SBC032 and BH SBC032A, where Made Ground was recorded.

4.7.3 Topsoil was typically 0.3m thick, with a maximum thickness of 0.75m, including subsoil in TP SBC038. It was typically described as friable sandy slightly gravelly clay with rootlets.

Table 4.7-2: Section 9.5 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	7	24-53	35	35
Liquid Limit (%)	6	37-70	51	49
Plastic Limit (%)	6	22-41	29	28
Plasticity Index (%)	6	15-29	22	21
PSD	1	N/A	N/A	N/A

## Made Ground

4.7.4 Made Ground was recorded in four locations, BH SBC026, BH SBC032, BH SBC032A and BH03-29695. BH SBC032 and BH SBC032A were carried out adjacent to the existing ponds to the south of the A66 in the east of the scheme.

4.7.5 BH SBC032 recorded tarmac at 0.1 to 0.4m bgl, with limestone gravel above and also below to 1.6m bgl. BH SBC032A located at an adjacent location recorded firm reworked Cohesive Glacial Deposits to 0.9m bgl.

Table 4.7-3: Section 9.5 – In Situ and Laboratory Test Results for Made Ground

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	1	29	29	29
Liquid Limit (%)	1	17	17	17
Plastic Limit (%)	1	17	17	17
Plasticity Index (%)	1	N/A	N/A	N/A
PSD	1	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	1	16	16	16
SPT N <sub>60</sub> value <sup>1</sup>	1	14	14	14
<sup>1</sup> For SPT N <sub>60</sub> value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N <sub>60</sub> = 100. See Figure S9.6-4 for full extrapolated values.				

## Glacial Deposits – Cohesive

4.7.6 Cohesive Glacial Deposits form the principal superficial deposits and were recorded in all locations in this part of the scheme.

- 4.7.7 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with low or medium cobble content, often soft or soft to firm at shallow depth, becoming firm to stiff or stiff with depth.
- 4.7.8 Gravel was typically fine to coarse, sub-angular, of limestone, sandstone and mudstone. Cobbles were typically sub-angular to sub-rounded of limestone and sandstone and occasionally metamorphic lithologies. Gravel bands were noted within the cohesive Glacial Deposits in BH SBC029 and BH SBC030.
- 4.7.9 Boulders were only recorded in one location TP SBC035, to the northwest of the existing Carkin Moor cutting. This comprised low sandstone boulder content recorded from 2.1 to 3.0m bgl.
- 4.7.10 Soft or soft to firm material was encountered, generally at shallow depth of less than 1.2m bgl. Deeper soft material was recorded near the existing ponds to the south of the A66, described in TP SBC036 as soft to firm very sandy very gravelly clay between 0.8 to 3.3m bgl overlying soft silty clay to the base of the pit at 4.5m bgl. Soft and soft to firm material was also recorded in TP SBC038 to 2.3m bgl.
- 4.7.11 Stiff Cohesive Glacial Deposits were generally recorded at depths below approximately 2.5m bgl. Firm to stiff or firm becoming stiff material was frequently encountered at shallow depths less than 1m bgl.
- 4.7.12 The thickness of the Cohesive Glacial Deposits was proven in the east of the scheme. Sandstone was recorded at 4.2m bgl in historical location NZ10NE19. This location is east of the proposed works of this project.
- 4.7.13 In the central and eastern parts of section 9.5 the thickness of the Glacial Deposits is more uncertain. Several boreholes carried out as part of the 2021 ground investigation reached depths of between 10.5 and 17m bgl and did not encounter bedrock although trial pit TP SBC042 at Ch. 74+150 recorded limestone at the base of the pit at 3.8m bgl. It is not clear whether this is shallow bedrock or a limestone boulder.

Table 4.7-4: Section 9.5 – In Situ and Laboratory Test Results for Cohesive Glacial

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk unit weight (kN/m <sup>3</sup> )	18	20.31-22.66	21.55	21.58
Particle density (Mg/m <sup>3</sup> )	1	2.63	2.63	2.63
Natural Moisture Content (%)	38	10-29	16	14
Liquid Limit (%)	26	14-49	33	33
Plastic Limit (%)	26	12-25	17	16
Plasticity Index (%)	26	0-25	16	16
PSD	9	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	65	11-100	38	31
SPT N <sub>60</sub> value <sup>1</sup>	65	10 - >100	35	28
Undrained Unconsolidated Triaxial Test, cu (kPa)	10	72-354	140.6	114
HSV (lab), cu (kPa) <sup>2</sup>	27	33-120 <sup>2</sup>	114.0	123
HSV (field), cu (kPa) <sup>2</sup>	24	66 - >120 <sup>2</sup>	97 <sup>2</sup>	99 <sup>2</sup>

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
Consolidated Undrained Triaxial Test	$\phi'$ peak (°)	6	27.5-34.8	30.37	30
	c'peak (kPa)	6	1-8	4.5	4
Direct shear test	$\phi'$ peak (°)	2	21-23	22	
	c'peak (kPa)	2	2-5	3.5	
<b>Compaction</b>					
In situ Plate Load (equivalent CBR %)		1	3.02	N/A	N/A
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	2	1.93-2	1.965	1.965
	OMC (%)	2	7.9-14	10.95	10.95
MCV from MCC (multi-point)		10 (2)	4.4-15	N/A	N/A
MCV from NMC (single-point)		7	5.8-9.4	7.9	8.0
<b>Compressibility and consolidation</b>					
Oedometer Test @100kPa	mv (m <sup>2</sup> /MN)	3	0.182-0.269	0.215	0.195
	Cv (m <sup>2</sup> /yr)	3	7.15-7.43	7.31	7.35
<p><sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.6-4 for full extrapolated values.</p> <p><sup>2</sup> One sample exceeded the device measuring range of 120kPa. A maximum value of 120kPa has been used for calculation of the statistics in this table.</p>					

## Glacial Deposits – Granular

- 4.7.14 Granular Glacial Deposits were recorded in two locations from the 2021 ground investigation. BH SBC028 reported very clayey very gravelly sand from 0.9 to 1.9m bgl. BH SBC031, which was located in land adjacent to the existing Carkin Moor cutting, recorded brown very clayey sandy gravel from 4.7 to 5.4m bgl.
- 4.7.15 Sand was also recorded in two historical locations NZ10NE17 and NZ10NE18, which were carried out to the east of the principal development on this scheme, to support previous dualling works and are not considered further.

Table 4.7-5: Section 9.5 – In Situ and Laboratory Test Results for Granular Glacial

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	1	21	21	21
Liquid Limit (%)	1	32	32	32
Plastic Limit (%)	1	18	18	18
Plasticity Index (%)	1	14	14	14
PSD	3	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	3	20-100	47	22

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
SPT N <sub>60</sub> value <sup>1</sup>	3	18 - >100	45	20
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.6-4 for full extrapolated values.				

### Limestone (Alston Formation)

4.7.16 Trial pit TP SBC042 at Ch. 74+150m recorded strong to very strong limestone recovered as gravel and cobbles at the base of the pit at 3.8m to 4.0 bgl. It is not clear whether this is shallow bedrock or a limestone boulder.

### Sandstone (Alston Formation)

4.7.17 Sandstone was recorded at 4.2m bgl in historical location NZ10NE19 and also in several other historical locations nearby. These locations are east of the proposed works of this project. It is noted that other exploratory holes did not encounter bedrock in the area (maximum hole depth 10m).

Table 4.7-6: Section 9.5 – In Situ and Laboratory Test Results for Sandstone

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Strength</b>				
SPT N value <sup>1</sup>	1	100	100	100
SPT N <sub>60</sub> value <sup>1</sup>	1	100	100	100
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100.				

### Groundwater

4.7.18 Groundwater was observed in a number of exploratory holes. Water strikes and standing water levels are reproduced in Table 4.7-7.

4.7.19 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021. Groundwater information is provided in Table 4.7-8 below and Figure 9.21.

Table 4.7-7: Section 9.5 – Groundwater Strikes Summary

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH SBC023A	7.4	138.0	-	-	-	Glacial Deposits – Cohesive	Water strikes between 7.4 and 7.8m bgl
BH SBC025	1.3	141.7	1.2	141.8	20	Glacial Deposits – Cohesive	-
BH SBC025	15.1	127.9	-	-	-	Glacial Deposits- Cohesive	Moderate inflow
BH SBC029	3.5	146.7	2.6	147.6	20	Glacial Deposits - Cohesive	Slow inflow

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH SBC030	5	145.3	3.6	146.6	20	Glacial Deposits - Cohesive	Slow inflow
BH02-29695	4.35	143.8	-	-	-	Glacial Deposits - Cohesive	-
TP SBC036	3	144.3				Glacial Deposits - Cohesive	

Table 4.7-8: Section 9.5 – Groundwater Monitoring Summary

Monitoring Point	Depth and Type of Well	Monitoring Round - Depth m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC023A	8.5 19mm	6.4 (139.0)	4.3 (141.0)	2.8 (142.5)	2.5 (142.9)	2.3 (143.1)	2.0 (143.3)	Glacial Deposits - Granular	
BH SBC025	4 19mm	1.8 (141.2)	1.8 (141.2)	1.7 (141.3)	1.9 (141.1)	1.9 (141.1)	2.1 (140.9)	Glacial Deposits - Cohesive	
BH SBC026	4.5 19mm	1.1 (142.5)	1.1 (142.5)	1.3 (142.4)	1.2 (142.4)	1.1 (142.6)	-	Glacial Deposits - Cohesive	
BH SBC027	2.5 19mm	0.9 (141.1)	0.9 (141.1)	0.9 (141.1)	0.9 (141.1)	1.0 (141.0)	1.1 (140.8)	Glacial Deposits - Cohesive	
BH SBC029	4.50m 19mm SPIE	1.2 (149.0)	1.4 (148.8)	1.3 (148.8)	1.2 (149.0)	1.2 (149.0)	1.1 (149.0)	Glacial Deposits - Cohesive	
BH SBC030	3.00m 19mm SPIE	0.4 (149.9)	0.5 (149.8)	0.6 (149.7)	0.6 (149.7)	0.6 (149.7)	0.9 (149.3)	Glacial Deposits - Cohesive	
BH SBC031	6.50m 19mm SPIE	6.0 (149.6)	6.1 (149.6)	6.1 (149.6)	6.0 (149.7)	5.9 (149.7)	5.9 (149.8)	Glacial Deposits - Cohesive	
BH SBC032A	7.00m 50mm SP	6.1 (141.4)	5.7 (141.8)	4.6 (142.9)	4.2 (143.3)	3.6 (143.9)	1.3 (146.1)	Glacial Deposits - Cohesive	

4.7.20 The groundwater strikes and monitoring information indicate generally shallow groundwater levels across the scheme area, with ground water strikes encountered between 1.3 and 15.1m bgl within Cohesive Glacial Deposits.

- 4.7.21 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.7.22 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.7.23 For the purposes of geotechnical design ground water levels should be assumed at or near ground level.

## 4.8 Section 9.6 - Moor Lane to end of scheme (access road to south)

- 4.8.1 Exploratory holes relevant to this section are given in Table 4.8-1 below, see also the summary table in Appendix C. These indicate the presence of the following geological strata:
- Topsoil
  - Glacial Deposits – Cohesive
  - Glacial Deposits - Granular
  - Limestone (Alston Formations)

Table 4.8-1: Section 9.6 – Relevant Exploratory Holes

Source/Date	Borehole ID	Type
<b>BOREHOLES</b>		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC029	Cable percussive borehole
<b>TRIAL PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC030	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC035	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC039	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC040	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC041	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC041A	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC042	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC043	Trial Pit
Allied Exploration Geotechnics Ltd, 2021.	TP SBC044	Trial Pit

### Topsoil

- 4.8.2 Topsoil was recorded at ground level in all but three locations from the 2021 ground investigation, TP SBC040, TP SBC041 and TP SBC041A, where Made Ground was recorded.
- 4.8.3 Topsoil was typically 0.3 to 0.4m thick, with a maximum thickness of 0.8m, including friable material with tree roots in TP SBC041/41A. It was typically described as slightly sandy slightly gravelly clay with rootlets.
- 4.8.4 The Made Ground is 0.3m thick and generally has a description consistent with Topsoil although some ceramic tile is present in TP SBC040 and roadstone in TP SBC041/41A. As no significant Made Ground was observed it is not described separately below.

Table 4.8-2: Section 9.6 – In Situ and Laboratory Test Results for Topsoil

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	3	25-35	30	29
Liquid Limit (%)	3	38-46	43	44
Plastic Limit (%)	3	21-26	24	24
Plasticity Index (%)	3	17-20	19	20
PSD	1	N/A	N/A	N/A

### Glacial Deposits – Cohesive

- 4.8.5 Cohesive Glacial Deposits form the principal superficial deposits and were recorded in all locations in this part of the scheme apart from TP SBC041 where shallow material have been classed as Topsoil due to the present of roots.
- 4.8.6 Cohesive Glacial Deposits were typically described as firm slightly sandy slightly gravelly clay with low or medium cobble content, often soft or soft to firm at shallow depth, becoming firm to stiff with depth.
- 4.8.7 Gravel was typically fine to coarse, sub-angular, of limestone, sandstone and mudstone. Cobbles were typically sub-angular to sub-rounded of limestone, mudstone and sandstone and occasionally metamorphic lithologies. Gravel bands were noted within the cohesive Glacial Deposits in BH SBC029.
- 4.8.8 Boulders were only recorded in two locations, TP SBC035 and TP SBC043, in section 9.6. comprising low sandstone boulder content.
- 4.8.9 Soft or soft to firm material was encountered in three locations on the proposed access road to the south of the main A66 alignment. TP SBC039 recorded soft material to 3m bgl, with a high cobble content. TP SBC040 recorded soft clay to 2.1m bgl whilst TP SBC041A recorded soft clay to the base of the pit at 3m bgl.
- 4.8.10 The majority of the Cohesive Glacial Deposits were described as firm. Firm to stiff material was encountered from a minimum depth of 1.7m bgl and stiff material from a minimum depth of 2.7m bgl.
- 4.8.11 The thickness of the Glacial Deposits is uncertain. Several boreholes carried out in the north as part of the 2021 ground investigation reached depths of between 10.5 and 17m bgl and did not encounter bedrock. Trial pit TP SBC042 recorded limestone at 3.8m, however it is not clear whether this was shallow bedrock or a limestone boulder.
- 4.8.12 Sandstone was recorded at 4.2m bgl in historical location NZ10NE19 to the east of the proposed works.

Table 4.8-3: Section 9.6 – In Situ and Laboratory Test Results for Cohesive Glacial Deposits

In-situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	12	11-32	19	16
Liquid Limit (%)	6	14-49	28	27
Plastic Limit (%)	6	12-24	16	14
Plasticity Index (%)	6	0-25	12	12
PSD	5	N/A	N/A	N/A



In-situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Strength</b>					
SPT N value <sup>1</sup>		7	16-48	30	23
SPT N <sub>60</sub> value <sup>1</sup>		7	14-43	26	21
HSV (field), cu (kPa) <sup>2</sup>		42	44-114	77	82
<b>Compaction</b>					
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	1	2	2	2
	OMC (%)	1	7.9	7.9	7.9
MCV from MCC (multi-point)		5 (1)	4.4-14.2	N/A	N/A
MCV from NMC (single-point)		3	5.2-9.2	6.7	5.8
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9.7-4 for full extrapolated values.					

## Glacial Deposits – Granular

- 4.8.13 Granular Glacial Deposits were recorded in one location, TP SBC044, which was carried out close to the proposed access road crosses the existing watercourse to the southwest of the existing ponds. This material comprised very silty slightly gravelly sand, recorded from 0.6 to 1.9m bgl with sandy slightly clayey gravel to 2.4m bgl.

Table 4.8-4: Section 9.6 – In Situ and Laboratory Test Results for Granular Glacial

In-situ/ laboratory test results		No. of tests	Range	Mean	Median
Classification					
Natural Moisture Content (%)		1	23	23	23
Liquid Limit (%)		1	25	25	25
Plastic Limit (%)		1	20	20	20
Plasticity Index (%)		1	5	5	5
PSD		1	N/A	N/A	N/A

## Limestone (Alston Formation)

- 4.8.14 Limestone was recorded in TP SBC042 at the base of the pit at 3.8m to 4.0m bgl. It is not clear whether this is shallow bedrock or a limestone boulder. It was recorded as strong to very strong dark grey slightly crystalline limestone recovered as gravel and cobbles.

## Groundwater

- 4.8.15 Groundwater information is only available in one location for this part of the scheme. BH SBC029 located in the west where the proposed access road passes close to the proposed A66 main alignment. Slow inflow was recorded during drilling at 3.5m bgl, a groundwater monitoring installation at 4.5m bgl recorded groundwater levels stabilising at approximately 1.2m bgl.

Table 4.8-5: Section 9.6 – Groundwater Strikes Summary

Borehole ID	Depth of strike (m bgl)	Elevation of strike (mOD)	Depth rose to (m bgl)	Elevation rose to (mOD)	Time for reported rise (min)	Geology	Comment
BH SBC029	3.5	146.7	2.6	147.6	20	Glacial Deposits - Cohesive	Slow inflow

Table 4.8-6: Section 9.6 – Groundwater Monitoring Summary

Monitoring Point	Depth and Type of Well	Monitoring Round. Depth - m bgl (level mOD)						Response Zone Geology	Comment
		Round 1	Round 2	Round 3	Round 4	Round 5	Round 6		
BH SBC029	4.50m 19mm SPIE	1.2 (149.0)	1.4 (148.8)	1.3 (148.8)	1.2 (149.0)	1.2 (149.0)	1.1 (149.0)	Glacial Deposits - Cohesive	

- 4.8.16 Groundwater monitoring works were undertaken in the summer and groundwater levels have the potential to be higher in wet and/or winter conditions.
- 4.8.17 A combination of gullies and filter drains are present along the existing carriageway but not along the entire section. A combination of cut-off ditches and carrier/filter drains are proposed at the top of the cuttings to intercept surface water run-off from natural catchments towards the proposed carriageway. On the non-National Highways sections road drainage via gullies is proposed.
- 4.8.18 For the purposes of geotechnical design it is recommended that groundwater level are assumed to be at or near ground level.

## 4.9 Scheme 9 Geotechnical Parameters

- 4.9.1 This section of the report presents geotechnical scheme-wide parameters derived for the purpose of developing a suitable specimen design. The parameters are summarised within Table 4.9-8. These should be treated as preliminary and should be given further consideration during the PCF design stage 4. The rationale for determination of geotechnical parameters is explained below:
- For earthworks cuttings, stability considerations are paramount and assessment of shear strength parameters is required.
  - For earthworks embankments, in addition to shear strength parameters and compressibility of the embankment material itself, similar properties of the soil below the proposed foundation level are required. Further, the materials used for embankment construction must be workable and compliant with the current Specification for Highway Works.
  - For structure foundations, the compressibility characteristics and bearing capacity are primary concerns.
- 4.9.2 Geotechnical parameters for the strata encountered in exploratory holes located along the scheme have been derived from laboratory tests, literature sources and soil and rock descriptions. The methodologies used to derive these are outlined in Appendix B.

## Topsoil

4.9.3 A summary of site-wide laboratory and in situ data available for Topsoil is presented in Table 4.9-1. As Topsoil is not an engineering material, material properties have not been derived for this stratum.

Table 4.9-1: Scheme 9 – In-situ and Laboratory Test Results for Topsoil

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Particle density (Mg/m <sup>3</sup> )	1	2.57	2.57	2.57
Natural Moisture Content (%)	19	20-53	32	29
Liquid Limit (%)	11	35-70	47	44
Plastic Limit (%)	11	17-41	26	24
Plasticity Index (%)	11	15-29	21	20
PSD	2	N/A	N/A	N/A

## Made Ground

4.9.4 A summary of site-wide laboratory and in situ data available for Made Ground is presented in Table 4.9-2. As Made Ground is not an engineering material, material properties have not been derived for this stratum.

Table 4.9-2: Scheme 9 – In-situ and Laboratory Test Results for Made Ground

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	6	19-53	33	31
Liquid Limit (%)	2	17-45	31	31
Plastic Limit (%)	2	17-24	21	21
Plasticity Index (%)	2	0-21	11	11
PSD	2	N/A	N/A	N/A
<b>Strength</b>				
SPT N value <sup>1</sup>	2	12-16	14	14
SPT N <sub>60</sub> value <sup>1</sup>	2	11-14	13	13
HSV (field), cu (kPa)	2	24-28	26	26
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9-6 for full extrapolated values.				

## Glacial Deposits – Cohesive

4.9.5 A summary of site-wide laboratory and in-situ data available for Cohesive Glacial Deposits is presented within Table 4.9-3. Ground parameters are discussed below.

Table 4.9-3: Scheme 9 – In-situ and Laboratory Test Results for Glacial Deposits - Cohesive

In situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Bulk density (Mg/m <sup>3</sup> )		10	2.01-2.27	2.13	2.12
Bulk Unit Weight (kN/m <sup>3</sup> )		56	19.72-22.66	21.26	21.24
Particle density (Mg/m <sup>3</sup> )		20	2.53-2.80	2.64	2.65
Natural Moisture Content (%)		161	10-38	19	17
Liquid Limit (%)		113	14-69	33	32
Plastic Limit (%)		113	12-29	17	16
Plasticity Index (%)		113	0-42	16	15
PSD		65	N/A	N/A	N/A
<b>Strength</b>					
SPT N value <sup>1</sup>		163	11-100	37	30
SPT N <sub>60</sub> value <sup>1</sup>		163	9 - >100	34	27
Unconsolidated Undrained, cu (kPa)		29	11-354	97.8	86
HSV (lab), cu (kPa)		67	9-296	97.4	98
HSV (field), cu (kPa) <sup>2</sup>		197	24->120 <sup>2</sup>	75 <sup>2</sup>	76 <sup>2</sup>
Consolidated Undrained Triaxial Test	φ'peak (°)	12	24-34.8	29.9	29.3
	c'peak (kPa)	12	1-8	4.23	4
Direct Shear Test	φ'peak (°)	6	17-31	25	24
	c'peak (kPa)	6	1-15	8	7.5
<b>Compaction</b>					
Lab CBR (%)		34 (17)	0.2-5.7	2.0	1.75
In situ Plate Load Test (equivalent CBR %)		5	1.67-4.94	2.88	2.65
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	19	1.93-2.14	2.02	2.01
	OMC (%)	19	7-14	10	10
MCV from MCC (multi-point)		79 (16)	1.9-15	8.3	8.2
MCV from NMC (single-point)		45	1.6-13.1	7.7	7.9
<b>Compressibility and consolidation</b>					
Oedometer Test @100kPa	mv (m <sup>2</sup> /MN)	12	0.003-0.35	0.15	0.18
	Cv (m <sup>2</sup> /yr)	8	3.2-8.6	6.7	7.4
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9-6 for full extrapolated values.					

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<sup>2</sup> One sample exceeded the device measuring range of 120kPa. A value of 120kPa has been used for calculation of the statistics in this table.				

## Classification

- 4.9.6 The bulk unit weight results indicate a typical value of 21kN/m<sup>3</sup> for Cohesive Glacial Deposits across scheme 9, consistent with description of a high to very high strength clay in BS8002:2015 [36].
- 4.9.7 The A line plot shows that the majority of material in this stratum is clay of low or intermediate plasticity. The natural moisture content values plotted with Atterberg limits show that the natural moisture content was typically close to the plastic limit.
- 4.9.8 PSD tests carried out in this stratum recorded a median clay and silt content of 44% and a median sand and gravel content of 52%. Cobbles and boulders were recorded within seven samples, however it is noted that coarse granular material is likely to be more prevalent in-situ than in recovered samples.
- 4.9.9 The median recorded particle density of 2.65 Mg/m<sup>3</sup> is considered appropriate for this stratum.

## Shear strength

- 4.9.10 Of the 163 SPT tests completed, 15 did not reach full penetration with N values derived by extrapolation. It is likely that the majority of these tests were hindered by obstructions such as cobbles, and therefore results extrapolated over 100 have not been used to derive material properties for this stratum.
- 4.9.11 Measured SPT values N have been corrected for energy losses, based on the reported hammer energy ratio, giving N<sub>60</sub> values. A 60% ratio has been assumed for historical holes.
- 4.9.12 SPT N<sub>60</sub> values from the top of strata to 10m bgl are shown to typically increase from N<sub>60</sub>=12 to N<sub>60</sub>=30 before becoming consistent at 10m bgl at N<sub>60</sub>=30, see Figure S9-6. It is noted that a low N<sub>60</sub> value (9) was encountered at 2.2m bgl within NZ10NE21.
- 4.9.13 The median Plasticity Index is 15%, which gives f<sub>1</sub>=6.5 according to Stroud (1974) [37]. Using a more typical value of 4.5 this corresponds to a c<sub>u</sub> increasing from 54kPa at shallow depth (<2m) increasing to >100kPa, below 2m bgl.
- 4.9.14 Hand shear vane tests were undertaken both in-situ and in the laboratory. Within the top 2 meters these generally recorded results between 40 and 80kPa and between 2m and 5m results typically ranged between 80 and 120kPa.
- 4.9.15 Unconsolidated undrained triaxial tests were undertaken on 29 samples from 1 to 22m depth, with wide ranging results between 11 and 354kPa. Values lower than 40kPa were reported within the top 6m. The undrained shear strength was found to broadly increase with depth.
- 4.9.16 A summary of all undrained shear strengths through direct and indirect measurements is presented in Figure S9.7 of Appendix D. Taking into account the above information, a shear strength value between 0-5m bgl of 50kPa and 120kPa thereafter is recommended for design.
- 4.9.17 The effective friction angle at a constant volume,  $\phi'_{cv} = 27.2^\circ$ , has been derived according to BS8002:2015 [38] based on a PI of 15%.
- 4.9.18 Six small shearbox tests were carried out on recompacted clay samples, predominantly in firm to stiff strata with recorded effective friction angles between 17° and 31°. A median reported effective friction angle of  $\phi'_{pk} = 24^\circ$ . 12 consolidated undrained triaxial tests were carried out and recorded effective friction angles between 24° and 34.8° with a median of 29.3°.
- 4.9.19 The peak effective friction angle  $\phi'_{pk} = 27^\circ$ , is recommended based on the results of shearbox and consolidated undrained triaxial testing.

- 4.9.20 The effective cohesion recorded from small shearbox and consolidated undrained triaxial testing ranged from 1 to 15 kPa.  $c' = 0$  kPa is considered appropriate for this stratum.

#### Consolidation and Compressibility/ Stiffness

- 4.9.21 Twelve oedometer tests have been undertaken on samples from depths of 2 to 12.5m bgl with loading/unloading increments particular to the in-situ conditions and proposed embankment heights. The recorded coefficient of consolidation ( $m_v$ ) values vary, however, the mean of  $0.15 \text{ m}^2/\text{MN}$  at 50kPa-100kPa loading increment has been used to derive elasticity parameters as this is typical of the surcharge for a low embankment. This coefficient of consolidation represents a medium compressibility clay, and is typical for firm glacial tills.
- 4.9.22 The equation below described in Appendix B has been used to derive a drained elastic modulus ( $E'$ ) for this stratum as follows:
- $$E' = 1/m_v = 6.6 \text{ MPa}$$
- 4.9.23  $m_v$  can also be derived from SPT N values and plasticity index as discussed in Appendix B. It is noted that based on the median PI of 15% and the representative value of  $\text{SPTN}_{60} = 12$  at shallow depth, this corresponds to  $f_2 = 0.65$  and  $m_v = 0.13 \text{ m}^2/\text{MN}$  and  $E' = 7.8 \text{ MPa}$ . Soil stiffness is anticipated to increase with depth as the SPT profile, with an  $E'$  of 20MPa at 10m bgl.
- 4.9.24 For larger strains associated with settlement/heave calculations a relationship of  $E' = 250 \times cu$  is also commonly adopted. This would result in  $E' = 12.5 \text{ MPa}$  at shallow depth, increasing with depth.
- 4.9.25 A value of  $E' = 7 \text{ MPa}$  is considered appropriate at this stage from 0-5m bgl increasing to 20MPa at 10m bgl.

#### Compaction

- 4.9.26 Laboratory CBR tests were carried out on the top and bottom of 17 samples from the 2021 ground investigation, with typical values between 1% -2% recorded. Due to the tests being carried out under soaked conditions, these values represent the lower bound to the in-situ conditions that will be encountered on the scheme.
- 4.9.27 Five in-situ Plate Load Tests were carried out at depths of 0.4 to 0.5m bgl. The equivalent CBR values derived from these tests ranged between 1.67 and 4.94%, with a median of 2.65%. As expected, these values are generally higher than those from laboratory CBR tests. The median value of 2.65% is considered representative of shallow material. Higher CBR values would be expected at greater depth.
- 4.9.28 Further consideration has been given to a potential relationship between CBR and plasticity index, as suggested in the historical pavement design reference HD25/94 (DMRB, Volume 7, Section 2 Foundations). The derived plasticity index of 15% provides an indicative CBR value between 4 and 5%. The recorded in-situ CBRs are noted to be lower than the indicative range provided in HD25/94 [39], however, only a limited number of in-situ CBRs were undertaken. Further consideration to subgrade improvement is recommended.
- 4.9.29 The average optimum moisture content from compaction tests was 10%. The average maximum dry density was  $2.01 \text{ Mg/m}^3$  ( $19.7 \text{ kN/m}^3$ ). This indicates that excavated material will be wet of optimum and will require drying or treatment before reuse.
- 4.9.30 The multi-point MCC (Moisture Condition Calibration) tests show a clear correlation between MCV and moisture content.
- 4.9.31 Single point MCV (Moisture Condition Value) tests undertaken at a range of moisture contents at or slightly below natural moisture content indicate MCV values ranging between 1.6 and 13.4, with an average of 7.4, although it is noted that the specimens from bulk samples are likely to have dried to some extent prior to testing.

4.9.32 A line of best fit through a plot of all MCV results and moisture content (including single point and multipoint test results) indicates that the OMC of 10% derived from compaction tests corresponds to an MCV of 14. It is noted that there is significant variability in the MCV test results at any given moisture content, and a limited number of MCV tests were undertaken at moisture content below 12%.

### Glacial Deposits – Granular

4.9.33 A summary of site-wide laboratory and in-situ data available for Granular Glacial Deposits is presented in Table 4.9-4. Ground parameters are discussed below.

Table 4.9-4: Scheme 9 – In-situ and Laboratory Test Results for Glacial Deposits - Granular

In situ/ laboratory test results		No. of tests	Range	Mean	Median
<b>Classification</b>					
Particle density (Mg/m <sup>3</sup> )		1	2.64	2.64	2.64
Natural Moisture Content (%)		8	14-23	19	19
Liquid Limit (%)		4	25-34	31	32
Plastic Limit (%)		4	18-20	19	18
Plasticity Index (%)		4	5-16	12	14
PSD		14	N/A	N/A	N/A
<b>Strength</b>					
SPT N value <sup>1</sup>		4	18-100	40	21
SPT N <sub>60</sub> value <sup>1</sup>		4	16 - >100	38	19
<b>Compaction</b>					
Compaction	Maximum dry density (Mg/m <sup>3</sup> )	1	2.02	2.02	2.02
	OMC (%)	1	9	9	9
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9-6 for full extrapolated values.					

### Classification

- 4.9.34 A bulk unit weight of 21kN/m<sup>3</sup> is suggested in line with guidance in BS8002:2015 [36].
- 4.9.35 Natural moisture content tests were carried out on eight samples with a mean of 19%.
- 4.9.36 It is noted that historical holes were not logged to modern standards and therefore it has not been possible to accurately distinguish between granular and cohesive strata. Where plasticity results are recorded, it is possible that these are either results from the cohesive matrix of a predominantly granular soil, or that the description has been interpreted as granular despite being a cohesive soil.
- 4.9.37 PSD tests were undertaken on 14 samples of this stratum. The clay and silt content typically ranged between 11% and 30%, higher clay and silt content was encountered locally above 40% in TP SBC025, TP SBC026, TP SBC044 between 1.5 and 2m bgl within materials described as very clayey sand and gravel and clays intermixed with clayey sand and gravel.
- 4.9.38 Sand and gravel typically comprised between 50% and 80% of the materials, and was locally as low as 27% in BH SBC023 at 8m bgl, where the majority of the sample comprised a cobbles and boulders.

4.9.39 Only one particle density test was undertaken, the value of 2.64 Mg/m<sup>3</sup> is considered appropriate.

### Shear strength

4.9.40 Only four SPT tests were carried out within this stratum. Three of the results range between N<sub>60</sub>=16 and N<sub>60</sub>=22, and one test result was extrapolated as N<sub>60</sub>=213 (BH SBC032A at 8m bgl) within strata described as gravel and cobbles.

4.9.41 There is insufficient data to derive the angle of shearing resistance from SPT tests. Due to the mixed nature of the material it has not been considered appropriate to derive the angle of shearing resistance according to the equation in BS8002:2015 [36] reproduced in Appendix B. A value of  $\Phi' = 32^\circ$  is recommended, with consideration to the variability of the material and limited in-situ or laboratory data for this stratum. A  $c' = 0$  kPa is also recommended.

### Stiffness

4.9.42 SPT N<sub>60</sub> values were used to derive E' in accordance with Stroud (1989) in CIRIA 143 [40] based on a conservative assumed SPT N<sub>60</sub> value of 20, as follows:

$$E' = 1 \times N_{60} = 20 \text{ MPa}$$

### Compaction

4.9.43 One compaction test was undertaken which indicates an optimum moisture content of 9% and a maximum dry density of 2.02 Mg/m<sup>3</sup> (19.8 kN/m<sup>3</sup>).

### Mudstone

4.9.44 A summary of site-wide laboratory and in-situ data available for mudstone is presented in Table 4.9-5. Ground parameters are discussed below.

Table 4.9-5: Scheme 9 – In-situ and Laboratory Test Results for Mudstone

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk Unit Weight (kN/m <sup>3</sup> )	1	21.40	21.40	21.40
Particle density (Mg/m <sup>3</sup> )	1	2.65	2.65	2.65
Natural Moisture Content (%)	4	8-32	17	14
Liquid Limit (%)	3	29-37	33	34
Plastic Limit (%)	3	17-21	19	18
Plasticity Index (%)	3	12-16	15	16
<b>Strength</b>				
SPT N value <sup>1</sup>	15	22-100	75	72
SPT N <sub>60</sub> value <sup>1</sup>	15	20 - >100	69	64
Rock water content (%)	4	6-8	7	7
UCS (MPa)	1	0.4	0.4	0.4
Point Load Index	68	0.1-1.7	0.6	0.5
<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated uncorrected values up to SPT N = 100. See Figure S9-6 for full extrapolated values.				



## Classification

- 4.9.45 Moisture content and Atterberg limits testing have been carried out on weathered mudstone described as extremely weak and distinctly weathered and recorded the deposits as low plasticity. It is anticipated that these materials represent the upper weathered bedrock.
- 4.9.46 A single bulk unit weight tests recorded a value of 21.4kN/m<sup>3</sup>, however a value of 25kN/m<sup>3</sup> is considered more appropriate for this material.

## Strength

- 4.9.47 Fifteen SPTs were undertaken within the mudstone, with the majority recording N values >50. Four SPT N<sub>60</sub> values ranging between 20 and 44 were encountered at rockhead within BH SBC005, BH SBC006, BH SBC007 and BH SBC009.
- 4.9.48 No representative values of SPT N<sub>60</sub> value or shear strength parameters have been derived for the weathered mudstone due to limited data and the likelihood that conditions will be highly variable dependent on the thickness of weathered material at rockhead.

## Rock Testing

- 4.9.49 A total of 68 point load tests were undertaken, with the majority undertaken within BH SBC007 and BH SBC009 within material described as weak weathered mudstone. None of the point load tests were undertaken within the upper rockhead materials. I<sub>s(50)</sub> values were typically less than 1MPa, considering the mean and the median values, an I<sub>s(50)</sub> of 0.5 is typical for this stratum.
- 4.9.50 Based on a typical I<sub>s(50)</sub> of 0.5MPa, CIRIA 181 [41] indicates a typical UCS for this stratum would be 10MPa, consistent with the description of weak rock in accordance with BS EN ISO 14689 [42].
- $$\text{UCS} = C \times I_{s(50)} = 10 \times 0.5 = 5\text{MPa}$$
- 4.9.51 One UCS test was undertaken at 21.7m bgl with a recorded a value of 0.4MPa, considerably lower than suggested by point load index, within material described as extremely weak residual mudstone encountered approximately 5m below rockhead. This material is anticipated to have characteristics similar to a very stiff clay.
- 4.9.52 Note that the strength value provided is indicative only and the strength of the mudstone recorded in logged descriptions varies widely from extremely weak to moderately weak or weak partially weathered grey mudstone. Logged descriptions should be used to complement laboratory measurements to determine the likely strength of rock in any given area of the site.

## Sandstone

- 4.9.53 A summary of site-wide laboratory and in situ data available for the sandstone is presented in Table 4.9-6. Ground parameters are discussed below.

Table 4.9-6: Scheme 9 – In-situ and Laboratory Test Results for Sandstone

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Bulk Unit Weight (kN/m <sup>3</sup> )	1	22.95	22.95	22.95
<b>Strength</b>				
SPT N value <sup>1</sup>	6	50-100	83	92
SPT N <sub>60</sub> value <sup>1</sup>	6	54 - >100	85	96
Rock water content (%)	4	8-23	14	12

In situ/ laboratory test results	No. of tests	Range	Mean	Median
UCS (MPa)	1	31.9	31.9	31.9
Point Load Index	54	0-3.8	0.9	0.4

<sup>1</sup> For SPT N value, range, mean and median are based on tests that reached full penetration or extrapolated values up to SPT N = 100. See Figure S9-6 for full extrapolated values.

## Strength

- 4.9.54 Six SPTs were undertaken within the sandstone, all of which recorded  $N_{60}$  values equal or greater to  $N_{60}=50$ .
- 4.9.55 No representative values of SPT  $N_{60}$  value or shear strength parameters have been derived for the Sandstone due to limited data and the likelihood that conditions will be highly variable dependent on the thickness of weathered material at rockhead.

## Rock Testing

- 4.9.56 Point load tests were undertaken on 54 samples of Sandstone from BH SBC001 and BH SBC014A, the majority of  $I_{s(50)}$  values were  $<1$ MPa. Considering the median value, an  $I_{s(50)}$  of 0.4 MPa is typical for this stratum.
- 4.9.57 Based on the following relationship the point load results indicate a UCS for this stratum of approximately 8MPa. Consistent with descriptions on the logs of very weak to weak.
- $$UCS = C \times I_{s(50)} = 20 \times 0.4 = 8MPa$$
- 4.9.58 One UCS test undertaken at 17m depth within BH SBC014A recorded a UCS of 32MPa, considerably higher than suggested by point load index. The UCS value may be higher as it is likely that UCS tests are undertaken on intact samples of core which are inherently stronger.
- 4.9.59 Logged descriptions should be used to complement laboratory measurements to determine the likely strength of rock in any given area of the site.

## Limestone

- 4.9.60 A site-wide summary of laboratory and in situ data available for limestone is presented in Table 4.9-7. Ground parameters are discussed below.

Table 4.9-7: Scheme 9 – In-situ and Laboratory Test Results for Limestone

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Strength</b>				
Rock water content (%)	1	2		
Point Load Index	9	1.4-6.3	4	4.8

## Rock Testing

- 4.9.61 Point load tests were undertaken on nine samples of limestone, with wide ranging results between 1.4 and 6.3MPa. Considering the mean, an  $I_{s(50)}$  of 4 MPa is typical of this strata.
- 4.9.62 Based on the following relationship, the point load index indicates a UCS for Limestone of approximately 80 MPa. An equivalent description according to BS EN ISO 14689 [44] would be 'strong'. However, the limestone is described on the logs as moderately strong.
- $$UCS = C \times I_{s(50)} = 20 \times 4.8 = 96MPa$$
- 4.9.63 No UCS tests were undertaken on samples of Limestone.

4.9.64 Logged descriptions should be used to complement laboratory measurements to determine the likely strength of rock in any given area of the site.

## Groundwater

4.9.65 Site-wide groundwater conditions have been discussed for each of the sections. For the purposes of geotechnical design, groundwater levels should be assumed to be at or near to natural ground level.

## Summary of Ground Parameters for Scheme 9

4.9.66 Table 4.9-8 presents a summary of ground parameters proposed to inform the preliminary design along Scheme 9.

Table 4.9-8: Scheme 9 – Summary of ground parameters

Stratum	Unit Weight	NMC	PI	c'	Phi'	Cu	E'	UCS	mv
	kN/m <sup>3</sup>	%	%	kPa	°	kPa	MPa	MPa	m <sup>2</sup> /MN
Glacial - Cohesive	21	17	15	0	27	50 (<5m bgl) 120(>5 m bgl)	7(<5m bgl)	-	0.15
Glacial - Granular	21	19	-	0	32	-	20	-	-
Mudstone	25*	14	16	-	-	-	-	5	
Limestone	26*							96	
Sandstone	26*							8	

(\*in the absence of sufficient test data, values have been used for similar rock types.

## 4.10 Scheme 9 Attenuation Ponds

4.10.1 Attenuation ponds are proposed as a means of attenuation and treatment of highways drainage only. The ponds will have a permanent water depth of 0.5m and a stored water volume on top. Infiltration testing was undertaken at or close to a number of proposed balancing ponds at the recommendation of the karst desk study [15]. During design development after the ground investigation, it was subsequently decided all ponds will be lined by clay or by synthetic liner to limit infiltration.

4.10.2 Ponds are predominantly, while not exclusively, in cut. Overland flow is unattenuated and drained via cut off ditches and filter drains.

4.10.3 The results of variable head permeability tests and soakaway tests are contained in Table 4.10-1 and Table 4.10-2 below.

Table 4.10-1: Scheme 9 – Variable Head Permeability Test Results

Hole ID	Type of Well	Depth Range (m bgl)	Response Zone Geology	Reported Permeability (m/s)
BH SBC001	19mm	1-3	Sandstone	1.76 x10 <sup>-4</sup>
BH SBC005	19mm	2-3.5	Glacial Deposits - Cohesive	5.47 x10 <sup>-6</sup>
BH SBC006	50mm	5-7	Mudstone	2.51 x 10 <sup>-6</sup>

Hole ID	Type of Well	Depth Range (m bgl)	Response Zone Geology	Reported Permeability (m/s)
BH SBC009	19mm	4-6	Mudstone	$9.94 \times 10^{-9}$
BH SBC013	19mm	7-9	Glacial Deposits Cohesive	$4.88 \times 10^{-6}$
BH SBC016	19mm	4-6	Glacial Deposits Cohesive	$7.4 \times 10^{-6}$
BH SBC018	19mm	2-3.5	Glacial Deposits Cohesive	$9.32 \times 10^{-6}$
BH SBC020	19mm	5-6	Glacial Deposits Cohesive	$2.72 \times 10^{-6}$
BH SBC021	19mm	2-3	Glacial Deposits Cohesive	$1.01 \times 10^{-5}$
BH SBC022	19mm	1-2	Glacial Deposits Cohesive	$-5.82 \times 10^{-6}$
BH SBC023A	19mm	7.5-9	Glacial Deposits Cohesive	$2.86 \times 10^{-8}$
BH SBC030	19mm	2-4	Glacial Deposits Cohesive	$1.59 \times 10^{-5}$
BH SBC032A	50mm	4-7	Glacial Deposits Cohesive	$2.54 \times 10^{-5}$

Table 4.10-2: Scheme 9 – Summary of Soakaway Tests

Hole ID	Test Zone Depth (m bgl)	Test Zone Geology	Soil Infiltration Rate
TP SBC001	1.2-2	Soft orange brown very sandy very gravelly clay with high cobble content.	$4.92 \times 10^{-5}$
	1.1-2		$1.1 \times 10^{-4}$
	1.1-2		$3.65 \times 10^{-5}$
TP SBC008	1.3-2	Soft grey mottled brown sandy/ very sandy slightly gravelly clay.	Neither 75% nor 25% effective depth level reached
TP SBC018	1.3-2	Firm brown mottled grey slightly sandy slightly gravelly clay.	Neither 75% nor 25% effective depth level reached
TP SBC022	1.6-2	Firm blue sandy gravelly clay with low cobble content.	Neither 75% nor 25% effective depth level reached
TP SBC026	1.7-2	Soft to firm orange mottled dark brown sandy gravelly clay with high cobble content.	Neither 75% nor 25% effective depth level reached
TP SBC030	1.3-2	Firm brown mottled grey slightly sandy slightly gravelly clay.	Neither 75% nor 25% effective depth level reached
TP SBC040	1.4-2	Soft grey mottled brown and dark grey slightly sandy slightly gravelly clay with medium cobble content.	Neither 75% nor 25% effective depth level reached

4.10.4 Due to changes in scheme design, the permeability test positions no longer correspond to pond locations. The closest variable head permeability test was undertaken in BH SBC032A was located 20m north of Pond 10.

- 4.10.5 Soakaway testing was undertaken at pond locations within TP SBC022, TP SBC026, TP SBC030 and TP SBC040, none of these tests returned permeability results as the infiltration rate was too slow.
- 4.10.6 Further targeted ground investigation will be required to assess ground conditions and soil permeability at each pond location.

## 4.11 Aggressive Ground Conditions

- 4.11.1 In order to assess how potentially aggressive the ground may be to buried concrete the results of the relevant testing have been assessed in line with the requirements of BRE Special Digest 1 [43].
- 4.11.2 Only two results were available for Made Ground and only one result within sandstone, and no results were available for limestone. Consequently there is insufficient data to provide an assessment for these strata
- 4.11.3 The Design Sulphate Class and associated ACEC class have been derived on a scheme-wide basis for the following strata:
- Glacial Deposits – cohesive
  - Glacial Deposits - granular
  - Mudstone
- 4.11.4 The results of the assessment are summarised in Table 4.11-1. For Cohesive Glacial Deposits and mudstone, where the oxidisable sulfides (OS) calculation indicates that pyrite is probably present (OS >0.3% in a significant number of samples), the Design Sulphate Class and ACEC classes have been provided for both undisturbed and disturbed material (excluding and including respectively the total potential sulphate that may result from oxidation following ground disturbance).

Table 4.11-1: Scheme 9 – Aggressive ground test Results

Stratum	Characteristic Value					Design Sulphate Class	ACEC Class
	SO <sub>4</sub> 2:1 water/soil extract (mg/l) Characteristic value [No. of tests]	SO <sub>4</sub> groundwater (mg/l) Characteristic value [No. of tests]	OS (%) Characteristic value [No. of tests]	TPS (%) Characteristic value [No. of tests]	pH Characteristic value [No. of tests]		
Glacial Deposits Cohesive (disturbed)	708 [62]	85* [1]	1.34 [63]	1.47 [63]	7.7 [58]	DS-4	AC-4
Glacial Deposits Cohesive (undisturbed)	708 [62]	85* [1]	-	-	-	DS-2	AC-1
Glacial Deposits Granular	-	85* [1]	-	-	-	-	-
Mudstone (disturbed)	49 [3]	90 [1]	0.5 [3]	0.6 [3]	7.5 [3]	DS-2	AC-2
Mudstone (undisturbed)	49 [3]	90 [1]				DS-1	AC-1

\* One groundwater sample obtained from an instrument straddling both cohesive Glacial Deposits and mudstone.

- 4.11.5 Three groundwater samples were taken, one from each of the installations in BH SBC006, BH SBC008 and BH SBC032A. The response zone in BH SBC008 is located across the boundary between the Glacial Deposits and mudstone and was used to inform the assessment of potential aggressive ground for both strata. The response zone in BH SBC006 is located in mudstone, and BH SBC032A within granular Glacial Deposits.

## 4.12 Geotechnical Category of Scheme 9

- 4.12.1 With reference to CD622 [1] the scheme has been assessed as Geotechnical Category 2 as it “includes conventional types of geotechnical structures, earthworks and geotechnical activities, with no exceptional geotechnical risks, unusual or difficult ground conditions or loading conditions”. No new information has come to light following the recent ground investigation that would change this classification.

## 5 Scheme 9: Stephen Bank to Carkin Moor- Geo-environmental Model

### 5.1 Introductory Information

- 5.1.1 This section summarises the geo-environmental testing of Made Ground and natural strata encountered along the scheme as well as testing of groundwater and surface water samples. The analysis of this data has enabled a preliminary assessment of the risks posed to human health and controlled waters by comparing the test results against screening values to provide an indication of relative levels of contamination present along the scheme. This approach is consistent with Stage 1 of the Environment Agency’s Land Contamination Risk Management (LCRM) [44]. This review also includes waste hazard classification of the samples analysed, and a discussion on potential waste disposal routes.
- 5.1.2 An assessment of the potential contamination sources on site was carried out within the A66 Northern Trans-Pennine Project (NTP) Preliminary Sources Study Report (PSSR) [6]. This study was augmented by a review of the site history within the Chapter 9 (Geology and Soils) of the PEIR [18].

### 5.2 Visual and Olfactory Evidence of Contamination

- 5.2.1 Visual and olfactory indicators of potential contamination during the ground investigation comprised of one observation of ash within Made Ground at one exploratory location. The presence of macadam and slag was also noted at various locations. The observations are summarised in Table 5.2-1.

Table 5.2-1: Scheme 9 – Visual and Olfactory Evidence of Contamination

Exploratory Hole No	Observation	Depth (m bgl)	Description
BH SBC006	Visual Observation	0-0.20	Ash present
	Visual Observation	0-0.20	Macadam present
BH SBC008	Visual Observation	0.1-1.20	Macadam and slag present
BH SBC032	Visual Observation	0.1-0.40	Macadam present
WS SBC004	Visual Observation	0.15-0.70	Macadam and slag present
WS SBC004A	Visual Observation	0.15-0.70	Macadam and slag present
WS SBC004B	Visual Observation	0.15-0.70	Macadam and slag present

### 5.3 Chemical Testing Overview

- 5.3.1 The strategy for chemical testing was developed based upon consideration of the preliminary conceptual site model presented in the Technical Appraisal Report [46], PSSR [6] and PEIR [18] and the materials encountered during the ground investigation.
- 5.3.2 Soil and water samples selected by the A66 NTP Integrated Project Team were sent to Derwentside Environmental Testing Services (DETS) under a subcontract arrangement with the GI contractor AEG Ltd. for selected chemical analysis. The testing carried out on soil and water samples are summarised in sub-headings 5.4 through 5.6 below.
- 5.3.3 A full description of analytical suites and limits of detection are presented in Appendix E.

## 5.4 Chemical Testing – Soils

- 5.4.1 A total of 93 soil samples from exploratory hole locations relevant to scheme 9 were tested for a range of chemical determinands likely to be encountered on the site as a result of its current and historical land use and geological setting. A summary of soil chemical testing undertaken is presented in Table 5.4-1.
- 5.4.2 The samples tested were taken from depths ranging from 0.10m bgl to 5.0m bgl and from the range of soil types encountered in the exploratory locations. A catalogue of soil samples subjected to chemical testing is contained in Appendix E.
- 5.4.3 Soil chemical analysis results are found in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [34] included in Appendix J.

Table 5.4-1: Scheme 9 – Summary of Chemical Testing in Soil Samples

No of Samples	Description	Notes
93	Suite E1a – Primary metals and metalloids	Comprises Arsenic, Boron (Water soluble), Cadmium, Chromium (total), Chromium (trivalent), Chromium (hexavalent), Copper, Lead, Mercury, Nickel, Selenium and Zinc.
93	Suite E2 – Inorganics	Comprises Ph, Soil Organic Matter, Total Organic Carbon, Sulphate, Sulphide, and loss on ignition.
93	Suite E3 – CN/Phenol	Comprises Cyanide (free) and Phenols (total).
67	Suite E4a – Asbestos	Asbestos Presence and ID
93	Suite E6a – TPH CWG	Total Petroleum Hydrocarbons Criteria Working Group
93	Suite E6b - BTEX	Comprises Benzene, Toluene, Ethylbenzene, O-xylene, M-xylene, P-xylene and Methyl tert-butyl ether
93	Suite E7a – Speciated PAHs	USEPA 16 Polycyclic Aromatic Hydrocarbons
29	Suite H – WAC	Inert Waste Landfill Schedule

## 5.5 Chemical Testing – Leachate

- 5.5.1 The Environment Agency Remedial Targets Methodology [47] states that pore water concentrations determined for samples with a 2:1 liquid/solid ratio are preferable for risk assessment purposes with the 10:1 liquid/solid ratio leachate preferred for waste characterisation.
- 5.5.2 Samples selected to undergo Waste Acceptance Criteria (WAC) analysis were subject to leachate preparation using method BS EN 12457-3 [48] which involves a 2 stage leaching process (a moisture corrected 2:1 liquid to solid ratio leaching step for 6 hours followed by a moisture corrected 8:1 liquid to solid ratio leaching step on the remaining material for 18 hours). The combined results from which are calculated to provide analytical data reported as mg/kg dry weight at 10:1
- 5.5.3 A total of 29 soil samples from exploratory hole locations were subjected to leachate preparation and analysis as part of the WAC analysis to ascertain the mobility of substances in the soil. A summary of leachate analysis undertaken is presented in in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [33] included in Appendix J.
- 5.5.4 The samples tested were taken from depths ranging from 0.20m bgl to 5.00m bgl and from the range of soil types encountered in the exploratory locations. A catalogue of leachate samples scheduled for analysis is contained in Appendix E.



5.5.5 Leachate chemical analysis results are found in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [34] included in Appendix J.

5.5.6 Table 5.5-1: Scheme 9 – Summary of Chemical Testing in Leachate Samples

No of Samples	Description	Notes
29	Electrical Conductivity / Total Dissolved Solids / Chloride / Fluoride / Sulphate / DOC	2:1 & 8:1 Leachable
29	Metals (Antimony, Arsenic, Barium, Cadmium, Copper, Chromium, lead, Mercury, Molybdenum, Nickel, Selenium, Zinc)	2:1 & 8:1 Leachable
29	Phenols	2:1 & 8:1 Leachable

## 5.6 Chemical Testing – Groundwater and Surface Water

5.6.1 Three groundwater samples were recovered from monitoring wells installed during the scheme 9 ground investigation. The locations of the monitoring wells are presented in Appendix A and a summary of the groundwater sampling locations are presented in Table 5.6-1.

5.6.2 Groundwater monitoring wells were purged of three well volumes of groundwater (unless indicated otherwise on the monitoring results) on the first of fifth groundwater monitoring rounds undertaken between 30 March 2021 and 15 May 2021.

Table 5.6-1: Scheme 9 – Groundwater Samples

Expl. Hole	Response Zone Depth (m bgl)	Screened Horizon
BH SBC006	5.00 – 7.00	Mudstone
BH SBC008	2.00 – 4.00	Glacial Till (Clay)
BH SBC032A	4.00 – 7.00	Glacial Till (Clay)

5.6.3 Two surface water samples were recovered from key sampling points in surface waters located within scheme 9 on the 30 March 2021. The locations of the surface water sampling points are presented in Appendix A and a summary of the surface water sampling locations are presented in Table 5.6-2.

Table 5.6-2: Scheme 9 – Surface water sampling locations

Surface Water Sampling point	Sample point Co-ordinates (NGR)	Watercourse
SW SCB001	414695E, 508974N	Unnamed Tributary of Holme Beck
SW SCB002	415966E, 508664N	Unnamed Tributary of Mains Gill

5.6.4 Groundwater chemical analysis results are found in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [34] included in Appendix J. A summary of testing is presented in Table 5.6-3.

Table 5.6-3: Scheme 9 – Summary of Chemical Testing in Surface Water and Groundwater Samples

Test Suite	Groundwater Sample	Surface Water Sample
Metals and Metalloids (F1a)	3	2
Major Ions (F2)	3	2
Ammoniacal Nitrogen (F3)	3	2
Total Suspended Solids (F5)	3	2
Oxygen Demand (F6)	3	2
TPHCWG (F7a)	3	2
BTEX (F7b)	3	2
Speciated PAHs (F8)	3	2
Phenols and Cyanides (F10)	3	2

## 5.7 Groundwater Level and Ground Gas Monitoring

- 5.7.1 No potentially significant sources of ground gas were identified within the PSSR.
- 5.7.2 Made Ground can potentially be a source of ground gas if it contains significant organic material and is encountered in significant thicknesses.
- 5.7.3 A combination of the following conditions would be required to consider Made Ground a viable source of ground gas and to undertake ground gas monitoring in accordance with best practice guidance [45].
- An average thickness of 3m and a maximum thickness of 5m,
  - Degradable content observed during the site investigation, and;
  - Total organic carbon (TOC) greater than approximately 4%
- 5.7.4 Made Ground was sporadically encountered across the route at 15 exploratory locations and typically ranged between 0.15m and 2.0m in thickness. No organic material or degradable content was observed during the investigation and the average total organic carbon (TOC) for Made Ground was measured at 1.8%.
- 5.7.5 Based on the findings of the investigation the Made Ground at site is considered to have limited gassing potential and there is negligible risk from ground gas. Therefore no ground gas monitoring was undertaken for this scheme.
- 5.7.6 Where piezometers were installed in the 2021 ground investigation, water level variation was recorded over the course of 5 monitoring rounds between 31 March 2021 and 6 May 2021, and a further round on 26 August 2021..
- 5.7.7 The Monitoring and Post Fieldwork Environmental Sampling Methodology is set out in section 3.5 of AEG’s Factual Report [34] included in Appendix J.
- 5.7.8 The results of the groundwater level monitoring, together with the temporal (weather) conditions are tabulated in the Ground Investigation Contractor’s Factual Report [34] in Appendix J.
- 5.7.9 The groundwater level monitoring results are summarised in Table 5.7-1.

Table 5.7-1: Scheme 9 – Groundwater Monitoring Results

Expl. Hole	Response Zone Depth (m bgl)	Screened Horizon	Water Level Range (m bgl)	Water Level Range (mOD)
BH SBC001	1.00 – 3.00	Glacial Till (Sandstone & Mudstone)	Dry	--
BH SBC002	3.50 – 4.50	Glacial Till (Clays)	1.62 – 2.92	164.01 – 165.31
BH SBC005	2.00 – 3.50	Glacial Till (Clays)	1.54 – 2.26	176.48 – 177.20
BH SBC006	5.00 – 7.00	Mudstone	3.67 – 4.26	175.46 – 176.05
BH SBC008	2.00 – 4.00	Glacial Till (Clays)	0.78 – 1.32	171.21 – 171.66
BH SBC009	4.00 – 6.00	Mudstone	1.20 – 2.02	171.50 – 172.32
BH SBC011	1.00 – 3.00	Glacial Till (Clays)	0.75 – 0.98	100.20 – 168.22
BH SBC013	7.00 – 9.00	Glacial Till (Clays)	5.13 – 5.74	157.89 – 158.50
BH SBC014A	13.00 – 15.00	Glacial Till (Clays)	6.47 – 6.59	152.34 – 152.46
BH SBC016	4.00 – 6.00	Glacial Till (Clays)	0.49 – 0.96	157.12 – 157.64
BH SBC017	2.00 – 4.00	Glacial Till (Clays)	0.85 – 1.07	150.41 – 150.63
BH SBC018	2.00 – 3.50	Glacial Till (Clays)	0.72 – 0.90	152.74 – 152.92
BH SBC019	3.00 – 4.00	Glacial Till (Clays)	0.80 – 1.33	140.29 – 140.82
BH SBC020	5.00 – 6.00	Glacial Till (Clays)	1.31 – 1.81	146.58 – 146.98
BH SBC021	2.00 – 3.00	Glacial Till (Clays)	0.69 – 0.93	147.51 – 147.75
BH SBC022	1.00 – 2.00	Glacial Till (Clays)	0.63 – 0.74	145.29 – 145.40
BH SBC023A	7.50 – 9.00	Glacial Till (Clays)	2.27 – 6.39	138.97 – 143.09
BH SBC024	14.00 – 16.00	Glacial Till (Clays)	2.13 – 5.93	139.97 – 143.66
BH SBC025	3.00 – 5.00	Glacial Till (Clays)	1.67 – 1.90	141.07 – 141.30
BH SBC026	4.00 – 5.00	Glacial Till (Clays)	1.05 – 1.25	142.39 – 142.59
BH SBC027	2.00 – 3.00	Glacial fluvial (Clays)	0.85 – 0.97	141.06 – 141.11
BH SBC029	3.00 – 5.00	Glacial Till (Clays)	1.17 – 1.36	148.81 – 149.00
BH SBC030	2.00 – 4.00	Glacial Till (Clays)	0.41 – 0.60	149.66 – 149.85
BH SBC031	5.00 – 8.00	Glacial Till (Clays)	5.94 – 6.05	149.58 – 149.69
BH SBC032A	4.00 – 7.00	Glacial Till (Clays)	3.61 – 6.09	141.38 – 143.86

## 5.8 Human Health Assessment – Site End Users

5.8.1 Key potential sources of contamination have been identified and discussed in the PSSR [6] and PEIR [18]. To enable a preliminary human health risk assessment, suitable Generic Assessment Criteria (GAC) have been selected for comparison with the chemical test results obtained from soil samples.

- 5.8.2 The Human Health Risk Assessment (HHRA) risk assessment methodology is outlined in Appendix F.
- 5.8.3 Soil Samples have been screened against GACs selected from the following strict hierarchy:
- Category 4 Screening Levels (C4SLs) as coordinated by CL:AIRE on behalf of the Department for Environment, Food and Rural Affairs [50];
  - LQM/CIEH Suitable 4 Use Levels (S4UL) [51] where published C4SLs are not available; or
  - Atkins ATRISKsoil Soil Screening Values (SSVs) [52]
- 5.8.4 Following a review of default land use scenarios underpinning these models, the “Public Open Space – Park” (POSPark) land use, utilising 1% Soil Organic Matter (SOM) has been selected for use on this project. It is considered to be suitably precautionary for the proposed land use under consideration (i.e. major highway scheme with associated earthworks, structures road verge landscaping and ancillary features such as SUDs, attenuation ponds etc) with regards to selection of critical receptor and behavioural exposure parameters.
- 5.8.5 The full analytical results addressed in this report are presented in Appendix E (Geoenvironmental Testing) of AEG’s Factual Report [34] included in Appendix J.
- 5.8.6 The screening of results are presented in Appendix H, with exceedances of the POSPark assessment criteria summarised in Table 5.8-1.

Table 5.8-1: Scheme 9 – Human Health Exceedances in Soil

Contaminant of Concern	GAC (mg/kg)	Location of Exceedance	Sample depth (m bgl)	Recorded Concentration (mg/kg)	Strata	Comment
Benzo(a)anthracene	49	WS SBC004	0.3	200	Made Ground	Sample was taken of a macadam layer
Benzo(a)pyrene	11			140		
Benzo(b)fluoranthene	13			84		
Chrysene	33			200		

## 5.9 Asbestos Assessment

- 5.9.1 67 Soil Samples were screened for asbestos containing materials (presence and identification and quantification) as part of the laboratory assessment. Visual observations on site were also considered.
- 5.9.2 No asbestos was detected within any samples examined in the laboratory or observed during ground investigation.

## 5.10 Human Health Assessment – Construction and Maintenance Workers

- 5.10.1 The study area comprises a major highway scheme with associated earthworks, structures road verge landscaping and ancillary features such as SUDs and attenuation ponds etc, and it is unlikely the public will access the land along the scheme on a routine basis post development.
- 5.10.2 Therefore, the preliminary human health assessment is primarily aimed at identifying significant contamination issues that may impact the scheme design or affect project personnel who will perform the infrastructure upgrade works and subsequent maintenance.

- 5.10.3 Construction and maintenance workers are more likely to be at risk from acute (short term, high dose) exposure to contaminants within the soils during periods of episodic occupational exposure.
- 5.10.4 GACs are for the most part (with the exception of cyanide) protective of chronic (i.e., long term, low dose) exposure rather than the effects of acute exposure. In general, GACs which are protective of chronic exposure are orders of magnitude lower than those which are protective of acute exposure.
- 5.10.5 The results of the chronic exposure assessment undertaken within sub-heading 5.8 above are considered to be conservative when assessing risks posed to construction and maintenance workers on a site in an occupational exposure setting.
- 5.10.6 Exceedances of GAC identified within Table 5.8-1 are considered to be a precautionary when assessing the risks posed to construction and maintenance workers in an occupational exposure setting, and any GAC exceedances should be reviewed with a view to putting in place mitigation measures such as the implementation of Safe Systems of Work (SSoW), use of appropriate personal protective equipment (PPE) (e.g. gloves / overalls etc) and /or use of respiratory protective equipment (RPE) as necessary.

## 5.11 Controlled Waters Risk Assessment – Tier 1 Assessment

- 5.11.1 Leachate, groundwater, and surface water samples recovered and analysed in the course of the Ground Investigation have been assessed to identify potential risks to groundwater resources underlying the study area and to surface waters in the vicinity of the site.
- 5.11.2 The Controlled Waters Risk Assessment (CWRA) has been undertaken with an initial precautionary “Tier 1” assessment, followed by a more specific “Tier 2” assessment of any Tier 1 exceedances. The “Controlled Waters Risk Assessment Methodology” is set out in Appendix F.
- 5.11.3 The “Tier 1” Controlled Waters Risk Assessment has been undertaken using the lowest of available relevant Water Quality Standards (WQS) (i.e., Drinking Water Standards (DWS) or Environmental Quality Standards (EQS)).
- 5.11.4 The results of the Tier 1 Controlled Waters Risk Assessment screen are presented in Appendix H.
- 5.11.5 Where exceedances of “Tier 1” water quality standards are identified, a review can be undertaken to establish whether the sample can be advanced to a more detailed “Tier 2” review and assessment in accordance with the “Controlled Waters Risk Assessment Methodology” set out in Appendix F.
- 5.11.6 The samples which have failed “Tier 1” water quality standards and have been progressed to “Tier 2” and are presented in Table 5.11-1.
- 5.11.7 A number of exceedances within the groundwater samples were identified within all three borehole locations tested, in both bedrock and natural drift deposits. The majority of exceedances were for PAHs and some exceedances were found for heavy metals. These exceedances of the groundwater criteria have been progressed to “Tier 2” and are assessed in Table 5.12-1.
- 5.11.8 Marginal exceedances of the surface water criteria were identified in and SW SBC002 for copper and ammoniacal nitrogen. Copper also marginally exceeded the surface groundwater in SW SBC001. Therefore, these have also been progressed to Tier 2 assessment.
- 5.11.9 Soil leachate tests identified exceedances of molybdenum in six samples and copper in five samples. One of the molybdenum and three of the copper exceedances were in Made Ground, with the remainder in natural soils. No exceedances were recorded for the other metals recorded within the groundwater, indicating the soils tested to be unlikely to be the source of the identified groundwater contamination. Soil leachate tests do not simulate in-situ conditions and concentrations from soil leachate tests are considered conservative as they do not take account of variation in solubility, dilution and attenuation which may reduce the

contaminant concentration along the flow path. Therefore, soil leachate concentrations often exceed water quality criteria. Due to this, the exceedances have not been progressed to a Tier 2 assessment but are qualitatively assessed under sub-heading 5.16.

Table 5.11-1: Scheme 9 – Summary of Tier 1 WQS Failures.

Sample Location	Sample Type	Depth	Contaminant of Concern	Tier 1 WQS (1 mg/l 2ug/l)	WQS	Tier 2 Assessment
BH SBC006	Groundwater	3.74	Arsenic	0.01 <sup>1</sup>	DWS	Yes
BH SBC008	Groundwater	1.10	Arsenic	0.01 <sup>1</sup>	DWS	Yes
BH SBC006	Groundwater	3.74	Cadmium	0.00045 <sup>1</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Cadmium	0.00045 <sup>1</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Chromium (total)	0.05 <sup>1</sup>	DWS	Yes
BH SBC006	Groundwater	3.74	Mercury	0.00007 <sup>1</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Mercury	0.00007 <sup>1</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Nickel	0.02 <sup>1</sup>	DWS	Yes
BH SBC008	Groundwater	1.10	Nickel	0.02 <sup>1</sup>	DWS	Yes
BH SBC006	Groundwater	3.74	Selenium	0.01 <sup>1</sup>	DWS	Yes
BH SBC008	Groundwater	1.10	Selenium	0.01 <sup>1</sup>	DWS	Yes
BH SBC032A	Groundwater	6.09	Selenium	0.01 <sup>1</sup>	DWS	Yes
BH SBC008	Groundwater	1.10	Sodium	200 <sup>1</sup>	DWS	Yes
BH SBC006	Groundwater	3.74	Zinc	0.0109 <sup>1</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Zinc	0.0109 <sup>1</sup>	EQS	Yes
BH SBC032A	Groundwater	6.09	Zinc	0.0109 <sup>1</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Ammoniacal Nitrogen as N	0.04 <sup>1</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Ammoniacal Nitrogen as N	0.04 <sup>1</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Aromatics >C10-12	90 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Aromatics >C12-16	90 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Aromatics >C16-21	90 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Acenaphthene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Acenaphthene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Anthracene	0.01 <sup>2</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Benzo(a)anthracene	0.01 <sup>2</sup>	LOD	Yes

Sample Location	Sample Type	Depth	Contaminant of Concern	Tier 1 WQS (1 mg/l 2ug/l)	WQS	Tier 2 Assessment
BH SBC008	Groundwater	1.10	Benzo(a)anthracene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Benzo(a)pyrene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Benzo(b)fluoranthene	0.017 <sup>2</sup>	EQS	Yes
BH SBC008	Groundwater	1.10	Benzo(b)fluoranthene	0.017 <sup>2</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Benzo (g,h,i) perylene	0.00082 <sup>2</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Benzo(k)fluoranthene	0.017 <sup>2</sup>	EQS	Yes
BH SBC006	Groundwater	3.74	Chrysene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Chrysene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Fluorene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Fluorene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Indeno(1,2,3-cd)pyrene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Pah,Total	0.01 <sup>2</sup>	DWS	Yes
BH SBC008	Groundwater	1.10	Pah,Total	0.01 <sup>2</sup>	DWS	Yes
BH SBC006	Groundwater	3.74	Phenanthrene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Phenanthrene	0.01 <sup>2</sup>	LOD	Yes
BH SBC006	Groundwater	3.74	Pyrene	0.01 <sup>2</sup>	LOD	Yes
BH SBC008	Groundwater	1.10	Pyrene	0.01 <sup>2</sup>	LOD	Yes
SW SBC001	Surface water	0.00	Copper	3.4 <sup>1</sup>	EQS	Yes
SW SBC002	Surface water	0.00	Copper	3.4 <sup>1</sup>	EQS	Yes
SW SBC002	Surface water	0.00	Ammoniacal Nitrogen as N	0.04 <sup>1</sup>	EQS	Yes
BH SBC021	Leachate	0.20	Copper	1 <sup>2</sup>	EQS	No
BH SBC026	Leachate	0.20	Copper	1 <sup>2</sup>	EQS	No
BH SBC017	Leachate	0.20	Copper	1 <sup>2</sup>	EQS	No
WS SBC004	Leachate	0.30	Copper	1 <sup>2</sup>	EQS	No
BH SBC006	Leachate	0.10	Copper	1 <sup>2</sup>	EQS	No
BH SBC026	Leachate	0.20	Molybdenum	0.5 <sup>2</sup>	LOD	No



Sample Location	Sample Type	Depth	Contaminant of Concern	Tier 1 WQS (1 mg/l 2ug/l)	WQS	Tier 2 Assessment
BH SBC013	Leachate	0.20	Molybdenum	0.5 <sup>2</sup>	LOD	No
BH SBC001	Leachate	0.20	Molybdenum	0.5 <sup>2</sup>	LOD	No
TP SBC030	Leachate	0.40	Molybdenum	0.5 <sup>2</sup>	LOD	No
BH SBC005	Leachate	0.20	Molybdenum	0.5 <sup>2</sup>	LOD	No
TP SBC010	Leachate	1.00	Molybdenum	0.5 <sup>2</sup>	LOD	No

## 5.12 Controlled Waters Risk Assessment – Tier 2 (Groundwater Assessment)

- 5.12.1 The results of the Tier 2 Controlled Waters Risk Assessment screen are presented in Appendix H.
- 5.12.2 The preliminary CSM identified the following controlled water receptors within 500m of the site as potential receptors of lateral and vertical migration of potential leachate and contaminants within groundwater:
- One unnamed tributary within the site boundary.
  - The underlying bedrock which are designated as Secondary A aquifers, and
  - One groundwater abstraction utilised for small private domestic and agricultural supply.
- 5.12.3 Samples which exceeded the Tier 1 screen were then assessed based on more targeted criteria taken from the CSM.
- 5.12.4 Whilst the primary receptor within the scheme would be the underlying Secondary A aquifer, the Tier 2 assessment comprises a comparison against drinking water standards (where available) due to the identified private groundwater abstraction utilised for private and domestic use. Where DWS are not available EQS from Tier 1 have remained as the assessment criteria.
- 5.12.5 There are 16 contaminants of concern that are in exceedance of the relevant criteria in the groundwater samples taken from the boreholes. Cadmium, Copper and Mercury were not above the Tier 2 criteria.

Table 5.12-1: Scheme 9 – Summary of Tier 2 Chemical Testing in Groundwater Samples

Expl. Hole	Contaminant of Concern	Tier 2 WQS (1 mg/l 2ug/l)	Screening Criteria Source	Result (1 mg/l 2ug/l)
BH SBC006	Arsenic	0.01 <sup>1</sup>	UK DWS	0.012 <sup>1</sup>
BH SBC008	Arsenic	0.01 <sup>1</sup>	UK DWS	0.043 <sup>1</sup>
BH SBC006	Chromium (total)	0.05 <sup>1</sup>	UK DWS	1.2 <sup>1</sup>
BH SBC006	Lead	0.01 <sup>1</sup>	UK DWS	0.027 <sup>1</sup>
BH SBC008	Lead	0.01 <sup>1</sup>	UK DWS	0.015 <sup>1</sup>
BH SBC006	Nickel	0.02 <sup>1</sup>	UK DWS	0.025 <sup>1</sup>
BH SBC008	Nickel	0.02 <sup>1</sup>	UK DWS	0.19 <sup>1</sup>
BH SBC006	Selenium	0.01 <sup>1</sup>	UK DWS	0.0569 <sup>1</sup>



Expl. Hole	Contaminant of Concern	Tier 2 WQS ( <sup>1</sup> mg/l <sup>2</sup> ug/l)	Screening Criteria Source	Result ( <sup>1</sup> mg/l <sup>2</sup> ug/l)
BH SBC008	Selenium	0.01 <sup>1</sup>	UK DWS	0.0388 <sup>1</sup>
BH SBC032A	Selenium	0.01 <sup>1</sup>	UK DWS	0.0278 <sup>1</sup>
BH SBC008	Sodium	200 <sup>1</sup>	UK DWS	2100 <sup>1</sup>
BH SBC006	Zinc	0.0109 <sup>1</sup>	EQS	1.2 <sup>1</sup>
BH SBC008	Zinc	0.0109 <sup>1</sup>	EQS	0.46 <sup>1</sup>
BH SBC032A	Zinc	0.0109 <sup>1</sup>	EQS	0.012 <sup>1</sup>
BH SBC006	Ammoniacal Nitrogen	0.0005 <sup>1</sup>	UK DWS	0.046 <sup>1</sup>
BH SBC008	Ammoniacal Nitrogen	0.0005 <sup>1</sup>	UK DWS	0.13 <sup>1</sup>
BH SBC008	Aromatics >C10-12	90 <sup>2</sup>	WHO DWS	150 <sup>2</sup>
BH SBC008	Aromatics >C12-16	90 <sup>2</sup>	WHO DWS	200 <sup>2</sup>
BH SBC008	Aromatics >C16-21	90 <sup>2</sup>	WHO DWS	120 <sup>2</sup>
BH SBC008	Acenaphthene	0.1 <sup>2</sup>	LOD	29 <sup>2</sup>
BH SBC032A	Acenaphthene	0.1 <sup>2</sup>	LOD	0.47 <sup>2</sup>
BH SBC008	Anthracene	0.1 <sup>2</sup>	LOD	5.9 <sup>2</sup>
BH SBC006	Benzo(a)pyrene	0.01 <sup>2</sup>	UK DWS	0.07 <sup>2</sup>
BH SBC032A	Benzo(a)pyrene	0.01 <sup>2</sup>	UK DWS	0.02 <sup>2</sup>
BH SBC006	Benzo(b)fluoranthene	0.01 <sup>2</sup>	LOD	0.09 <sup>2</sup>
BH SBC008	Benzo(b)fluoranthene	0.01 <sup>2</sup>	LOD	1.1 <sup>2</sup>
BH SBC032A	Benzo(b)fluoranthene	0.01 <sup>2</sup>	LOD	0.03 <sup>2</sup>
BH SBC006	Benzo (g,h,i) perylene	0.01 <sup>2</sup>	LOD	0.06 <sup>2</sup>
BH SBC032A	Benzo (g,h,i) perylene	0.01 <sup>2</sup>	LOD	0.02 <sup>2</sup>
BH SBC006	Benzo(k)fluoranthene	0.01 <sup>2</sup>	LOD	0.03 <sup>2</sup>
BH SBC006	Indeno(1,2,3-cd)pyrene	0.01 <sup>2</sup>	LOD	0.06 <sup>2</sup>

Notes for Table 5.12-1: <sup>1</sup> No DWS available.

## 5.13 Controlled Waters Risk Assessment – Tier 2 (Surface Water Assessment)

5.13.1 A total of two contaminants of concern, Copper and Ammoniacal Nitrogen, were brought forward for a Tier 2 assessment. Copper is recorded to marginally exceed the assessment criteria in both surface water samples with Ammoniacal Nitrogen exceeding criteria in one sample. The results are summarised in Table 5.13-1.

Table 5.13-1: Scheme 9 – Summary of Tier 2 Chemical Testing in Groundwater Samples

Surface Water	Contaminant of Concern	Tier 2 WQS (mg/l)	Screening Criteria Source	Result (mg/l)
SW SBC001	Copper	0.01	EQS	0.0018
SW SBC001	Copper	0.01	EQS	0.0021
SW SBC002	Ammoniacal Nitrogen	0.04	EQS	0.17

5.13.2 The Tier 2 groundwater assessment identified metals, PAHs and TPH within groundwater at the site. However, it is pertinent to note that these contaminants are generally not above the limit of detection in surface waters. This indicates that the exceedances in groundwater are not impacting surface waters and that the observed exceedances are likely to be due to general diffuse pollution, attributed to the possible use of pesticides and/or herbicides on land adjacent to the proposed scheme.

## 5.14 Re-use of Soils

5.14.1 Introducing a soil material re-use strategy will be consistent with National Highways' commitment to incorporate sustainable methods into the design of projects as outlined in GG103 [53]. The re-use of soil materials within the scheme will reduce quantities of material destined for landfill, waste generation, unnecessary costs, and unnecessary journeys.

5.14.2 In addition, the requirement to import fill materials (and associated costs) may also be reduced. This will assist with meeting National Highways' environmental sustainability goals, including minimising greenhouse gas emissions, reducing waste generation, using sustainably sourced materials, and being resource efficient and reflecting a circular approach to the use of materials.

5.14.3 Prior to excavations and re-use of the material, an appropriate re-use methodology and Materials Management Plan, and associated Verification Plan document, should be completed to enable the re-use of the material. The Verification Plan should identify how the placement of materials is to be recorded and the quantity of materials to be used, including a statement on how the use of the materials relates to the highway design. Verification testing results should be compared to re-usability criteria from a corresponding Series 600 Earthworks Specification and Verification Plan.

## 5.15 Indicative Waste Classification

5.15.1 If possible, it is preferable the scheme is designed to minimise volume of surplus soil materials which arise, or material can be re-used in preference to landfill disposal. However, it is recognised the project may not be able to re-use or retain all surplus materials on-site (due to programme, storage space or geotechnical requirements) and off-site disposal of a quantity of surplus soils may be unavoidable.

5.15.2 Waste classification is a two-stage process, with the first step comprising a hazard assessment of the soil quality data in line with the guidance set out in the Environment Agency: Guidance on the Classification and Assessment of Waste Technical Guidance WM3 document, to provide the likely LoW code. The second step comprises targeted testing of Waste Acceptance Criteria (WAC) to confirm the most appropriate landfill waste stream.

5.15.3 The Hazard and Waste Acceptance assessment methodology is outlined in Appendix F.1 and The full HazWasteOnline™ [54] reports are presented in Appendix I.

### Hazard Assessment

5.15.4 7 Made Ground, 40 Topsoil and 46 Glacial Deposit sample have been assessed using the HazWasteOnline™ [54] tool.

5.15.5 The majority of samples were classified as “17 05 04 (soil and stones other than those mentioned in 17 05 03) Non-Hazardous Waste”.

5.15.6 One Made Ground sample from the exploratory location WS SBC004 was classified as Hazardous Waste 17 05 03\*. The determinand Total Petroleum Hydrocarbon (TPH) exceeded the classification value by 0.158% and contained the following hazardous properties:

- HP 7: Carcinogenic
- HP 11: Mutagenic and
- HP 3: Flammable

### Waste Acceptance Criteria for Disposal

5.15.7 Waste Acceptance Criteria (WAC) testing identified that the majority of material tested may be suitable for inert landfill, however, four samples were unsuitable due to exceedances of Total Organic Carbon. A significant exceedance of TOC was within Made Ground from BH SBC006 which exceeded the TOC value by 5 times the inert WAC. A sample of Made Ground from WS SBC004 had other exceedances of TPH and PAHs making it unsuitable for inert landfill without appropriate prior treatment. A summary of WAC tests and waste classification is provided in Table 5.15-1.

Table 5.15-1: Scheme 9 – Waste Assessment

Sample ID	Depth (m bgl)	Stratum	Waste Classification	Landfill Stream
WS SBC004	0.30	Made Ground	17 05 03* Hazardous Waste	Not Suitable for Inert or Non Hazardous Landfill
BH SBC006	0.10	Made Ground	17 05 04 Non Hazardous Waste	Suitable for Non Hazardous Landfill
BH SBC013	0.20	Topsoil	17 05 04 Non Hazardous Waste	Suitable for Non Hazardous Landfill
BH SBC017	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Non Hazardous Landfill
BH SBC001	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
BH SBC021	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
BH SBC026	0.20	Made Ground	17 05 04 Non Hazardous Waste	Suitable for Non Hazardous Landfill
BH SBC005	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
BH SBC012	2.40	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
BH SBC030	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC001	0.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC002	1.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC005	2.50	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill

Sample ID	Depth (m bgl)	Stratum	Waste Classification	Landfill Stream
TP SBC006	2.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC010	1.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC011	3.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC012A	2.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC014	3.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC017	0.40	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC018	2.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC021	0.30	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC022	0.20	Topsoil	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC026	2.50	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC027	4.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC028	5.00	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC030	0.40	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC031	2.20	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC032	0.30	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
TP SBC035	0.40	Glacial Deposits	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill

## 5.16 Conclusions and Recommendations

5.16.1 This section has provided a preliminary assessment of the potential land contamination conditions and risks to the proposed development. Overall, the assessment indicates there is low risk from land affected by contamination within scheme 9. A summary of the findings are presented below and recommendations for further work, where required.

### Human Health

5.16.2 The preliminary human health risk assessment has identified four exceedances of PAHs in Made Ground at one location. The exceedances are likely associated with the macadam

which was recorded within the Made Ground. The PAHs are therefore likely bound within solid material and relatively immobile.

- 5.16.3 The proposed scheme will reduce any exposure pathways for future road users due to the presence of hardstanding. Therefore, the primary receptors of concern are construction workers and maintenance workers. The risks to these receptors can be controlled through appropriate site management and Personal Protective Equipment (PPE).
- 5.16.4 Whilst no other exceedances were observed, further unidentified contamination may be present. Site operatives, which are the main receptors during infrastructure upgrade works and subsequent maintenance works, should be advised that the site has potential to be contaminated. Suitable Personal Protective Equipment (PPE) should be worn to protect workers from site specific hazards as described under the CIRIA R132 Guidance [55]. The primary risk for exposure from contaminants is via direct contact during construction works at the site, and therefore, when working in Made Ground and considered task appropriate, operatives should adopt good hygiene procedures and wear hand protection (nitrile gloves), long overalls (covering arms), and eye protection, in addition to standard PPE. Should olfactory or gross contamination be encountered on site it should be considered contaminated, work should cease, and a Geo-Environmental Specialist be consulted.

### Controlled Waters

- 5.16.5 A number of exceedances were recorded above the Tier 2 assessment criteria in groundwater, which include; metals and metalloids, aromatic chained hydrocarbons and PAHs. Exceedances were recorded within groundwater within both the bedrock and Glacial Deposits. The concentrations of the contaminants of concern observed within soils are unlikely to be a significant source of the recorded groundwater contamination, with no significant sources of potential contamination identified in the vicinity of the scheme within the PSSR [6]. It is likely that groundwater within the wider region is impacted and migrating beneath the proposed scheme extents.
- 5.16.6 Overall the risk of contaminants migrating in groundwater is limited by the nature of the geological strata present. Glacial Tills are present across much of the scheme which largely comprise of sandy gravelly clays. Whilst the glacial till has some permeability through limited gravel bands, the clays are characteristically low in permeability and will reduce any migration of potential contaminants in groundwater to off site receptors, such as the small scale abstraction wells within the area.
- 5.16.7 Leachate testing identified exceedances of copper and zinc however, the proposed scheme will limit the impact to controlled waters by incorporate positive drainage and hardstanding which will have a positive effect of reducing infiltration and leaching potential of soils.
- 5.16.8 Whilst exceedances have been observed within groundwater, the exceedances observed within surface water samples are significantly less than those in groundwater which demonstrates that groundwater is not currently adversely affecting surface waters.
- 5.16.9 The proposed earthworks vary across the scheme however it will likely remove areas of isolated Made Ground further reducing the potential for the scheme to impact controlled waters. Further sampling of groundwater is recommended to inform any dewatering of areas of cutting and to provide additional baseline monitoring for construction.

### Material Re-use

- 5.16.10 The proposed scheme will generate quantities of material from excavated Made Ground and Glacial Till. Whilst this material has been assessed as suitable for disposal as Inert and Non Hazardous Waste, the scheme design and construction works should aim to minimise offsite disposal to landfill. The assessment indicates that the majority of material tested is likely to be chemically suitable for re-use. The re-use of material should be undertaken in accordance with a Materials Management Plan (MMP) under CL:AIRE Definition of Waste Code of Practice (DoWCoP). The MMP should be developed by a competent person, agreed with the regulator and include the following:

- Appropriate soil reuse criteria which is both protective of human health and controlled waters
  - Plans identifying where materials are to be excavated, stockpiled and re-used,
  - Cross referenced to and within the Earthworks Specification detailing geotechnical re-use parameters
  - A suitable sampling regime for stockpiled material to be re-used
  - Details of the landowner, designer, earthworks contractor and regulatory contacts
  - Planning permissions relating to the site and a design description of certainty of use;
  - A strategy to identify and manage unidentified contamination;
  - Estimated volume of excavated materials and materials to be re-used;
  - Details for managing excess or out of specification materials; and
  - Details of a material tracking system and copies of the tracking/control forms to be used.
- 5.16.11 Additionally, a Verification Report will be required to be submitted to CL:AIRE to verify that materials have been placed in a safe and suitable manner. It is recommended that a competent person is present during site works to monitor the movement and placement of materials as well as document the relevant criteria required for a verification report.

### Waste Classification and Disposal

- 5.16.12 Based upon the available data, the majority of material on site is likely to be chemically suitable for reuse, as long as appropriate guidance is followed, and this is agreed with the relevant statutory body. If material cannot be re-used then it is preferable that soils are sent to a suitable soil recycling facility. If disposal to landfill is required then the waste hazard classification suggests materials are likely to be non-hazardous. WAC testing indicated that most material would be suitable for disposal in an inert landfill. One Made Ground sample from WS SBC004 was, however, classified as hazardous waste.
- 5.16.13 There is potential for additional pockets of Made Ground to be present in areas which have not been investigated. Further samples should be taken in accordance with BS10175:2011 [56] where waste disposal is required to confidently classify the waste. Samples should be scheduled for chemical testing by a geo-environmental specialists, and assessed following receipt of the results.
- 5.16.14 Relevant chemical test data along with material descriptions and LoW codes will need to be provided to the proposed landfill and confirmation sought as to the final classification and subsequent cost associated with disposal.

## 6 Scheme 11: A1 Scotch Corner Ground Summary

### 6.1 Scheme Description

6.1.1 Scheme 11 is situated at Scotch Corner, the major junction between the A1(M) and the A66. The works proposed are provided in drawing HE565627-AMY-HGT-S11-DR-CE-100001.

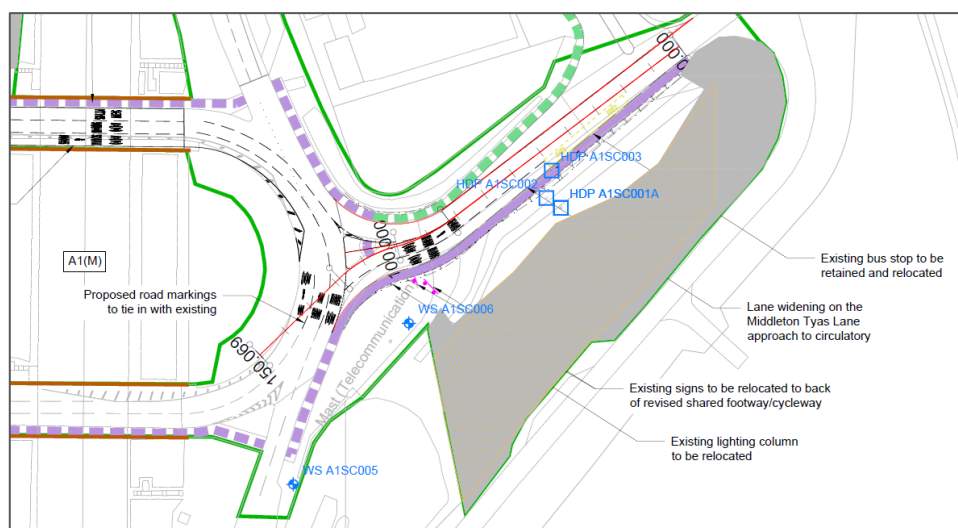


Figure 3 Proposed works at Scheme 11

6.1.2 The scheme comprises widening of the approach road to Scotch Corner Roundabout from Middleton Tyas Lane to accommodate an additional lane, with the kerb line moved to the south to accommodate the additional carriageway. An additional lane is proposed on the bridged section of the roundabout, however this will be accommodated within the existing footprint.

6.1.3 The earthworks proposed along scheme 11 are listed in Table 6.1-1. No structural changes to existing structures are proposed as part of the works.

Table 6.1-1 Scheme 11 – Proposed works

Description	Earthworks Description	Chainage start (m)	Chainage end (m)
Earthwork 1 – Embankment/nominal cutting	Lane widening on Middleton Tyas Lane approach to roundabout accommodated by low height embankment/nominal cutting on westbound carriageway.	0	100

### 6.2 Scheme 11 Ground Conditions

6.2.1 Exploratory holes relevant to this section are given in Table 6.2-1, see also the summary table in Appendix C.

Table 6.2-1: Scheme 11 – Summary of Exploratory Holes

Source/Date	Borehole ID	Type
<b>WINDOW SAMPLING HOLE</b>		
Allied Exploration Geotechnics Ltd, 2021.	WS A1SC005	Windowless sampling



Allied Exploration Geotechnics Ltd, 2021.	WS A1SC006	Windowless sampling
<b>HAND DUG PITS</b>		
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC001	Hand dug pit
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC001A	Hand dug pit
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC002	Hand dug pit
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC003	Hand dug pit

6.2.2 Anticipated ground conditions along scheme 11 comprise Fill associated with the construction of the grade separated junction overlying cohesive Glacial Deposits and bedrock. Exploratory holes undertaken during the 2021 ground investigation confirmed the presence of Fill within all of the exploratory holes, proven to a maximum depth of 6.65m bgl.

6.2.3 A summary of the material descriptions of the Fill is provided below. The laboratory results and derivation of parameters are also provided taking into account that for earthworks embankments shear strength parameters and compressibility of the soil below the proposed foundation level are required.

6.2.4 Measured SPT values N have been corrected for energy losses, giving N<sub>60</sub> values.

### Made Ground (Fill)

6.2.5 Fill materials were recorded within all of the exploratory holes undertaken, the full thickness was not proven within any of the holes, with a thickness of 6.65m encountered within WS A1SC006.

6.2.6 The upper Fill materials typically comprised soft black brown slightly sandy gravelly clay with frequent rootlets including sandstone, tarmac, ceramic tile, plastic fragments and clinker. Some of the material descriptions described the material as Topsoil, however this is unlikely given the presence of anthropogenic materials. The upper Fill ranged from 0.2 to 1.2m thick.

6.2.7 The lower Fill materials were more variable and comprised clayey sands, sands and gravels and soft to firm clays. Typically the lower Fill included gravel of sandstone, macadam, roadstone, clinker, mudstone and limestone with low cobble content. It is anticipated that the lower Fill deposits comprise reworked Glacial Deposits.

6.2.8 A summary of the geotechnical tests undertaken are presented on Table 6.2-1.

Table 6.2-2: Scheme 11– In-situ and Laboratory testing – Made Ground (Fill)

In situ/ laboratory test results	No. of tests	Range	Mean	Median
<b>Classification</b>				
Natural Moisture Content (%)	7	6.8 – 19	15	17
Liquid Limit (%)	6	17-39	32	35
Plastic Limit (%)	6	17 -21	18.5	19
Plasticity Index (%)	6	0-19	14	16
PSD	3	N/A	N/A	N/A
<b>Strength</b>				
SPT N value	8	15-56	35	37
SPT N <sub>60</sub> value <sup>1</sup>	8	15 -56	35	37



<sup>1</sup> For SPT  $N_{60}$  value, range, mean and median are based on tests that reached full penetration or extrapolated uncorrected values up to SPT  $N_{60} = 100$ .

### Shear strength

- 6.2.9 SPT  $N_{60}$  values ranged from 15 to 56 with a median of  $N_{60}=37$ . The median Plasticity Index is 16%.
- 6.2.10 Based on SPT values and soil descriptions an undrained shear strength between 50 and 120kPa is derived.
- 6.2.11 An effective friction angle at a constant volume,  $\phi'_{cv} = 27^\circ$ , has been derived according to BS8002:2015 [38] based on a PI of 16%. An effective cohesion  $c' = 0\text{kPa}$  is considered appropriate for this stratum.

### Natural Deposits

- 6.2.12 Glacial Deposits and bedrock were not encountered within any of the holes undertaken as part of the AEG 2021 ground investigation. A number of historical boreholes within 100m of the site indicate bedrock to comprise mudstone and limestone at approximately 130mOD, equivalent of 10 to 12m below ground level.

### Groundwater

- 6.2.13 No water strikes were reported during the investigation.
- 6.2.14 Given the presence of interbedded granular and cohesive Made Ground deposits overlying cohesive Glacial Deposits, there is a potential for perched water within the Made Ground.

## 6.3 Scheme 11 Geotechnical Parameters

- 6.3.1 This section of the report presents geotechnical scheme-wide parameters derived for the purpose of developing a suitable specimen design. The scale of earthworks proposed within scheme 11 is limited to <0.5m cutting and low height embankment within a small area of the site. The parameters are summarised within Table 6.3-1. These should be treated as preliminary and should be given further consideration during the PCF design stage 4.
- 6.3.2 The exploratory holes undertaken within scheme 11 encountered Made Ground, with natural strata not proven within any of the holes undertaken.

Table 6.3-1: Scheme 11– – Summary of ground parameters

Stratum	Unit Weight	NMC	PI	$c'$	$\Phi_i'$	Cu
	kN/m <sup>3</sup>	%	%	kPa	$\phi^\circ$	kPa
Made Ground (Fill)	20	17	16	0	27	50

## 6.4 Geotechnical Category of Scheme

- 6.4.1 With reference to CD622 [1] the scheme has been assessed as Geotechnical Category 2 as it “includes conventional types of geotechnical structures, earthworks and geotechnical activities, with no exceptional geotechnical risks, unusual or difficult ground conditions or loading conditions”. No new information has come to light following the recent ground investigation that would change this classification.

## 7 Scheme 11: Scotch Corner Geo-environmental Model

### 7.1 Introductory Information

7.1.1 This section summarises the geo-environmental testing of soils encountered along the scheme. The analysis of this data has enabled a preliminary assessment of the risks posed to human health and controlled waters by comparing the test results against screening values to provide an indication of relative levels of contamination present along the scheme. This approach is consistent with Stage 1 of the Environment Agency's Land Contamination Risk Management (LCRM) [44]. This review also includes waste hazard classification of the samples analysed, and a discussion on potential waste disposal routes.

### 7.2 Visual and Olfactory Indicators of Contamination

7.2.1 Visual and olfactory indicators of potential contamination during the ground investigation predominantly comprised of macadam, roadstone and clinkers found locally within Made Ground. There is also olfactory evidence of mild hydrocarbon odour found within Made Ground. The observations are summarised in Table 7.2-1.

Table 7.2-1: Scheme 11 – Visual and Olfactory Evidence of Contamination

Exploratory Hole No	Observation	Depth (m bgl)	Description
WS A1SC005	Olfactory Observation	0-2.80	Mild hydrocarbon odour
	Visual Observation	0.30-2.80	Macadam, roadstone and clinker present
WS A1SC006	Visual Observation	0-2.65	Macadam, roadstone and clinker present
	Visual Observation	4.70-6.65	Macadam, roadstone present
	Olfactory Observation	0.6-6.5	Mild hydrocarbon odour

### 7.3 Chemical Testing Overview

7.3.1 The strategy for chemical testing was developed based upon review of the sources of existing information presented in Chapter 2 and the materials encountered during the ground investigation.

7.3.2 Soil samples selected by the A66 NTP Integrated Project Team were sent to Derwentside Environmental Testing Services (DETS) under a subcontract arrangement with the GI contractor AEG Ltd. for selected chemical analysis. The testing carried out on soil samples are summarised in the sections below.

7.3.3 No water samples were taken as the groundwater was not encountered during the investigation.

7.3.4 A full description of analytical suites and limits of detection is presented in Appendix E.

### 7.4 Chemical Testing – Soils

7.4.1 A total of 11 soil samples from exploratory hole locations relevant to scheme 11 were tested for a range of chemical determinands likely to be encountered on the site as a result of its current and historical land use and geological setting. A summary of soil chemical testing undertaken is presented in Table 7.4-1.

7.4.2 The samples tested were taken from depths ranging from 0.20m bgl to 1.9m bgl and from the range of soil types encountered in the exploratory locations, all of which comprised Made

Ground (Fill). A catalogue of soil samples subjected to chemical testing is contained in Appendix E.

7.4.3 Soil chemical analysis results are found in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [35] included in Appendix J.

7.4.4 Table 7.4-1: Scheme 11 – Summary of Chemical Testing in Soil Samples

No of Samples	Description	Notes
11	Suite E1a – Primary metals and metalloids	Comprises Arsenic, Boron (Water soluble), Cadmium, Chromium (total), Chromium (trivalent), Chromium (hexavalent), Copper, Lead, Mercury, Nickel, Selenium and Zinc.
11	Suite E2 – Inorganics	Comprises Ph, Soil Organic Matter, Total Organic Carbon, Sulphate, Sulphide, and loss on ignition.
11	Suite E3 – CN/Phenol	Comprises Cyanide (free) and Phenols (total).
11	Suite E4a – Asbestos	Asbestos Presence and ID
11	Suite E6a – TPH CWG	Total Petroleum Hydrocarbons Criteria Working Group
11	Suite 6b - BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
7	Suite E7a – Speciated PAHs	USEPA 16 PAHS
3	Suite H – WAC	

## 7.5 Chemical Testing – Leachate

7.5.1 The Environment Agency Remedial Targets Methodology [47] states that pore water concentrations determined for samples with a 2:1 liquid/solid ratio are preferable for risk assessment purposes with the 10:1 liquid/solid ratio leachate preferred for waste characterisation.

7.5.2 Samples selected to undergo Waste Acceptance Criteria (WAC) analysis were subject to leachate preparation using method BS EN 12457-3 [48] which involves a 2 stage leaching process (a moisture corrected 2:1 liquid to solid ratio leaching step for 6 hours followed by a moisture corrected 8:1 liquid to solid ratio leaching step on the remaining material for 18 hours). The combined results from which are calculated to provide analytical data reported as mg/kg dry weight at 10:1.

7.5.3 A total of three soil samples from exploratory hole locations were subjected to leachate preparation and analysis as part of the WAC analysis to ascertain the mobility of substances in the soil. A summary of leachate analysis undertaken is presented in Table 7.5-1.

7.5.4 The samples tested were taken from depths ranging from 0.20m bgl to 1.90m bgl and from the range of soil types encountered in the exploratory locations, all of which comprised Made Ground. A catalogue of leachate samples scheduled for analysis is contained in Appendix E.

7.5.5 Leachate chemical analysis results are found in Appendix E (Geoenvironmental Testing) of AEG's Factual Report [35] included in Appendix J.

Table 7.5-1: Scheme 11 – Summary of Chemical Testing in Leachate Samples

No of Samples	Description	Notes
4	Electrical Conductivity / Total Dissolved Solids / Chloride / Fluoride / Sulphate / DOC	2:1 & 8:1 Leachable
4	Metals (Antimony, Arsenic, Barium, Cadmium, Copper, Chromium, lead, Mercury, Molybdenum, Nickel, Selenium, Zinc)	2:1 & 8:1 Leachable
4	Phenols	2:1 & 8:1 Leachable

## 7.6 Groundwater and Ground Gas Monitoring

- 7.6.1 No groundwater was encountered along scheme 11, with groundwater anticipated to be present at greater depths associated with the adjacent cutting. Given the nature of the proposed works in the area, this is at a depth unlikely to interact with the scheme and as such groundwater monitoring instrumentation were therefore not installed into the exploratory positions. No groundwater sampling or monitoring has therefore been undertaken for this scheme.
- 7.6.2 No potentially significant sources of ground gas were identified within the desk study summary contained within sub-heading 2.2.
- 7.6.3 Made Ground can potentially be a source of ground gas if it contains significant organic material and is encountered in significant thicknesses. Made Ground was sporadically encountered across the route at all six exploratory locations. The Made Ground was encountered up to 6.5m bgl and the base was not proven.
- 7.6.4 A combination of the following conditions would be required to consider Made Ground a viable source of ground gas in accordance with best practice guidance [45]:
- An average thickness of 3m and a maximum thickness of 5m,
  - Degradable content observed during the site investigation, and;
  - Total organic carbon (TOC) greater than approximately 4%
- 7.6.5 No degradable content was observed during the investigation and, whilst a significant thickness of Made Ground has been encountered, the average total organic carbon (TOC) for Made Ground is 1.2%. The Made Ground is understood to probably be associated with road construction in the 1970s, which is consistent with the material descriptions. It is considered unlikely that there will have been uncontrolled filling with organic rich materials as part of this work.
- 7.6.6 Based on the site history and findings of the investigation the Made Ground at the site is considered to have limited gassing potential. On the basis of this and the nature of the works proposed in the area, which will not result in the construction of any confined spaces, gas risks are considered to be low. Therefore no ground gas monitoring has been undertaken for this scheme.

## 7.7 Human Health Assessment – Site End Users

- 7.7.1 Key potential sources of contamination have been identified and discussed in Chapter 2. To enable a preliminary human health risk assessment, suitable Generic Assessment Criteria (GAC) have been selected for comparison with the chemical test results obtained from soil samples.
- 7.7.2 The Human Health Risk Assessment (HHRA) risk assessment methodology is outlined in Appendix F.

- 7.7.3 Soil Samples have been screened against GACs selected from the following strict hierarchy:
- Category 4 Screening Levels (C4SLs) as coordinated by CL:AIRE on behalf of the Department for Environment, Food and Rural Affairs [50]
  - LQM/CIEH Suitable 4 Use Levels (S4UL) [51] where published C4SLs are not available; or
  - Atkins ATRISKsoil Soil Screening Values (SSVs) [52]
- 7.7.4 Following a review of default land use scenarios underpinning these models, the “Public Open Space – Park” (POSPark) land use, utilising 1% Soil Organic Matter (SOM) has been selected for use on this project. It is considered to be suitably precautionary for the proposed land use under consideration (i.e. major highway scheme with associated earthworks, structures road verge landscaping and ancillary features such as SUDs, attenuation ponds etc) with regards to selection of critical receptor and behavioural exposure parameters.
- 7.7.5 The full analytical results addressed in this report are presented in Appendix E (Geoenvironmental Testing) of AEG’s Factual Report [35] included in Appendix J.
- 7.7.6 The screening of results are presented in Appendix H, with exceedances of the POSPark assessment criteria summarised in Table 7.7-1.

Table 7.7-1: Scheme 11 – Human Health Exceedances in Soil

Contaminant of Concern	GAC (mg/kg)	Location of Exceedance	Sample depth (m bgl)	Recorded Concentration (mg/kg)	Strata	Comment
Benzo(a)pyrene	11	WS A1SC006	1.00	13	Made Ground	Likely associated with the mild hydrocarbon odour and Macadam, roadstone and clinker present in Made Ground at this location.
Dibenz-a-h-anthracene	1.1			1.3	Made Ground	

## 7.8 Asbestos Assessment

- 7.8.1 11 soil samples were screened for asbestos containing materials (presence and identification and quantification) as part of the laboratory assessment. Visual observations on site were also considered.
- 7.8.2 No asbestos was detected within any samples examined in the laboratory or observed during ground investigation works

## 7.9 Human Health Assessment – Construction and Maintenance Workers

- 7.9.1 The study area comprises a major highway scheme with associated earthworks, structures road verge landscaping and it is unlikely the public will access to the land along the scheme on a routine basis post development.
- 7.9.2 Therefore, the preliminary human health assessment is primarily aimed at identifying significant contamination issues that may impact the scheme design or affect project personnel who will perform the infrastructure upgrade works and subsequent maintenance.

- 7.9.3 Construction and maintenance workers are more likely to be at risk from acute (short term, high dose) exposure to contaminants within the soils during periods of episodic occupational exposure.
- 7.9.4 GACs are for the most part (with the exception of cyanide) protective of chronic (i.e. long term, low dose) exposure rather than the effects of acute exposure. In general, GACs which are protective of chronic exposure are orders of magnitude lower than those which are protective of acute exposure.
- 7.9.5 The results of the chronic exposure assessment undertaken within sub-heading 7.7 above are considered to be conservative when assessing risks posed to construction and maintenance workers on a site in an occupational exposure setting.
- 7.9.6 Exceedances of GAC identified within Table 7.7-1 are considered to be a precautionary when assessing the risks posed to construction and maintenance workers in an occupational exposure setting, and any GAC exceedances should be reviewed with a view to putting in place mitigation measures such as the implementation of Safe Systems of Work (SSoW), use of appropriate personal protective equipment (PPE) (e.g. gloves / overalls etc) and /or use of respiratory protective equipment (RPE) as necessary.

## 7.10 Controlled Waters Risk Assessment – Tier 1

- 7.10.1 No groundwater was encountered during the site works. As such, no groundwater monitoring instrumentation were installed or groundwater samples taken.
- 7.10.2 Leachate samples recovered and analysed in the course of the ground Investigation have been assessed to identify potential risks underlying the study area.
- 7.10.3 Soil leachate tests identified exceedances in WS A1SC006 for copper and zinc. These exceedances are presented in Table 7.10-1. Soil leachate tests do not simulate in-situ conditions and concentrations from soil leachate tests are considered conservative as they do not take account of variation in solubility, dilution and attenuation which may reduce the contaminant concentration along the flow path. Therefore, soil leachate concentrations often exceed water quality criteria. Due to this, the exceedances have not been progressed to a Tier 2 assessment but are qualitatively assessed under sub-heading 7.13.

Table 7.10-1: Scheme 11 – Summary of Tier 1 Leachate WQS Failures.

Expl. Hole	Contaminant of Concern	Tier 1 WQS (ug/l)	Screening Criteria Source	Result (ug/l)
WS A1SC006	Copper	1	EQS	2.7
WS A1SC006	Zinc	10.9	EQS	64

- 7.10.4 The soil leachate tests cannot be used to provide an indication of potential mobility of hydrocarbon contamination. In light of the evidence of mild hydrocarbon odours in WS A1SC005 and WS A1SC006, the results of the soils tests from hydrocarbon have been considered qualitatively in relation to Controlled Waters. Low levels of aromatic petroleum hydrocarbons and PAHs were recorded within the Made Ground in these exploratory holes, consistent with the mild odours. The concentrations recorded reduced with depth in both exploratory holes. No visual evidence of free product was identified.
- 7.10.5 Based upon the lack of nearby surface water courses, relatively low permeability Glacial Deposits anticipated to be present above the bedrock and limited extent of works proposed in the area, it is considered unlikely that the indicated levels of hydrocarbons will present a risk to Controlled Waters.

## 7.11 Re-use of Soils

- 7.11.1 Introducing a soil material re-use strategy will be consistent with National Highways' commitment to incorporate sustainable methods into the design of projects as outlined in GG103 [53]. The re-use of soil materials within the scheme will reduce quantities of material destined for landfill, waste generation, unnecessary costs, and unnecessary journeys.
- 7.11.2 In addition, the requirement to import fill materials (and associated costs) may also be reduced. This will assist with meeting National Highways' environmental sustainability goals, including minimising greenhouse gas emissions, reducing waste generation, using sustainably sourced materials, and being resource efficient and reflecting a circular approach to the use of materials.
- 7.11.3 Prior to excavations and re-use of the material, an appropriate re-use methodology and Materials Management Plan, and associated Verification Plan document, should be completed to enable the re-use of the material. The Verification Plan should identify how the placement of materials is to be recorded and the quantity of materials to be used, including a statement on how the use of the materials relates to the highway design. Verification testing results should be compared to re-usability criteria from a corresponding Series 600 Earthworks Specification and Verification Plan.

## 7.12 Indicative Waste Classification

- 7.12.1 If possible, it is preferable the scheme is designed to minimise volume of surplus soil materials which arise, or material can be re-used in preference to landfill disposal. However, it is recognised the project may not be able to re-use or retain all surplus materials on-site (due to programme, storage space or geotechnical requirements) and off-site disposal of a quantity of surplus soils may be unavoidable.
- 7.12.2 Waste classification is a two-stage process, with the first step comprising a hazard assessment of the soil quality data in line with the guidance set out in the Environment Agency: Guidance on the Classification and Assessment of Waste Technical Guidance WM3 document, to provide the likely LoW code. The second step comprises targeted testing of Waste Acceptance Criteria (WAC) to confirm the most appropriate landfill waste stream.
- 7.12.3 The Hazard and Waste Acceptance assessment methodology is outlined in Appendix G and The full HazWasteOnline™ [54] reports are presented in Appendix I.

### Hazard Assessment

- 7.12.4 11 Made Ground sample have been assessed using the HazWasteOnline™ [54] tool.
- 7.12.5 All samples were classified as "17 05 04 (soil and stones other than those mentioned in 17 05 03) Non-Hazardous Waste".

### Waste Acceptance Criteria for Disposal

- 7.12.6 Waste Acceptance Criteria (WAC) testing identified that the majority of material may be suitable for inert landfill and Non-Hazardous Landfill. A summary of WAC tests and waste classification is provided in Table 7.12-1

Table 7.12-1: Scheme 11 – Waste Hazard Assessment

Sample ID	Depth (m bgl)	Stratum	Waste Classification	Landfill Stream
HDP A1SC001A	1.00	Made Ground	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill
HDP A1SC002	0.20	Made Ground	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill



Sample ID	Depth (m bgl)	Stratum	Waste Classification	Landfill Stream
WS A1SC006	1.00	Made Ground	17 05 04 Non Hazardous Waste	Suitable for Inert & Non Hazardous Landfill

## 7.13 Conclusions and Recommendations

7.13.1 This section has provided a preliminary assessment of the potential land contamination conditions and risks to the proposed development. Overall, the assessment indicates there is low risk from land affected by contamination within scheme 11. A summary of the findings are presented below and recommendations for further work, where required.

### Human Health

7.13.2 The preliminary human health risk assessment has identified marginal exceedances of Benzo(a)pyrene and Dibenz-a-h-anthracene. These exceedances correlate to the slight hydrocarbon odour observed during the ground investigation and is likely associated with the macadam content of the Made Ground arising from the original road construction during the 1970s.

7.13.3 The primary exposure pathway for PAHs is via ingestion and dermal contact and the proposed scheme will reduce this exposure pathway for future road users due to the presence of hardstanding. Therefore, the primary receptors of concern are construction workers and maintenance workers. The risks to these receptors can be controlled through appropriate site management and Personal Protective Equipment (PPE).

7.13.4 Whilst no other exceedances were observed, further unidentified contamination may be present. Site operatives, which are the main receptors during infrastructure upgrade works and subsequent maintenance works, should be advised that the site has potential to be contaminated. Suitable Personal Protective Equipment (PPE) should be worn to protect workers from site specific hazards as described under the CIRIA R132 Guidance [55]. The primary risk for exposure from contaminants is via direct contact during construction works at the site, and therefore where necessary whilst working in Made Ground and considered task appropriate, operatives should adopt good hygiene procedures, and wear hand protection (nitrile gloves), long overalls (covering arms), and eye protection, in addition to standard PPE. Confined spaces best practice should be adopted as a matter of course. Should olfactory or visual gross contamination be encountered on site it should be considered contaminated, work should cease, and a Geo-Environmental Specialist be consulted.

### Controlled Waters

7.13.5 WS A1SC006 recorded leachate concentrations of Copper marginally above the assessment criteria and Zinc was significantly above the assessment criteria. Whilst exceedances have been recorded, leachate tests do not account for dilution and dispersion and are unlikely to represent in situ conditions. Groundwater has not been encountered to the investigated depths, and therefore the vertical distance is likely to be sufficient for leaching contaminants to have minimal impact. Relatively low permeability Glacial Deposits are anticipated to be present above the bedrock, limiting the potential downward pollution pathway, with no surface water courses identified in the immediate vicinity of the proposed works. The proposed scheme will further reduce the impact to controlled waters by incorporating positive drainage and hardstanding which will have a positive effect of reducing leaching potential of soils.

### Material Re-use

7.13.6 The proposed scheme will generate quantities of material from excavated Made Ground. Whilst this material has been assessed as suitable for disposal as Inert and Non Hazardous Waste, the scheme design and construction works should aim to minimise offsite disposal to landfill. The assessment indicates that the majority of material tested is likely to be chemically suitable for re-use. The re-use of material should be undertaken in accordance with a



Materials Management Plan (MMP) under CL:AIRE Definition of Waste Code of Practice (DoWCoP). The MMP should be developed by a competent person, agreed with the regulator and include the following:

- Appropriate soil reuse criteria which is both protective of human health and controlled waters
- Plans identifying where materials are to be excavated, stockpiled and re-used,
- Cross referenced to and within the Earthworks Specification detailing geotechnical re-use parameters
- A suitable sampling regime for stockpiled material to be re-used
- Details of the landowner, designer, earthworks contractor and regulatory contacts
- Planning permissions relating to the site and a design description of certainty of use;
- A strategy to identify and manage unidentified contamination;
- Estimated volume of excavated materials and materials to be re-used;
- Details for managing excess or out of specification materials; and
- Details of a material tracking system and copies of the tracking/control forms to be used.

7.13.7 Additionally, a verification report will be required to be submitted to CL:AIRE to verify that materials have been placed in a safe and suitable manner. It is recommended that a competent person is present during site works to monitor the movement and placement of materials as well as document the relevant criteria required for a verification report.

### Waste Classification

7.13.8 If material cannot be re-used then it is preferable that soils are sent to a suitable soil recycling facility. If disposal to landfill is required then the waste hazard classification suggests materials are likely to be non-hazardous. WAC testing indicated that material would be suitable for disposal in an inert landfill or non-hazardous landfill.

7.13.9 It is likely that additional pockets of Made Ground may be present in areas which have not been investigated. Further samples should be taken in accordance with BS10175:2011+A1:2003 where waste disposal is required to confidently classify the waste. Samples should be scheduled for chemical testing by a geo-environmental specialists, and assessed following receipt of the results.

7.13.10 Relevant chemical test data along with material descriptions and LoW codes will need to be provided to the proposed landfill and confirmation sought as to the final classification and subsequent cost associated with disposal.

## 8 Package C - Ground Model Summary

8.1.1 The following section provides a ground model summary for the individual earthworks and structures throughout Package C.

Table 8-1: Scheme 9 – Ground Model Summary

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
<b>Section 9.1 - Start of scheme to Dick Scot Lane</b>								
Proposed Pond 1 & Pond 2 to the south of A66.	69+972	70+000	No targeted ground investigation available. Pond depth: TBC (embankment) Ground level anticipated 140mOD					
Earthwork 1 –Low Height Cutting	69+972	70+250	Approx. Slope Crest Level (EB): 161.5 – 167.0mOD Approx. Slope Crest Level (WB): 162– 167mOD Proposed Road Level: 161 – 167mOD				NZ11SW75 NZ11SW55 - 56 TP SBC003	
			Topsoil	0	varies	0.1-0.3		
			Made Ground	0.1	varies	0.4 -1.4		
			Glacial (Cohesive)	0.2-1.4	varies	>2.8		
			Bedrock	Not proven				
Earthwork 2 – Cutting (offline to south)	70+050	70+250	Approx. Slope Crest Level (EB): 159.5-167.5mOD Approx. Slope Crest Level (WB): 161-168.5mOD Proposed Road Level: 159-167.5mOD				TP SBC002/3 BH SBC001	
			Topsoil	0	varies	0.2		
			Glacial (Cohesive)	0.2	varies	>2.5		
			Bedrock	varies	158	Not proven		
New Culvert S09-C01	70+080		Approx. Road Level: 162.2mOD Proposed Invert Level: 158.5mOD				NZ11SW55 /75	
			Topsoil	0	162.2	0.2		
			Made Ground	0	162	0.5-1.4		
			Glacial (Cohesive)	0.2 – 1.4	varies	>1.3		
			Bedrock	Not proven				
New Culvert S09 – C02 (beneath Browson Bank farm access)	70+100		Approx. Road Level: 160mOD Proposed Invert Level: 156.5mOD				TP SBC002	
			Topsoil	0	163.1	0.2		
			Glacial (Cohesive)	0.2	162.9	>2.5		
			Bedrock	Not proven				
Earthwork 3 – Embankment	70+250	70+660	Proposed Road Level: 167.2 – 178mOD Approx. Ground Level (EB): 165 – 176mOD Approx. Ground Level (WB):167 – 176.5mOD				TP SBC004, 6 BH SBC002 WS SBC004/ A/B	
			Topsoil	0	Varies	0.3-0.4		
			Made Ground	0	varies	0.3->0.8		
			Glacial (Cohesive)	0.3->0.8	varies	>5.6		
			Bedrock	Not proven				

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
Earthwork 4–Cutting (offline)	70+620	70+750	No targeted ground investigation, nearest holes (TP SBC006 and BH SBC006) located approximately 50m north indicates potential for Made Ground (2m thick in BH SBC006) overlying Cohesive Glacial Deposits. Bedrock was encountered at 3.8m bgl (175.9mOD) in BH SBC006.					
Earthwork 5–Embankment/Cutting	70+660	70+880	Proposed Road Level: 178.0 – 180.0mOD Approx. Ground Level (EB): 178.5 – 178.0mOD Approx. Ground Level (WB): 176 – 178mOD				0.4	BH SBC005, 6,7 TP SBC006/7
			Topsoil	0	varies			
			Made Ground	0	varies	2		
			Glacial (Cohesive)	0.4- 2	varies	1.5-3.4		
			Bedrock	1.9-3.8	174.9-178.9	Not proven		
Earthwork 6–Embankment	70+880	71+250	Proposed Road Level: 177- 180mOD Approx. Ground Level (EB):172.5 – 179mOD Approx. Ground Level (WB): 172.5 – 180mOD				0.1-0.5	BH SBC008 - 10A TP SBC007-9
			Topsoil	0	varies			
			Made Ground	0	varies	0.15-1.2		
			Glacial (Cohesive)	0.1-1.2	varies	1.3-4.15		
			Glacial (Granular)	0.3-4.3	varies	0.6->3.3		
			Bedrock	1.8-5.7	166.0-175.5	Not proven		
Structure 1 – Farm Access Underpass	71+070	71+080	Proposed A66 Road Level: 179.5mOD Proposed Underpass Road Level: 171.5mOD Existing Ground Level: 172.3mOD				0.1	BH SBC008 TP SBC008
			Topsoil	0	172.3			
			Made Ground	0	varies	1.2		
			Glacial (Cohesive)	0.1-1.2	varies	varies		
			Glacial (Granular)	varies	169.5	0->3.3		
			Bedrock	varies	168.6	Not proven		
<b>Section 9.2- Dick Scot Lane to Collier Lane</b>								
Earthwork 1– Cutting	71+250	72+210	Approx. Slope Crest (EB): 176.5 – 159.5mOD Approx. Slope Crest (WB): 177.5 – 160.5mOD Proposed Road Level: 176.5 – 152.0mOD				0.2-0.4	TP SBC010, 11,12,12A,13, 14,17,18 BHSBC011, 12,13,14,14A, 15,17
			Topsoil	0	varies			
			Glacial Cohesive	0.2-0.4	varies	16.5->7.75		
			Glacial Granular	varies	varies	0.4-1.4		

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
			Bedrock	varies	134.3-142.1	Not proven		
Structure 1 – New West Layton Overbridge	72+070	72+090	Proposed Collier Lane Level: 161mOD Proposed A66 Road Level: 152.5mOD Existing Ground Level: 158.4mOD					<i>BH SBC014, 14A, 15, 16</i>
			Topsoil	0	158.4	0.3-0.4		
			Glacial Cohesive	0.3-0.4	158.1	>16.5		
			Bedrock	varies	134.3-142.1	Not proven		
New Culvert S09-C03 (offline)	72+080		Approx. Road Level: 160mOD Proposed Invert Level: 157.3mOD					<i>BH SBC016</i>
			Topsoil	0	158.1	0.4		
			Glacial Cohesive	0.4	157.7	>6.6		
			Bedrock	Not proven				
Earthwork 2– Embankment (offline)	71+960	72+210	Proposed Road Level: 150 - 164mOD Approx. Ground Level (EB): 150 – 164mOD Approx. Ground Level (WB): 149.5 – 160.5mOD					<i>BH SBC013, 15, 17 TP SBC015, 16</i>
			Topsoil	0	varies	0.2-0.4		
			Glacial Cohesive	0.2-1.3	varies	22.2 - >7.6		
			Glacial Granular	0.2	158.7	0-1.1		
			Bedrock	22.5	134.3	Not proven		
Proposed Pond 3	72+200		Pond depth: TBC (partial cutting/embankment) Ground level anticipated 148mOD					<i>TP SBC022</i>
			Topsoil	0	147.6	0.25		
			Glacial Cohesive	0.25	147.4	>4.3		
			Glacial Granular	0.8	146.8	0.3		
			Bedrock	Not proven				
<b>Section 9.3 - Collier Lane to cutting west of Moor Lane</b>								
Earthwork 1– Embankment	72+210	72+600	Proposed Road Level: 152-154mOD Approx. Ground Level (EB): 152-154mOD Approx. Ground Level (WB): 149-153mOD					<i>TP SBC019, 20, 21 BH SBC018</i>
			Topsoil	0	151.6-153.7	0.3-0.4		
			Glacial Cohesive	0.3-0.4	151.3-153.4	>4.25		
			Glacial Granular	2.6	151.1	0- >0.2		
			Bedrock	Not proven				

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
Earthwork 2 - Embankment	72+600	73+200	Proposed Road Level: 145.5 – 152.5mOD Proposed Ground Level (EB):142-152mOD Proposed Ground Level (WB): 142 – 152.5mOD					TP SBC023, 24,25 BH SBC019
			Topsoil	0	varies	0.2-0.5		
			Glacial Cohesive	0.2-0.95	varies	>6.1		
			Glacial Granular	0.25-2.6	varies	0->2.3		
			Bedrock	Not proven				
New Culvert S09-C04	72+280		Proposed Road Level: 154 – 154.5mOD Approx. Invert Level: 150.5 - 149.7mOD Existing Ground Level: 151.6mOD					TP SBC019
			Topsoil	0	151.6	0.25		
			Glacial Cohesive	0.25	151.3	>4.25		
			Bedrock	Not proven				
New Culvert S09-C05	73+020	73+100	Proposed Road Level: 146mOD Approx. Invert Level: 140.9 – 140.2mOD Existing Ground Level:1415 + 142.7mOD					BH SBC019 TP SBC025
			Topsoil	0	141.7	0.5		
			Glacial Cohesive	0.4-0.5	141.2-141.2	>6.1		
			Glacial Granular	1.9	139.8	0-1.1		
			Bedrock	Not proven				
Proposed Pond 4	73+200		Pond depth: TBC (partial cutting/embankment) Ground level anticipated 142.5mOD					TP SBC026
			Topsoil	0	142.4	0.15		
			Glacial Cohesive	0.15	142.2	>3.8		
			Glacial Granular	1.8	140.6	0.6		
			Bedrock	Not proven				
<b>Section 9.4 - Moor Lane Underbridge</b>								
Earthwork 1 – Cutting	73+200	73+530	Approx. Slope Crest (EB): 145.5 – 149.5mOD Approx. Slope Crest (WB): 146 – 149mOD Proposed Road Level: 145.5 – 148mOD					TP SBC027,28 BH SBC020,21
			Topsoil	0	varies	0.3-0.4		
			Glacial Cohesive	0.15-0.35	varies	>8.2		
			Bedrock	Not proven				
Earthwork 2 – Cutting (offline)	73+380	73+700	Approx. Slope Crest (EB): 147 - 149.5mOD Approx. Slope Crest (WB): 146.5 – 149mOD Proposed Road Level: 144 - 146mOD					TP SBC028,29,32
			Topsoil	0	varies	0.3-0.4		

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
			Glacial Cohesive	0.25-0.4	varies	>5.5	<i>BH SBC021,22</i>	
			Bedrock	Not proven				
Earthwork 3— Embankment	73+600	73+700	Proposed Road Level: 148.4mOD Proposed Ground Level (EB): 145 – 146mOD Proposed Ground Level (WB): 146 – 147mOD					<i>BH SBC022,24</i>
			Topsoil	0	145.9-146.0	0.4		
			Glacial (Cohesive)	0.4	145.5-145.6	>24.6		
			Bedrock	Not proven				
Structure 1 – New Moor Lane Underbridge	73+550		Approx. A66 Road Level: 148mOD Approx. Access Road Level: 144mOD Existing Ground Level: 147.3mOD					No targeted ground investigation  <i>BH SBC022 (40m east)</i>
			Topsoil	0	147.3	0.4		
			Glacial (Cohesive)	0.4-0.5	varies	>7.6		
			Bedrock	Not proven				
New Culvert S09-C06 (offline)	73+700		Approx. Road Level 144.5mOD Approx. Invert Level: 142.1mOD					No targeted investigation available, nearest exploratory hole (TP SBC032) located 45m south, indicating thin topsoil overlying Cohesive Glacial Deposits.
<b>Section - 9.5 Moor Lane to end of scheme (A66)</b>								
Proposed Pond 5	73+550		No targeted ground investigation available. Pond depth: TBC (partial cutting/embankment) Ground level anticipated 135mOD					
Proposed Pond 6	73+800		Pond depth: TBC (partial cutting/embankment) Ground level anticipated 143mOD					<i>BH SBC025 (20m north)</i>
			Topsoil	0	143.0	0.3		
			Glacial (Cohesive)	0.3	142.7	>24.7		
			Bedrock	Not proven				
New Culvert S09-C07	73+850		Approx. Road Level:148.5 – 148mOD Proposed Invert Level: 140.2 – 139.4mOD					<i>BH SBC025</i>
			Topsoil	0	143.0	0.3		
			Glacial (Cohesive)	0.3	142.7	>24.7		
			Bedrock	Not proven				
Earthwork 1— Embankment	73+700	73+960	Approx. Road Level: 148.5mOD Slope Toe Level (EB): 146 – 148mOD Slope Toe Level (WB): 146 – 147.5mOD					<i>BH SBC023, 23A, 24, 25, 28</i>  <i>TP SBC033</i>
			Topsoil	0	varies	0.25-0.4		
			Glacial (Cohesive)	0.2-0.4	varies	>7.2		
			Glacial (Granular)	0.9	varies 4	0-1.1		

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
			Bedrock	Not proven				
Earthwork 2 – Cutting	73+960	74+220	Approx. Slope Crest (EB): 151 – 152mOD Approx. Slope Crest (WB): 148 – 151mOD Proposed Road Level: 148 – 149mOD					<i>BH SBC029,30</i>
			Topsoil	0	varies	0.4		
			Glacial (Cohesive)	0.4	varies	>10.1		
			Bedrock	Not proven				
Earthwork 3– Embankment	74+220	74+420	Approx. Road Level: 149 – 151.5mOD Slope Toe Level (EB): 146.5 – 150mOD Slope Toe Level (WB): 147 – 150.5mOD					<i>TP SBC030,34,35</i>
			Topsoil	0	145.9-147.8	0.3-0.4		
			Glacial (Cohesive)	0.3-0.4	145.6-147.4	>4.2		
			Bedrock	Not proven				
Culvert S09-C09 replacement	74+350		No targeted ground investigation available, nearest hole (TP SBC035) located 20m east, indicates thin topsoil (0.4m) overlying cohesive Glacial Deposits proven to c. 3m bgl (142mOD)					
Earthwork 4 – Infilling existing cutting	74+420	74+560	Approx. Slope Crest (EB): 155.5 – 150.5mOD Approx. Slope Crest (WB):152.5 – 155.5mOD Proposed Road Level: 151.5 – 153mOD					<i>BH SBC031 TP SBC036</i>
			Topsoil	0	varies	0.2-0.35		
			Glacial (Cohesive)	0.2-0.4	varies	>16		
			Glacial (Granular)	4.7	varies	0-0.7		
Structure 1 – New Retaining Wall	74+420	74+540	Approx. Crest (WB):152.5 – 156mOD Proposed Road Level: 151.3 – 152.5mOD					<i>BH SBC031</i>
			Topsoil	0	156	0.3		
			Glacial (Cohesive)	0.3	155.7	>16		
			Glacial (Granular)	4.7	151.3	0.7		
Earthwork 5– Embankment	74+560	74+820	Approx. Road Level: 152.5 – 155mOD Slope Toe Level (EB): 147 – 152mOD Slope Toe Level (WB): 146.5 – 150mOD					<i>TP SBC036 BH SBC032,32A</i>
			Topsoil	0	147.3	0.2		
			Made Ground	0	147.5-147.5	0.9-1.3		
			Glacial (Cohesive)	0.2-1.6	145.9-147.1	>9.1		
			Bedrock	Not proven				

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes
Culvert S09-C11 extension	74+680		No targeted ground investigation available, nearest historical hole (NZ10NE14) undertaken near proposed culvert. Indicates 0.3m topsoil overlying firm to stiff Cohesive Glacial Deposits proven to a maximum depth of 5m (142mOD).				
Structure 2 – New Underpass	74+820	74+860	Nearby historical holes (NZ19NE15 and NZ10NE16) located c. 50m east and west of the underpass show thin topsoil overlying firm to stiff cohesive Glacial Deposits.				
Earthworks 6 – Cutting	74+820	74+860	No targeted ground investigation available. Nearest exploratory hole (NZ10NE15) located approximately 20m southwest. Ground conditions indicated to comprise thin Topsoil overlying Cohesive Glacial Deposits proven to 4.8m bgl (145mOD).				
Earthwork 7 – Embankment/Cutting (offline)	74+860	74+997	Approx. Road Level: 155.5 – 159.2mOD Slope Toe/Crest Level (EB): 154.5 – 160mOD Slope Toe/Crest Level (WB): 152 – 157mOD				TP SBC038
			Topsoil	0	152.8	0.75	
			Glacial (Cohesive)	0.75	152.0	>2.25	
New Culvert S09 – C14	74+900		Approx. Road Level: 156mOD Approx. Invert Level: 153 – 151mOD				TP SBC038
			Topsoil	0	152.8	0.75	
			Glacial (Cohesive)	0.75	152.0	>2.3	
Bedrock	Not proven	<150	Not proven				
<b>Section 9.6 - Moor Lane to end of scheme (access road to south)</b>							
Existing Culvert S09-C08	73+900		Approx. Invert Level: As existing Approx. Road Level: As existing				
			No targeted ground investigation available, nearest exploratory hole (BH SBC025) located approximately 50m north. Ground conditions indicated to comprise Topsoil overlying Cohesive Glacial Deposits and Granular Glacial Deposits.				
Earthwork 1 – Embankment	73+900	74+000	No targeted ground investigation, ground conditions anticipated to comprise thin topsoil overlying glacial cohesive deposits. Bedrock encountered at 3.8m bgl in nearby BH SBC029 located 50m northeast.				
Earthwork 2 – Cutting	74+000	74+180	Approx. Slope Crest Level (EB): 145 – 151mOD Approx. Slope Crest Level (WB): 143.5 – 151mOD Proposed Road Level: 145.5 – 150mOD				TP SBC042 BH SBC029
			Topsoil	0	149.5-150.2	0.3-0.4	
			Glacial (Cohesive)	0.3-0.4	149.2-149.8	3.5	
Bedrock	Possible obstruction encountered at TP SBC042 at 145.7mOD						
Earthwork 3 – Embankment	74+180	74+450	Approx. Road Level: 146.5 – 149mOD Slope Toe Level (EB): 146.5 – 149mOD Slope Toe Level (WB): 146.5 – 149mOD				TP SBC030 TP SBC043
			Topsoil	0	145.9-146.6	0.3	



Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
			Glacial (Cohesive)	0.3	145.6-146.3	>5.4		
			Bedrock	Not proven				
Proposed Ponds 7 & 8	74+250	74+350	Pond depth: TBC (partial cutting/embankment) Ground level anticipated 148 - 150mOD					TP SBC030 TP SBC035
			Topsoil	0	varies	0.3		
			Glacial (Cohesive)	0.35	varies	>2.65		
			Bedrock	Not proven				
Earthwork 4 - Cutting	74+450	74+580	Approx. Slope Crest Level (EB): 146.5- 151 Approx. Slope Crest Level (WB): 147.5 - 151mOD Proposed Road Level: 147.5 147					TP SBC039
			Topsoil	0	148.2	0.5		
			Glacial (Cohesive)	0.5	147.7	>2.5		
			Bedrock	Not proven				
New Culvert S09-C10	74+300		Proposed Road Level: ~147.5mOD Proposed Invert Level: 140.4mOD  No targeted ground investigation available, nearest investigation (TP SBC043) located 20m east indicates thin topsoil overlying Cohesive Glacial Deposits proven to a maximum depth of 5.7m bgl (140mOD).					
New Culvert S09-C16/17	74+300/ 74+400		Proposed Road Level: ~147.5mOD Proposed Invert Level: 140.4mOD  No targeted ground investigation available, nearest investigation (TP SBC043) located 20m west indicates thin topsoil overlying Cohesive Glacial Deposits proven to a maximum depth of 5.7m bgl (140mOD).					
New Culvert S09-C12	74+600		Proposed Invert Level: 145.5mOD Proposed Road Level: ~147mOD  No targeted investigation available, nearest exploratory hole (TP SBC039) located c.75m west indicates thin topsoil underlain by Cohesive Glacial Deposits.					
Earthwork 5- Embankment	74+600	74+880	Approx. Road Level: 146 – 148mOD Approx. Slope Crest (EB): 145.5 – 146.5mOD Approx. Slope Crest (WB): 145 – 146.5mOD					TP SBC044
			Topsoil	0	144.2	0.6		
			Glacial (Cohesive)	2.4	141.8	>3.6		
			Glacial (Granular)	0.6	143.6	1.8		
			Bedrock	Not proven				
New Culvert S09-C13	74+680		Approx. Road Level: 148mOD Proposed Invert Level: 142.6 – 141.7mOD					TP SBC044
			Topsoil/ subsoil	0	144.2	0.6		
			Glacial (Cohesive)	2.4	141.8	>3.6		

Description	Ch. Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
			Glacial (Granular)	0.6	143.6	1.8		
			Bedrock	Not proven				
Proposed Ponds 9 & 10	74+650	74+750	Pond depth: TBC (partial cutting/embankment) Ground level anticipated 146 -148mOD					TP SBC040 TP SBC044
			Made Ground	0	varies	0-0.3		
			Topsoil/ subsoil	0	varies	0-1.9		
			Glacial (Cohesive)	0.3-2.4	varies	>3.6		
			Glacial (Granular)	1.9	varies	0-0.5		
			Bedrock	Not proven				
Earthwork 6 – Cutting	74+880	74+996	Approx. Slope Crest Level (EB): 146-147mOD Approx. Slope Crest Level (WB): 146-147mOD Proposed Road Level: 146-145mOD					TP SBC041/41A
			Topsoil	0.3	varies	0.5		
			Glacial (Cohesive)	0	varies	0.3		
			Glacial (Granular)	0.8	varies	>2.2		
			Bedrock	Not proven				
Culvert S09-C18 (offline)	74+900		Proposed Road Level: ~148mOD Proposed Invert Level: - TBC  No targeted ground investigation available, nearest exploratory hole (TP SBC040) located approximately 75m west. Ground conditions are anticipated to comprise thin Made Ground overlying Cohesive Glacial Deposits proven to 3m bgl (143.5mOD).					
New Culvert S09-C015	74+960		Approx. Road Level: 145.5mOD Approx. Invert Level: 142.7 – 142.6mOD					TP SBC041/41A
			Topsoil	0.3	varies	0.5		
			Glacial (Cohesive)	0	varies	0.3		
			Glacial (Granular)	0.8	varies	>2.2		
			Bedrock	Not proven				

Table 8-2: Scheme 11 – Ground Model Summary

Feature	Ch Start (m)	Ch. End (m)	Strata	Top Depth (m bgl)	Top Level (mOD)	Thickness (m)	Exploratory Holes	
Earthwork 1 – Embankment / nominal cutting	0	100	Proposed Road Level: 141.8 – 142mOD Approx. Ground Level(WB): 139 – 139.5mOD					HDP A1SC001A , 2, 3, WS A1SC006
			Made Ground	0 – 0.25	138.9 – 142.5	>5.4 (Not proven)		

## 9 Geotechnical Risk Register

- 9.1.1 *CD 622 [1]* requires development of a geotechnical risk register (GRR) from project inception, to identify particular risk to the project throughout its lifecycle. Each relevant risk is assessed to determine if it will happen (likelihood or probability). If it does, the potential impact on the project is evaluated. Both probability and impact are assessed on a scale of one to five, the value assigned then being based on experience and judgement. By multiplying the two values, a risk rating is determined.
- 9.1.2 Table 9--1 to Table 9--3 provide the means of evaluating the probability, impact and risk rating. The risk rating is then considered and given a risk classification to determine whether it can be tolerated. Appropriate action must be identified to eliminate the high risks and to mitigate those deemed tolerable.
- 9.1.3 Table 9-4 provides the risk register. This lists the geotechnical risks to the project, their likelihood, impact and initial risk rating. These risk ratings are then evaluated and classified and colour-coded accordingly. Mitigation measures are then identified in order to eliminate or reduce risks to a tolerable level.

Table 9--1: Geotechnical Risk Register - Impact description

Potential impact		
1	Minor	Minor damage or loss (no human injury)
2	Moderate	Moderate damage or loss (Slight injury or illness)
3	Serious	Substantial damage or loss (Serious injury or illness)
4	Major	Major damage or loss (Fatal injury)
5	Catastrophic	Catastrophic loss or damage (Multiple fatalities)

Table 9--2: Geotechnical Risk Register - Risk rating

Likelihood		Impact				
		1 Minor	2 Moderate	3 Serious	4 Major	5 Catastrophic
1	Extremely unlikely	1	2	3	4	5
2	Unlikely	2	4	6	8	10
3	Likely	3	6	9	12	15
4	Extremely likely	4	8	12	16	20
5	Almost certain	5	10	15	20	25

Table 9--3: Geotechnical Risk Register - Risk Classification

Risk classification	
Low (1 to 8)	Ensure assumed control measures are maintained and reviewed as necessary.
Medium (9 to 19)	Additional control measures needed to reduce risk rating to an acceptable level.
High (20 to 25)	Activity not permitted. Hazard must be avoided or measures applied to reduce risk to a tolerable level.

Table 9-4: Geotechnical Risk Register – Package C

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
1	Damage to existing retaining walls.	Damage of retaining structures leading to reduced lifespan or instability.	5	3	15	<p>The location of existing walls has been determined through google street view. A walkover is still to be undertaken. Appropriate mitigating design to be undertaken.</p> <p>Limited number of walls identified from aerial/ google street photography review. No dry stone walls identified but these may be present below carriageway level.</p> <p>A retaining wall has been identified on scheme 9 WB in the vicinity of Ravensworth Lodge. No work proposed in vicinity of the retaining wall.</p> <p>Existing retaining walls in scheme 11 associated with existing A1 cutting are located away from area of proposed works.</p>	1	3	3
2	Culverted watercourses crossing the full width of the highway alignment.	Collapsing ground, buried structure.	5	5	25	<p>Area cannot be avoided. The mitigation will be to assess the impact from the culverts and undertake appropriate design measures in the next stages.</p> <p>Ground investigation undertaken in the vicinity of existing and proposed culverts to understand</p>	2	5	10

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
						ground conditions, however investigation not available at all culvert locations.  Further targeted geotechnical and structural investigation is required to reduce residual risk further.			
3	Telecom lines.	Damage to utility.	5	2	10	Early discussions with Stats owner to determine protection measures if necessary, utility diversions undertaken.  Locations to be confirmed and safe method of working to be implemented by Contractor.	1	2	2
4	Powerlines/ overhead services.	Damage to utility and injury to construction workers.	5	5	25	Early discussions with Stats owner to determine protection measures and if necessary, utility diversions undertaken.  Location to be confirmed and safe method of working to be implemented by Contractor.	1	5	5
5	Water/ Sewage mains	Damage to utility and injury to construction workers	5	2	10	Early discussions with Stats owner to determine protection measures and if necessary, utility diversions undertaken.  Location to be confirmed and safe method of working to be implemented by Contractor	3	2	6

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
6	Potential for dissolution features and natural cavities based on limestone in the area.	Potential for collapsing ground conditions.	5	5	25	Desk study - karst risk assessment [15] undertaken and no karst landforms identified. (Refer to ES Road Drainage and Water Environment chapter).  Preliminary ground investigation undertaken did not identify any voids present. Depth of investigation were limited in some areas.  Further targeted geotechnical investigation is required where load bearing structures and attenuation basins are proposed.  Remedial measures may be required. Design works will need to take any voids and remediation into account.	1	5	5
7	Earthwork Defects.	Further deterioration of existing defects causing instability to carriageway	5	5	25	Earthworks defects listed in the PSSR [6]  Geotechnical engineer to inspect and investigate critical earthworks and all defects during site surveys, with appropriate mitigation measures to be considered during the design phase.  Allowance for further targeted ground investigation where required.	1	5	5

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
8	Risks associated with historical development	<p>Historical land-use leading to potential impact from contamination including coal tar from highway construction, and ground gases.</p> <p>Historical land uses include quarries. Potential historical structures e.g. foundations and other hard ground causing excavation difficulty.</p>	3	3	9	<p>PSSR [6] undertaken, including review of historical mapping to identify potentially contaminative land uses.</p> <p>Geo-environmental testing was undertaken as part of preliminary ground investigation on selected samples of material and risk to human health and the environment assessed.</p> <p>Further targeted geotechnical investigation is required at location of potential sources of contamination to identify the scope of any remedial measures or additional health and safety controls.</p> <p>Best practice to be implemented during earthworks phases for appropriate excavation, stockpiling and re-use of materials.</p>	1	2	2
9	Embankment construction.	Unacceptable .	4	4	16	<p>Ground investigation undertaken at key embankment locations to inform design.</p> <p>Further targeted geotechnical investigation required.</p> <p>Consideration should be given for unexpected ground</p>	1	4	4

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
						conditions, formation levels should be inspected prior to construction and soft spots removed and replaced.  Embankment fill to be sourced and compacted in accordance with the SHW.  Sequencing of works to be considered to allow settlement to take place during construction.			
10	Embankment construction.	Soft ground at formation level.	4	4	16	Ground investigation undertaken at key embankment locations to inform design and characterise anticipated ground conditions.  Further targeted geotechnical investigation required.  Formation levels should be inspected prior to construction and soft spots removed and replaced.  Consider ground improvement techniques to mitigate instability caused by underlying soft soils.	1	4	4
11	Embankment construction.	Shortfall in suitable site-won fill material for construction.	4	4	16	Review of material suitability to be undertaken based on ground investigation information.	1	4	4



Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
						Use lime or other binders to improve site-won soils for use as fill.			
12	Formation of soil cuttings. (Scheme 9)	Slope instability requiring reduced slope angles and incurring greater 'land take'.	4	3	12	<p>Ground investigation has been undertaken at all key cutting locations with the exception of Moor Lane junction and Carkin Moor Farm access.</p> <p>Slope stability assessment to be undertaken to establish cutting slope angles.</p> <p>Preliminary assessment using existing ground investigation data suggests that 1V:3V is likely to be achieved in all places, with steeper slopes potentially possible locally.</p> <p>Further targeted geotechnical investigation required.</p>	1	3	3
13	Drivability of sheet piles into Glacial Deposits. (Scheme 9)	Unable to drive sheet piles to the required embedment depth due to the presence of boulders or rockhead.	4	3	12	<p>Ground investigation has been undertaken at key structure locations, with the exception of Moor Lane junction.</p> <p>The glacial till was described as including cobbles and occasional boulders. Bedrock depth variable across the site.</p>	4	3	12
14	Aggressive ground conditions.	Sulphate attack on foundation	5	3	15	Ground investigation findings indicate potentially	5	1	5

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
		concrete especially in Made Ground and Alluvium.				aggressive conditions within disturbed Glacial Deposits and disturbed mudstone.  Buried concrete to be designed for the appropriate aggressive ground classification.			
15	Shallow or perched groundwater including seepages from granular horizons within the Glacial Deposits. (Scheme 9).  Artesian conditions encountered at Ch 71+100.	Flooding or instability of excavations, increase water pressures behind retaining structures, implication for foundation design.	4	5	20	Ground investigation undertaken shows relatively shallow groundwater encountered at location of proposed West Layton Cutting/ Overbridge.  Clayey gravels encountered at depth at the location of the Carkin Moor retaining wall.  Allowance for localised treatment of seepages encountered within cutting faces.  Artesian conditions encountered near accommodation underpass at Ch 71+070.	4	1	4
16	Potential for shallow bedrock. (Scheme 9)	Shallow bedrock causing excavation difficulties.	3	3	9	Ground investigation has been undertaken at a range of key cutting and structure locations. Shallow rockhead encountered in the west of the scheme (Ch. 70+000m and between 70+700 – 71+250) where predominantly embankments and nominal cuttings are proposed. .	3	3	9

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
						Supplement existing ground investigation with targeted ground investigation at key cutting and structure locations not investigated due to access constraint/ changes to design.			
17	Potential for historical mining - Limestone/Sandstone (Scheme 9)	Potential for mine workings beneath this section identified in GDMS	3	5	15	PSSR concluded the risk of mining and quarrying as low.  Ground investigation undertaken along route to significant depth indicates rockhead is not shallow in the east of the site.  Potential for underground mining investigated as part of PEIR [18]. No further information on mining available.	3	5	15
18	UXO	Finding or hitting UXO during construction.	2	5	10	Zetica unexploded bomb map identifies risk as low.	1	5	5
19	Glacial cohesive deposits wet of optimum	Unable to re-use excavated material as fill during earthworks.	4	4	16	Supplement existing ground investigation with additional earthworks testing, targeted on potential sources of fill.  Evaluate treatment options to maximise re-use of material and assessment of improvement due to different binders.	3	2	6
20	Sulphate bearing soils.	Potential to generate problems for	4	5	20	Further ground investigation and laboratory testing to	4	2	8

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
		construction if lime binders are used due to adverse soil chemistry.			10	determine TPS on a site by site basis.  Undertake soaked CBR tests at various % of lime content to determine swelling potential.  Establish distribution of TPS vs depth and chainage.			4
21	Pond locations	Limited understanding of ground conditions at pond locations resulting in changes to design	2	5	10	Further targeted geotechnical investigation required at location of attenuation basins/ ponds.  Establish presence of rock at shallow depth, type, karst potential and design measures required.	2	2	4
22	Carkin Moor Scheduled Ancient Monument	Restricted working area.  Potential for obstructions to earthworks or retaining wall construction.	2	4	8	Design to take into account reduced working space and advice from statutory bodies to reduce impact on Scheduled Ancient Monument.  Geophysics survey carried out to identify potential archaeological obstructions.	2	3	6
23	Ground Contamination	Potential harm to health of site end users, controlled waters and construction and maintenance workers.	3	3	9	Geo-environmental testing was undertaken as part of the preliminary ground investigation on selected samples of material and the risk to human health and the environment assessed.  Cohesive glacial deposits will reduce any migration of	2	3	6

Risk ID	Hazard	Consequence	Risk Rating Before Control			Mitigation	Residual Risk Rating		
			Likelihood	Impact	Risk		Likelihood	Impact	Residual Risk
					12	potential contaminants in groundwater to offsite receptors.  Appropriate control measures to be adopted during the works, including suitable PPE under CIRIA R132. Should olfactory or gross contamination be encountered on site work should cease and a geo-environmental specialist consulted.			8
24	Coal tar products in existing carriageway	Hazardous material (Class U2)	4	3	12	Road coring programme to ascertain presence and extent	4	2	8

## 10 Engineering Assessment

### 10.1 Scope and Objectives

- 10.1.1 In accordance with the requirements of CD622 [1] this chapter considers an Engineering Assessment of each scheme element providing a description and justification of the geotechnical options that have been considered in the schemes' development, and providing justified engineering reasoning for the options considered.
- 10.1.2 This chapter considers both earthworks and structures and any specialists geotechnical measures that may be considerate appropriate.
- 10.1.3 This chapter does not constitute a design, but a geotechnical appraisal.
- 10.1.4 Structures and earthworks are referenced in ascending chainage.
- 10.1.5 With reference to CD622 [1] and BS EN 1997-1 [2], the schemes within Package C have been assessed as Geotechnical Category 2 with no exceptional geotechnical risks, unusual or difficult ground conditions or loading conditions.

### 10.2 Scheme 9: Stephen Bank to Carkin Moor

- 10.2.1 Scheme 9 covers the route between chainage Ch. 69+972 and 74+998. The proposed alignment will comprise a new carriageway which runs parallel to the north of the existing A66. The alignment re-joins the existing A66 corridor at Ch. 74+300 where the existing alignment will be raised and widened.
- 10.2.2 The proposed alignment of the new carriageway will be constructed on several sections of embankment between Ch. 70+250 to 70+660, Ch. 70+880 to 71+250, Ch. 72+210 to 73+200, Ch. 73+600 to 73+960, Ch. 74+220 to 74+420, and Ch. 74+560 to 74+820. All embankments have side slopes of 1V:3H and have a maximum height of 8m. All embankments are likely to be formed of Class 2 materials (likely modified by the addition of lime).
- 10.2.3 New cuttings are proposed between Ch. 69+972 to 70+250, Ch. 70+660 to 70+880, Ch. 71+250 to 72+210, Ch. 73+200 to 73+530 and Ch. 73+960 to 74+220, Ch. 74+420 to 74+560 and Ch.74+820 to 74+997. All cuttings have side slopes of 1V:3H and have a maximum depth of 10.9m. The ground conditions across the scheme are considered to be such that the side slopes of the proposed earthwork are expected to be stable in the long and short term.
- 10.2.4 Widening of the existing A66 earthworks is proposed between Ch. 74+300 and 74+998. This primarily comprises the extension of embankments up to 5.5m high with all side slopes proposed at gradients of 1V:3H.
- 10.2.5 A link road will be constructed partially on the de-trunked A66 between Ch. 70+000 and 73+900, after which it will be constructed on a new road to the south of the final A66 alignment to connect to the B6274. New sections of the road will be formed on low height/depth embankments and cuttings with side slopes of 1V:3H.
- 10.2.6 An overbridge is proposed to link Collier Lane and West Layton to the de-trunked A66 at Ch. 72+080. An underbridge and associated approach roads are proposed to the western boundary of the existing alignment of Moor Lane at Ch. 73+550. A new bridleway underpass will be provided to the north of Warrener Lane at Ch. 74+840. Foundations for structures are anticipated to comprise shallow pad foundations at this stage, however, piled foundations may need to be considered depending on confirmation of final loads are confirmed.
- 10.2.7 Attenuation pond drainage features are proposed across the scheme at several locations.
- 10.2.8 Based on the ground conditions encountered during the preliminary ground investigation significant settlements are not anticipated and those that do arise are likely to be substantially completed during the construction period without additional ground improvement provisions.

- 10.2.9 Reference should be made to HE565627-AMY-HGT-S09-DR-CE-200001-4 in Appendix A. These provide plan and longitudinal sections showing the proposed new road alignment, with the positions of relevant exploratory holes.
- 10.2.10 Table 10.1 provides the summary of the proposals, ground conditions and engineering considerations at each of the earthworks and structures. Detailed information on the ground conditions and investigation locations at each feature are provided within chapter 8 of this report. The proposals provided in the table were based on Design Model Freeze E and are subject to change dependent on any updates to the design from subsequent model freezes.

Table 10.1: Scheme 9 - Stephen Bank to Carkin Moor – Engineering Assessment

Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor				
Feature	Location	Chainage (m)	Stratigraphy	Proposal
<b>SECTION 9.1 (Ch. 70+000 to Ch. 71+250) Start of scheme to before West Layton Overbridge</b>				
<b>Proposed Pond 1 &amp; Pond 2</b>	South of A66	69+972 to 70+000	No targeted ground investigation, nearest holes indicate potential for soft glacial deposits and shallow bedrock.	Two ponds located adjacent to one another to the south of the A66. Both with bunded perimeters.
<b>Earthwork 1 – Low Height Cutting</b>	A66 Mainline	69+972 to 70+250	Thin topsoil overlying made ground deposits. Historical holes indicate presence of former road surface (described as black tarmac) at to 0.4 and 1.1m bgl. Glacial deposits were described as soft to 0.8m bgl, becoming firm at depth. Materials comprise slightly sandy slightly gravelly CLAY with medium cobble content. Potential alluvium identified within one hole at 1.7m to 2.7m bgl described as soft orange very sandy CLAY with many rootlets. Rockhead was not proven by the ground investigation and is anticipated to be below road formation level. Groundwater monitoring undertaken nearby in BH SBC001 within sandstone indicates groundwater c.2m bgl.	Widening of existing carriageway with extension to existing cutting. Proposed road level between 161 to 167mOD. Side slopes are 1V:3H, maximum cutting depth of 2m. Cut off drains located at crest of westbound and eastbound cutting slopes. All excavated material should be inspected for evidence of contamination and classified prior to re-use or off-site disposal. Excavation and replacement of any soft materials at formation level with engineered fill.
<b>Earthwork 2 – Cutting (offline to south)</b>	Southern access road (connecting to de-trunked A66)	70+050 to 70+250	Thin topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY medium cobble and low boulder content. Soft materials encountered to 2.7m bgl in TP SBC002. Rockhead was proven beneath proposed road level at 158mOD in BH SBC001 located 100m west of the cutting. Groundwater monitoring undertaken nearby in BH SBC001 within sandstone indicates groundwater >2m bgl	Cutting for southern access road accommodating Browns Bank Farm and de-trunked A66. Proposed road level 159.0 – 167.5mOD Side slopes 1V:3H, maximum cutting depth of 2.5m. Cut off drains located at crest of westbound and eastbound cutting slopes. Potential for shallow rockhead c.1m below road formation level to the west end of this section.
<b>New Culvert S09-C01</b>	A66 Mainline	70+080	Historical holes indicate presence of made ground and	Proposed new 1.2mx1.5m culvert under A66 alignment.

<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
			<p>former road surface (described as black tarmac) at 0.4 and 1.1m bgl.</p> <p>Made ground overlies soft and firm very sandy CLAY.</p> <p>Nearby historical holes encountered SANDSTONE rockhead at 158mOD.</p>	<p>Approximately 48m long and depth of fill above the culvert is expected to be approximately 1.5m.</p> <p>Nominal earthworks planned in the vicinity of the culvert.</p> <p>Proposed invert level 158.5mOD.</p> <p>Shallow rockhead encountered to the southwest, indicating potential for rock within excavation. Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul>
<b>New Culvert S09-C02 (offline)</b>	Southern access road (connecting to de-trunked A66)	70+100	<p>No targeted ground investigation available.</p> <p>Nearby investigation indicates topsoil overlying soft to firm slightly sandy slightly gravelly CLAY with medium cobble and low boulder content.</p>	<p>Proposed new 10m long and 0.45m diameter culvert beneath Browson Bank farm access.</p> <p>Nominal earthworks planned in the vicinity of the culvert.</p> <p>Proposed invert level 156.5mOD.</p>
<b>Earthwork 3 – Embankment</b>	A66 Mainline	70+250 to 70+660	<p>Topsoil or made ground overlying glacial deposits.</p> <p>Deposits of made ground proven to be up to 0.8m thick and comprise a black GRAVEL overlying very clayey slightly gravelly SAND. The material includes variable amounts of rubble described as tarmac and slag.</p> <p>Glacial deposits generally comprising soft becoming stiff slightly sandy slightly gravelly CLAY with medium cobble and low boulder content. Soft materials noted to 6.0m bgl.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p>	<p>New embankment for A66 up to a maximum height of 6.5m, predominantly offline of existing A66.</p> <p>Proposed road level 167.2 to 178mOD. Side slopes 1V:3H.</p> <p>Filter drain/cut off drains located at toe of westbound and eastbound embankment slopes.</p> <p>Consideration to be given to excavation and replacement of Made Ground if encountered at formation level.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p> <p>Consolidation settlement is expected and may be of significant magnitude given the size of the embankment. Glacial deposits are expected to be strong enough to provide support and stability to the proposed embankment.</p>
<b>Earthwork 4 – Cutting (offline)</b>	Southern access road (connecting to de-trunked A66)	70+620 to 70+750	<p>No targeted ground investigation available.</p> <p>Groundwater levels were recorded within BH SBC005 located c.100m north of the cutting. Groundwater levels were recorded at c.2m bgl within cohesive glacial deposits.</p>	<p>Cutting for southern access road accommodating Browson Bank Farm and de-trunked A66.</p> <p>Road merges into existing earthworks of de-trunked A66 and includes widening of existing cutting.</p> <p>All side slopes 1V:3H, max cutting depth of 2m.</p>



<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
				<p>Cut off drain located at toe of eastbound slope and filter drain at toe of westbound slope.</p>
<b>Earthwork 5 – Embankment/ Cutting</b>	A66 Mainline	70+660 to 70+880	<p>Thin topsoil or made ground overlying glacial deposits. Deposits of made ground were proven to be up to 2.0m thick and comprise a brown slightly gravelly SAND. The material includes material described as tarmac rubble.</p> <p>Glacial deposits generally comprise firm slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>Rockhead was proven beneath proposed road level as weathered extremely weak MUDSTONE between 174.9 and 178.9mOD (1.9 – 3.8m bgl).</p> <p>Groundwater levels were recorded within BH SBC005. Groundwater levels were recorded at c.2m bgl within cohesive glacial deposits.</p>	<p>At grade and low height embankment/ cutting supporting A66. Cutting on the eastbound carriageway up to 1m in height. Embankment along westbound carriageway up to 0.5m in height.</p> <p>Proposed road level 177 to 180mOD. Side slopes 1V:3H.</p> <p>Filter drains located at crest/toe of westbound and eastbound cutting/embankment slopes.</p> <p>All excavated material should be inspected for evidence of contamination and classified prior to re-use or off-site disposal.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Earthwork 6 – Embankment</b>	A66 Mainline	70+880 to 71+250	<p>Topsoil or made ground overlying glacial deposits over bedrock. Deposits of made ground are up to 1.2m thick and comprise a very clayey slightly gravelly SAND. The material includes slag.</p> <p>Glacial deposits generally comprising soft to stiff slightly sandy slightly gravelly CLAY with medium cobble content. TP SBC008 recorded very clayey SAND and GRAVEL from 169.5mOD to the base of the pit at 166.1mOD.</p> <p>Rockhead was encountered as weathered extremely weak MUDSTONE between 166.0 and 175.5mOD (1.8 – 5.7m bgl).</p>	<p>New embankment for A66 predominantly offline of existing A66. Embankment height up to 7.5m to accommodate Farm Underpass (Structure 1).</p> <p>Proposed road level 177 to 180mOD. Side slopes 1V:3H.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p> <p>Consolidation settlement is expected and may be of significant magnitude given the size of the embankment. Glacial deposits are expected to be strong enough to provide support and stability to the proposed embankment.</p>
<b>Structure 1 – Farm Underpass</b>	A66 Mainline	71+070 to 71+080	<p>Topsoil or made ground overlying glacial deposits. Made ground up to 1.2m thick comprising slightly clayey sandy GRAVEL including macadam, limestone and slag encountered to the south of the underpass.</p> <p>Glacial Deposits generally comprise soft to firm slightly sandy slightly gravelly CLAY with medium cobble content. TP SBC008 recorded very clayey SAND and GRAVEL from 169.5mOD to the base of the pit at 166.1mOD.</p> <p>Rockhead was encountered as weathered extremely weak MUDSTONE at 168.6mOD</p>	<p>New underpass/underbridge to access land to the north of the proposed offline A66 dualling immediately to the north of Dick Scot Lane. The proposed bridge has a minimum clear span of 6-8m to cross the proposed accommodation access.</p> <p>Proposed underpass road level is 171.5mOD. A66 mainline is on embankment at the location of the underpass.</p> <p>Foundation options for the bridge comprise the following substructure types:</p> <ul style="list-style-type: none"> <li>Precast prestressed Concrete Beams integral (closed soffit) on columns</li> </ul>

<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
			<p>possibly dipping to the north at this location.</p> <p>Groundwater strikes recorded at 4.3m and 6m bgl within glacial deposits and bedrock. Artesian conditions encountered in hole BH SBC010A to the east.</p>	<p>with reinforced earth abutments;</p> <ul style="list-style-type: none"> <li>• Precast concrete box/portal frame.</li> <li>• In-situ reinforced concrete box/portal frame.</li> </ul> <p>The box/portal frame options are likely to be founded within the Glacial deposits. The concrete beam with columns/reinforced earth could be supported by shallow foundations founded on bedrock.</p>
<b>SECTION 9.2 (Ch. 71+250 to Ch. 72+210) West Layton Overbridge and cutting to west</b>				
<b>Earthwork 1 – Cutting</b>	A66 Mainline	71+250 to 72+210	<p>Topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>SPTs indicate firm to stiff deposits although soft deposits were locally encountered to a maximum depth of 2.8m bgl. Thin granular glacial deposits described as very clayey very gravelly SAND encountered in TP SBC010/014/01/017.</p> <p>Rockhead was proven well below proposed road level as very weak to weak SANDSTONE at 142.1mOD (BH SBC014A) and as strong partially weathered LIMESTONE at 134.3mOD ((BH SBC015).</p> <p>A groundwater strike was encountered at TP SBC014 during drilling at 1m bgl within cohesive glacial deposits, and also within bedrock at 19.5m bgl in BH SBC014A.</p> <p>Groundwater monitoring indicates groundwater levels at c.5.7 -6.5m bgl within cohesive glacial deposits, which may interact with the cutting slopes.</p>	<p>New cutting predominantly offline of existing A66. Interaction with redundant existing A66 on the westbound slope.</p> <p>Proposed road level 176.5-152.0mOD.</p> <p>Side slopes 1V:3H, max embankment height of 10.9m.</p> <p>Cut off drains located at crest of eastbound cutting slope between Ch. 71+880 and 72+210.</p> <p>Consideration of counterfort face drainage required during detailed design.</p> <p>Consideration to potential heave of glacial deposits at base of cutting. Glacial deposits are expected to be strong enough to provide support and stability to the proposed cutting.</p>
<b>Structure 1 – New West Layton Overbridge</b>		72+070 to 72+090	<p>Topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY with medium cobble content. SPTs indicate firm to stiff deposits.</p> <p>Rockhead was encountered as very weak to weak SANDSTONE at 142.1mOD (BH SBC014A) and as strong partially weathered LIMESTONE at 134.3mOD ((BH SBC015).</p> <p>Groundwater monitoring indicates groundwater levels at c.5.7 -6.5m bgl within cohesive glacial deposits, which may interact with the cutting slopes. BH SBC014A recorded heavy</p>	<p>New overbridge to carry Collier Lane over the realigned A66 to connect West Layton and the de-trunked A66. A new 27.1m span bridge has been proposed.</p> <p>Proposed A66 Road Level 152.5mOD. A66 mainline within cutting at location of overbridge.</p> <p>Foundation options for the bridge comprise the following substructure types:</p> <ul style="list-style-type: none"> <li>• Three span open aspect integral bridge on bankseat abutments.</li> <li>• Two span open aspect integral bridge on bankseat abutments.</li> </ul>

<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
			inflow at 19.5m bgl within the SANDSTONE bedrock.	<ul style="list-style-type: none"> <li>Single span closed aspect integral bridge.</li> </ul> <p>If a bankseat arrangement is used, they will be onto the cohesive glacial deposits and would need to be minimum 2.5m bgl for foundation level. Potential loads on any bankseat arrangement are not known. Differential settlement between pier/abutments and bankseats could be quite high (&gt;50mm differential). Bankseats would therefore benefit from a piling solution.</p> <p>Abutment and pier foundations could sit on either spread or if necessary bored piles depending on lateral loadings. Rapid water inflow recorded within bedrock should be considered when designing piled foundations and selecting construction methods.</p>
<b>New Culvert S09-C03 (offline)</b>	Collier Lane	72+080	<p>Topsoil overlying glacial deposits generally comprising friable slightly sandy gravelly CLAY.</p> <p>Materials described as firm to stiff below 156mOD. Medium cobble content noted.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below invert level.</p>	<p>Proposed new 1.2mx1.5m culvert under Collier Lane, in area of proposed embankment.</p> <p>Proposed invert level 157.3mOD. Approximately 22m long and depth of fill above the culvert is expected to be approximately 1.0m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>Precast concrete box;</li> <li>Precast concrete pipes;</li> <li>Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p>
<b>Earthwork 2 – Embankment (offline)</b>	Collier Lane and southern access road	71+960 to 72+210	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with low to medium cobble content.</p> <p>Soft materials encountered locally within upper materials to a maximum depth of 2.8m bgl. Materials become firm to stiff at c.155mOD (2-5m bgl).</p> <p>Rockhead was encountered as strong partially weathered LIMESTONE at &lt;134.3mOD (&gt;22.5m bgl).</p>	<p>New embankment to accommodate West Layton Overbridge and access road to the south.</p> <p>Proposed road level 150 – 164mOD.</p> <p>Side slopes 1V:3H, max embankment height of 3.5m.</p> <p>Cut off drain located at crest of eastbound cutting slope between Ch. 72+100 and 72+210.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Proposed Pond 3</b>	South of A66 Mainline	72+200	<p>Topsoil overlying glacial deposits generally comprising soft to stiff slightly sandy slightly gravelly CLAY with low cobble content. SAND and GRAVEL was encountered between 0.8m and 1.1m bgl.</p>	<p>Bunded pond to the south of A66 and access road in partial embankment/ cutting.</p> <p>Cut off drain located at crest of western slope.</p>

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
			<p>Rockhead was not proven by the ground investigation and is anticipated to be below formation level. Nearby holes encountered rock at (c 17 – 22m bgl).</p> <p>No groundwater encountered within nearby holes.</p> <p>Soakaway testing indicates relatively low permeability as tests failed to reach the 75% or 25% effective depth.</p>	
<b>SECTION 9.3 (Ch. 72+210 to Ch. 73+200) West Layton Overbridge and cutting to west</b>				
<b>Earthwork 1 – Embankment/nominal cutting</b>	A66 Mainline	72+210 to 72+600	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 0.7 and 1.5m bgl.</p>	<p>New embankment / nominal cutting to accommodate A66 alignment.</p> <p>Proposed road level 152-154mOD</p> <p>Side slopes 1V:3H, max embankment height of 3.2m.</p> <p>Cut off drains located at toe of eastbound embankment slope.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Earthwork 2 – Embankment</b>	A66 Mainline	72+600 to 73+200	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY and medium cobble content.</p> <p>Soft to firm materials encountered within TP SBC024 and TP SBC025 to 1.9m and 2.6m bgl.</p> <p>Granular bands comprising slightly gravelly clayey SAND and clayey sandy GRAVEL encountered within majority of holes at varying depths.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p>	<p>New embankment to accommodate A66 alignment predominantly offline of existing A66.</p> <p>Proposed road level 145.5 – 152.5mOD.</p> <p>Side slopes 1V:3H, max embankment height of 4m.</p> <p>Cut off drains at the toe of the eastbound carriageway.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>New Culvert S09-C04</b>	A66 Mainline	72+280	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below invert.</p>	<p>Proposed 1.2m x1.5m culvert under A66 alignment in an area of embankment. Approximately 49m long and depth of fill above the culvert is expected to be approximately 2.5m.</p> <p>Proposed invert level 149.7 to 150.5mOD</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation</p>

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
				and replacement with suitable granular material. Culvert to be founded on firm to stiff glacial deposits.
<b>New Culvert S09-C05</b>	A66 Mainline	73+020 to 73+100	Topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY with medium cobble content. Granular bands comprising slightly gravelly clayey SAND and clayey sandy GRAVEL encountered at shallow depth.  Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.  Groundwater encountered at c.1m bgl (140.8mOD) within BH SBC019.	Proposed 1.2mx1.5m culvert under new A66 alignment. Approximate invert level 140.5mOD. Approximately 100m long and depth of fill above the culvert is expected to be approximately 3.0m.  Options for the culverts comprise: <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes</li> </ul> Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.  Culvert to be founded on firm to stiff glacial deposits.  Potential for shallow groundwater within excavation.
<b>Proposed Pond 4</b>	South of A66 Mainline	73+200	Topsoil overlying glacial deposits generally comprising soft to stiff slightly sandy slightly gravelly CLAY with low to high cobble content.  Materials become stiff at 2.4m bgl (c. 140mOD). Materials between 1.8 and 2.4m bgl described as including very clayey SAND and GRAVEL with high cobble content.  Soakaway test undertaken within trial pit did not achieve 75% or 25% effective depth. It is therefore assumed that the materials are of low permeability.  Rockhead was not proven by the ground investigation and is anticipated to be below formation level.  No groundwater was encountered within the exploratory hole undertaken at the pond location. However, BH SBC019 located c.100m north of the pond recorded monitored groundwater levels c.1m below ground level within cohesive glacial deposits.	Pond located between the realigned A66 and the de-trunked road. Cutting in the east of the pond up to 3m height.  Potential for shallow groundwater.
<b>SECTION 9.4 (Ch. 73+210 to Ch. 73+530) Cutting west of Moor Lane Underbridge</b>				
<b>Earthwork 1 – Cutting</b>	A66 Mainline	73+200 to 73+530	Topsoil overlying glacial deposits generally comprising soft to stiff slightly sandy slightly gravelly CLAY with low to high cobble content.	New cutting to accommodate A66 on new alignment.  Side slopes 1V:3H, max embankment height of 3.1m.

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
			<p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 1.5 and 2.5m bgl.</p>	<p>Proposed road level 145.5 – 148mOD.</p> <p>Cut off drain located at crest of eastbound cutting slope.</p> <p>Potential for groundwater within cutting. Consideration of counterfort face drainage required during detailed design.</p>
<b>Earthwork 2 – Cutting (offline)</b>	Moor Lane	73+380 to 73+700	<p>Topsoil overlying glacial deposits generally comprising firm slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 0.6 and 1m bgl.</p>	<p>New cuttings to accommodate Moor Lane Underbridge and associated slip roads.</p> <p>Proposed road level 144 – 146mOD.</p> <p>Side slopes 1V:3H, max cutting of 4m.</p> <p>Cut off drain located at crest of eastbound slip-off cutting slope and bridle way connection road to the north of the A66.</p> <p>Potential for groundwater within cutting. Consideration of counterfort face drainage required during detailed design.</p>
<b>Earthwork 3 – Embankment</b>	A66 Mainline	73+600 to 73+700	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Materials typically described as stiff at 142mOD (2-3m bgl).</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p>	<p>New embankment to accommodate A66. Crossing existing and redundant Moor Lane.</p> <p>Proposed road level 148.4mOD.</p> <p>Side slopes 1V:3H, max embankment height of 3m.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Structure 1 – Moor Lane Underbridge</b>	A66 Mainline	73+550	<p>Topsoil overlying glacial deposits generally comprising firm slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 0.6 and 1m bgl.</p>	<p>New underbridge to the new A66 over the realigned Moor Lane and associated NMU provisions. The proposed bridge has a minimum clear span of 18-22m.</p> <p>New road alignment to the west of Moor Lane in cutting. Proposed access road level at 144.mOD.</p> <p>The bridge will comprise precast prestressed concrete beams integral (open soffit) on sleeved columns to form abutment. A bottom-up approach is currently proposed.</p> <p>Foundations would be satisfactory as spread footings onto the stiff cohesive till at a depth of approximately 1.5m below excavated ground level (142.5mOD). Piled foundations through cohesive glacial deposits are a viable alternative.</p> <p>For spread footing construction some groundwater control may be required.</p>

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
<b>New Culvert S09-C06</b>	Moor Lane	73+700	<p>No targeted ground investigation available.</p> <p>Nearby ground investigation indicates topsoil overlying firm cohesive glacial deposits, becoming stiff at 142mOD.</p>	<p>Proposed 1.2mx1.5m culvert under Moor Lane. Approximately 15m long and depth of fill above the culvert is expected to be approximately 1.0m.</p> <p>Nominal earthworks planned in the vicinity of the culvert.</p> <p>Culvert anticipated to be founded within glacial deposits.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p>
<b>SECTION 9.5 (Ch. 73+700 to Ch. 74+997) Moor Lane to end of scheme (A66)</b>				
<b>Proposed Pond 5</b>	73+550		<p>No targeted ground investigation available.</p>	<p>Proposed pond c.250m south of proposed A66 alignment. Pond accommodated by partial cutting and embankment.</p> <p>Geological maps indicate the area to be underlain by Glacial Till.</p>
<b>Proposed Pond 6</b>	73+800		<p>Not targeted ground investigation available. Nearest holes indicate thin topsoil overlying glacial deposits generally comprising firm slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Rockhead not encountered during ground investigation. Shallow rockhead not anticipated.</p>	<p>Pond located between the realigned A66 and the de-trunked road. Accommodated by partial cutting/ bund.</p>
<b>New Culvert S09-C07</b>	A66 Mainline	73+850	<p>Topsoil overlying glacial deposits generally comprising firm slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road invert level.</p>	<p>Proposed 2.25m x 1.5m culvert under A66 alignment in area of proposed embankment.</p> <p>Approximately 99m long and depth of fill above the culvert is expected to be approximately 7.0m.</p> <p>Proposed invert level 140.2 – 139.4mOD.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• In-situ concrete box.</li> </ul> <p>Potential for settlement associated with embankment loading. Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Culvert to be founded on firm to stiff glacial deposits.</p>



<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
<b>Earthwork 1 – Embankment</b>	A66 Mainline	73+700 to 73+960	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with low cobble and boulder content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 0.9 and 2.1m bgl.</p>	<p>New embankment to accommodate A66. Proposed road level is 148.5mOD.</p> <p>Embankment crosses former Moor Lane at 73+700.</p> <p>Side slopes 1V:3H, max embankment height of 7m.</p> <p>Cut off drain located at toe of eastbound embankment slope.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Earthwork 2 – Cutting</b>	A66 Mainline	73+960 to 74+220	<p>Topsoil overlying glacial deposits generally comprising soft becoming stiff slightly sandy slightly gravelly CLAY with low cobble and boulder content.</p> <p>Soft materials locally encountered in BH SBC030 to 1.2m bgl.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits between 0.5 and 1.4m bgl.</p>	<p>New cutting to accommodate A66. Interaction with exiting and redundant A66 across new cutting.</p> <p>Proposed road level 148 – 149mOD.</p> <p>Side slopes 1V:3H, max cutting depth of 3m.</p> <p>Cut off drain located at crest of eastbound cutting slope.</p> <p>Potential for groundwater within cutting. Consideration of counterfort face drainage required during detailed design.</p>
<b>Earthwork 3 – Embankment</b>	A66 Mainline	74+220 to 74+420	<p>Topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY with low cobble and boulder content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p> <p>Groundwater monitoring installations in the vicinity recorded water within cohesive glacial deposits between 0.5 and 1.4m bgl.</p>	<p>New embankment to accommodate A66. Interaction with exiting and redundant A66 underlying new embankment.</p> <p>Proposed road level 149 – 151.5mOD.</p> <p>Side slopes 1V:3H, max embankment height of 3.5m.</p> <p>Cut off drain located at toe of eastbound embankment slope.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Replacement of Culvert S09-C09</b>	A66 Mainline	74+350	<p>No targeted ground investigation available.</p> <p>Nearest historical hole approximately 20m west encountered thin topsoil overlying firm very sandy slightly silty CLAY.</p>	<p>Proposed 1.2mx1.5m culvert under A66 alignment in area of proposed embankment earthworks. Approximately 69m long and depth of fill above the culvert is expected to be approximately 2.5m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p>



<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
				Culvert to be founded on firm to stiff glacial deposits.
<b>Earthwork 4 – (Infilling of Existing Cutting)</b>	A66 Mainline	74+420 to 74+560	<p>Topsoil overlying glacial deposits generally comprising soft becoming stiff slightly sandy slightly gravelly CLAY with low cobble and boulder content.</p> <p>Soft to firm deposits encountered to 1m bgl.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p> <p>Groundwater monitoring installations recorded water within cohesive glacial deposits raising to 6.1m bgl.</p>	<p>Partial infilling of existing A66 cutting interaction with exiting and redundant A66 below infill.</p> <p>Proposed road level 151.5 – 153.0mOD.</p> <p>Side slopes 1V:3H, max cutting depth of 2.5m.</p>
<b>Structure 1 – New Retaining Wall</b>	74+420	74+540	<p>Topsoil overlying soft to firm cohesive slightly sandy gravelly CLAY, becoming stiff with depth. Medium cobble content within cohesive materials at depth.</p> <p>Thin band of granular materials recorded between 4.7 and 5.4m bgl.</p> <p>Bedrock not proven, anticipated to be below 139mOD (&gt;17m bgl existing crest level).</p> <p>Groundwater monitoring indicates groundwater within cohesive glacial deposits at c.6m bgl (150mOD)</p>	<p>New retaining structure required to accommodate widening of the westbound carriageway in the vicinity of Carkin Moor Scheduled Ancient Monument.</p> <p>Maximum retained height of 3.8m.</p> <p>Options considered include:</p> <ul style="list-style-type: none"> <li>• Piled walls;</li> <li>• Gravity walls;</li> <li>• Soil nailed slope.</li> </ul> <p>Presence of cobbles and boulders within the glacial deposits should be considered when assessing piled and soil nail options. Pre-augering needs be considered.</p> <p>Gravity walls are likely to encroach within the schedule monument during construction requiring liaison and approval of Historic England.</p> <p>Facing requirements for a soil nail option require careful consideration given the rural setting of the project.</p>
<b>Earthwork 5 – Embankment</b>	A66 Mainline	74+560 to 74+820	<p>Topsoil or Made Ground overlying glacial deposits. Deposits of Made Ground up to 1.6m thick recorded and comprise GRAVELS and CLAYS of varying description and thickness.</p> <p>Glacial deposits generally comprised soft and firm sandy slightly gravelly CLAY with low cobble and boulder content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p>	<p>New embankment to accommodate A66. Interaction with exiting and redundant A66 underlying new embankment.</p> <p>Proposed road level 152.5 – 155mOD.</p> <p>Side slopes 1V:3H, max embankment height of 5.5m.</p> <p>Cut off drain located at toe of eastbound embankment slope.</p> <p>Potential removal and treatment/disposal of local contamination associated with Made Ground.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
<b>Extension to Culvert S09-C11</b>	A66 Mainline	74+680	<p>No targeted ground investigation available.</p> <p>Nearest historical hole situated 20m east indicates thin topsoil overlying firm cohesive glacial deposits.</p>	<p>Extension of 1.8m x 1.5m culvert under A66 alignment. Existing culvert is formed by masonry arch culvert with the extensions formed by a reinforced concrete box.</p> <p>The total length of new extension is anticipated to be approximately 46m.</p> <p>Road levels are expected to be raised by approximately 5.2m in the location of the culvert, giving a total fill depth of 5.5m above the culvert.</p>
<b>Structure 2 – New Underpass</b>	A66 Mainline	74+820 to 74+860	<p>No targeted ground investigation available.</p> <p>Surrounding exploratory holes indicate ground conditions likely to comprise thin topsoil overlying firm glacial deposits. Rockhead anticipated to be well below the underpass base.</p>	<p>New underbridge to take the new A66 over the proposed Warrener Lane extension/diversion. The proposed bridge has a minimum clear span of 5m.</p> <p>A66 mainline on embankment at location of underpass.</p> <p>Foundation options for the bridge comprise the following substructure types:</p> <ul style="list-style-type: none"> <li>• Precast prestressed Concrete Beams integral (closed soffit) on columns with reinforced earth abutments;</li> <li>• Precast concrete box/portal frame.</li> <li>• n-situ reinforced concrete box/portal frame.</li> </ul> <p>The box/portal frame options are likely to be founded within the Glacial deposits. The concrete beam with columns/reinforced earth could be supported by shallow foundations or piles founded within the glacial deposits.</p>
<b>Earthwork 6 – Cutting (offline)</b>	Warrener Lane	74+820 to 74+860	<p>No targeted ground investigation available. Nearest historical hole situated 20m southwest indicates thin topsoil overlying firm cohesive glacial deposits.</p>	<p>Cutting to facilitate Carkin Moor farm access and Warrener Lane underpass.</p> <p>Side slopes 1V:3H.</p> <p>Cut off drains located at the crest of both cutting slopes.</p>
<b>Earthwork 7 – Embankment / Cutting</b>	Southern access road (connecting to de-trunked A66)	74+860 to 74+997	<p>Topsoil overlying glacial deposits generally comprising soft becoming stiff slightly sandy slightly gravelly CLAY with low cobble content.</p> <p>Materials shown to be soft to 2.3m bgl (150mOD) in TP SBC038 located to the south of the proposed earthworks.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p>	<p>Tie-in to existing A66 with extension and modification to existing earthworks.</p> <p>Proposed road level 155.5 – 159.2mOD.</p> <p>All side slopes are 1V:3H, cutting up to 3.5m deep on the eastbound side, and an embankment up to 4.0m westbound side.</p> <p>Cut off drain located at the crest of eastbound cutting.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>

<b>Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor</b>				
<b>New Culvert S09-C14</b>	A66 Mainline	74+900	<p>Topsoil overlying glacial deposits generally comprising soft becoming stiff slightly sandy slightly gravelly CLAY with low cobble content.</p> <p>Materials shown to be soft to 2.3m bgl (150mOD) in TP SBC038 located to the south of the proposed earthworks.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below invert level.</p>	<p>Proposed 1.2mx1.5m culvert under A66 alignment. Approximately 60m long and depth of fill above the culvert is expected to be approximately 2.5m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Culvert to be founded on firm to stiff glacial deposits.</p>
<b>SECTION 9.6 (Ch. 74+000 to Ch. 74+966) Moor Lane to end of scheme (Offline)</b>				
<b>Existing Culvert S09-C08</b>	De-trunked A66	73+900	No targeted ground investigation available. Nearest hole situated 50m north indicates thin topsoil overlying firm cohesive glacial deposits and granular deposits.	Existing culvert to be retained under Mainsgill bridge.
<b>Earthwork 1 - Embankment</b>	Southern access road (de-trunked A66)	73+900 to 74+000	No targeted ground investigation available. Nearest holes indicate thin topsoil overlying firm cohesive glacial deposits. Bedrock encountered at 38m bgl in hole 50m northeast.	Low height embankment to accommodate de-trunked A66. Requirement for site-won or imported Class 1 or Class 2 fill material.
<b>Earthworks 2 – Cutting</b>	Southern access road (connecting to de-trunked A66)	74+400 to 74+180	<p>Topsoil overlying glacial deposits generally comprising soft to firm slightly sandy slightly gravelly CLAY with low to medium cobble content.</p> <p>Possible obstruction/boulder encountered at 145.6mOD (3.8m bgl) in TP SBC042.</p>	<p>New cutting to accommodate access road to the south of A66. Earthworks ties into de-trunked A66.</p> <p>Side slopes 1V:3H, with a maximum cutting depth of 1m.</p> <p>Potential for shallow obstructions/boulder below formation level.</p>
<b>Earthwork 3 – Embankment</b>	Southern access road (connecting to de-trunked A66)	74+180 to 74+450	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with low cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p>	<p>New embankment to accommodate access road to the south of A66.</p> <p>Side slopes 1V:3H, with a maximum embankment height of 2m.</p> <p>Cut off drain located at toe of eastbound cutting slopes between Ch 74+320 and 74+450.</p> <p>Requirement for site-won or imported Class 1 or Class 2 fill material.</p>
<b>Proposed Pond 7 and Pond 8</b>	South of A66 Mainline	74+250 to 74+350	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below formation level.</p>	Proposed ponds between access road and A66. Ponds are accommodated by partial cutting/perimeter bunds.

<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
<b>Earthwork 4 – Cutting</b>	Southern access road (connecting to de-trunked A66)	74+450 to 74+580	<p>Topsoil overlying glacial deposits generally comprising soft slightly sandy slightly gravelly CLAY with low to high cobble content.</p> <p>Materials described as soft to firm at 0.9n bgl.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be well below road formation level.</p>	<p>New cutting to accommodate access road to the south of A66.</p> <p>Side slopes 1V:3H, with a maximum cutting depth of 3m.</p> <p>Cut off drain located at crest of eastbound cutting slope.</p>
<b>New Culvert S09-C10</b>	Southern access road (connecting to de-trunked A66)	74+300	<p>No targeted ground investigation available. Nearest holes indicate thin topsoil overlying firm cohesive glacial deposits.</p>	<p>Proposed 1.2m1.5m r culvert under de-trunked A66 alignment in an area of proposed embankments. Approximately 27m long and depth of fill above the culvert is expected to be approximately 3.0m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Culvert to be founded on firm to stiff glacial deposits.</p>
<b>New Culvert S09-C16/17</b>	Southern access road (connecting to de-trunked A66)	74+300/400	<p>No targeted ground investigation available. Nearest holes indicate thin topsoil overlying firm cohesive glacial deposits.</p>	<p>Proposed 2.25m x 1.5m culvert under bridleway/footpath. Approximately 9m long and depth of fill above the culvert is expected to be approximately 1.0m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• In-situ concrete box;</li> <li>• Short Span Bridge.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Culvert to be founded on firm to stiff glacial deposits.</p>
<b>New Culvert S09-C12</b>	Southern access road (connecting to de-trunked A66)	74+600	<p>No targeted ground investigation available. Nearest holes indicate thin topsoil overlying firm cohesive glacial deposits.</p>	<p>A 10m long and 0.45m diameter culvert beneath pond access road.</p> <p>Nominal earthworks planned in the vicinity of the culvert.</p>
<b>Earthwork 5– Embankment</b>	Southern access road (connecting to de-trunked A66)	74+600 to 74+880	<p>Topsoil overlying glacial deposits generally comprising firm to stiff slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below road formation level.</p>	<p>New embankment to accommodate access road to south of A66.</p> <p>All side slopes are 1V:3H, with a maximum embankment height of 3m.</p> <p>Cut off drain located at toe of westbound embankment slope between Ch. 74+600 to 74+700.</p>

<b>Package C</b> <b>Engineering Assessment</b> <b>Scheme 9: Stephen Bank to Carkin Moor</b>				
				Requirement for site-won or imported Class 1 or Class 2 fill material.
<b>New Culvert S09-C13</b>	Southern access road (connecting to de-trunked A66)	74+680	<p>Topsoil overlying glacial deposits generally comprising thin sands and gravel underlain by firm to stiff slightly sandy slightly gravelly CLAY with low cobble content.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below invert level.</p>	<p>Proposed 1.2mx1.5m culvert under access road to south of A66 in an area of proposed embankments. Approximately 44m long and depth of fill above the culvert is expected to be approximately 4.5m.</p> <p>Options for the culverts comprise:</p> <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> <p>Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material.</p> <p>Culvert to be founded on firm to stiff glacial deposits.</p>
<b>Pond 9</b>	South of A66 Mainline	74+650	<p>No targeted ground investigation available.</p> <p>Nearby ground investigation 20m south of the pond encountered topsoil overlying glacial SAND and GRAVEL to 141.8mOD, and firm to stiff very gravelly CLAY below.</p>	<p>Proposed pond between access road and A66.</p> <p>Potential for granular materials within pond, potentially leading to excavation instability and increased permeability of pond.</p>
<b>Pond 10</b>	South of A66 Mainline	74+750	<p>Thin Made Ground overlying glacial deposits generally comprising soft to stiff slightly sandy slightly gravelly CLAY with medium cobble content.</p> <p>Nearby hole to the west encountered topsoil overlying glacial SAND and GRAVEL to 141.8mOD, and firm to stiff very gravelly CLAY below, therefore variable superficial materials can be expected.</p> <p>Rockhead was not proven by the ground investigation and is anticipated to be below formation level.</p> <p>Infiltration testing undertaken in this pond was cancelled as neither the 75% nor 25% effective depth level was reached, indicating relatively low permeability.</p>	<p>Proposed pond between access road and A66 accommodated in cutting.</p> <p>Potential for granular materials towards the western end of the pond, potentially leading to excavation instability and increased permeability of pond.</p>
<b>New Culvert S09-C18</b>	Southern access road (connecting to de-trunked A66)	74+900	<p>No targeted ground investigation available.</p> <p>Anticipated ground conditions comprise topsoil over cohesive glacial deposits.</p>	<p>A 12m long and 0.45m diameter culvert beneath access road.</p> <p>Nominal earthworks planned in the vicinity of the culvert.</p>
<b>New Culvert S09-C15</b>	Southern access road (connecting to	74+960	<p>Topsoil or thin Made Ground overlying glacial deposits generally comprising soft slightly</p>	<p>Proposed 1.2mx1.5m culvert under de-trunked A66 alignment. Approximately 20m long and depth of fill above the culvert is</p>

Package C Engineering Assessment Scheme 9: Stephen Bank to Carkin Moor				
	de-trunked A66)		sandy slightly gravelly CLAY with medium cobble content. Soft materials shown to base of nearby exploratory hole to 3m bgl. Rockhead was not proven by the ground investigation and is anticipated to be below invert level.	expected to be approximately 1.0m. Options for the culverts comprise: <ul style="list-style-type: none"> <li>• Precast concrete box;</li> <li>• Precast concrete pipes;</li> <li>• Plastic pipes.</li> </ul> Where soft deposits are encountered during excavation they will require over-excavation and replacement with suitable granular material. Culvert to be founded on firm to stiff glacial deposits.

### 10.3 Scheme 11: A1(M) Scotch Corner

Table 10.2: Scheme 11 – A1(M) Scotch Corner – Engineering Assessment

Package C Engineering Assessment Scheme 11 A1 Scotch Corner				
Feature	Location	Chainage (m)	Stratigraphy	Proposal
Embankment 1	Middleton Tyas Lane approach to A1 roundabout	0 to 100	Made ground proven to >6.65m bgl. Made ground comprises soft black slightly gravelly clay/ topsoil. Lower made ground deposits comprise reworked glacial deposits	Lane widening accommodated by low height embankment (<1m) on westbound carriageway. Existing signage, cycleway/footway and lighting to be repositioned. Requirement for site-won or imported Class 1 or Class 2 fill material.

### 10.4 Material Classification

- 10.4.1 Material properties are presented in detail within chapters 4 and 6 of this report. The appraisal presented here discusses the types of materials with respect to overall proportionate quantities, probable percentages acceptable for general earthworks, pavement subgrades and slope stability. Considerations for potential ground improvement are presented within sub-heading 10.6.
- 10.4.2 Topsoil within scheme 9 overlies the majority of the off route proposals, this is typically 200mm to 400mm thick, with an average of 320mm thick. In some areas of cultivated fields, glacial deposits beneath topsoil were given a description consistent with topsoil or cultivated material to a depth up to 750mm.
- 10.4.3 No topsoil was encountered within Scheme 11.
- 10.4.4 Glacial deposits predominantly comprise cohesive materials, with localised areas of higher proportions of granular materials encountered between 72+700 and 73+100 in the area of proposed off route embankment works. The granular deposits appear as sheets and lenses of varying lateral and vertical extents within the clay matrix.
- 10.4.5 Based upon total exploratory depths during the 2021 and historical ground investigations, an estimate of the proportion of materials has been established. The results indicate

approximately 5% of glacial deposits comprise granular materials, with 95% comprising cohesive materials.

10.4.6 Based on current proposals no excavation into rock is anticipated.

10.4.7 The relationship between natural moisture content and plastic limit is a determinant of re-usability of excavated fine soil in its natural or ‘as dug’ condition. The SHW uses this relationship to classify suitability as fill and generally allows a range of moisture contents around the plastic limit. The upper limit of moisture content for Class 2B (dry cohesive fill) is set at PL-4%. The majority of samples of cohesive glacial deposits are shown to be unsuitable as Class 2B. Further assessment is required to determine the proportion of materials that would classify as Class 2A/2C (wet cohesive fill/stony fill), as in their current state they are generally too wet. The potential for improving the engineering properties of excavated clays using lime/cement binders is discussed under sub-heading 10.6.

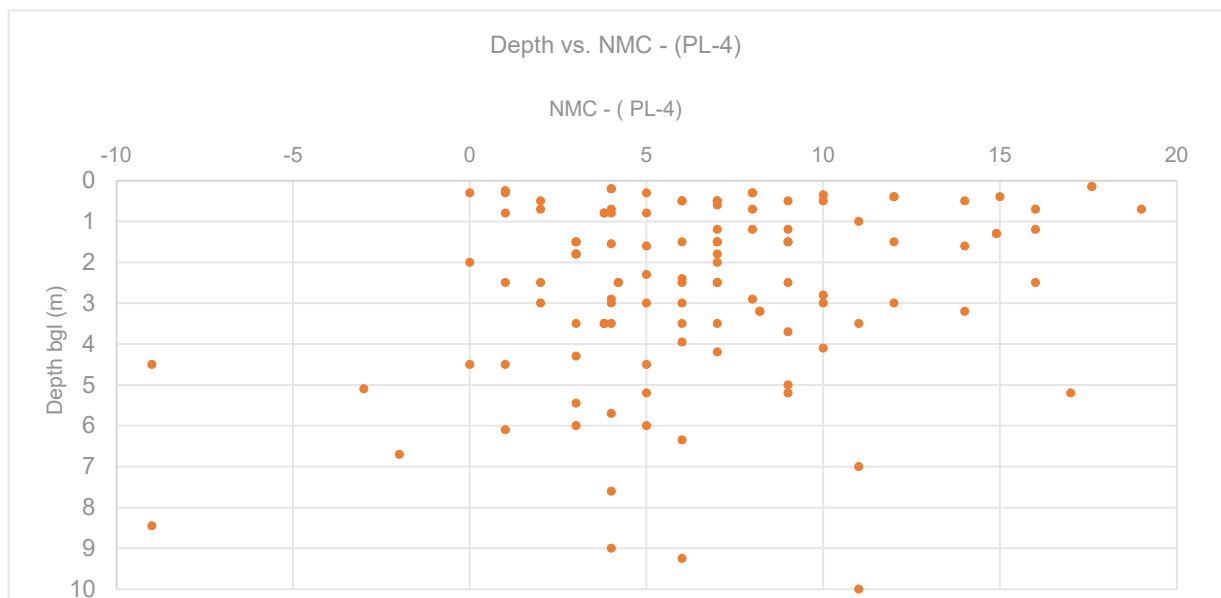


Figure 4 Scheme 9 -Relationship between Plasticity Index and Moisture Content with Depth

## 10.5 Subgrade Preliminary Assessment

10.5.1 The road pavement must reduce the stresses on the subgrade due to traffic loads to a level that ensures that there is only very limited deformation at the end of the design life. Both stiffness and strength of the subgrade play a part in determining its performance. The road is expected to require a Pavement Foundation Class of 3 as defined in CD225 Design for New Pavement Foundations [64]. This requires a foundation modulus of 200MPa and minimum Subgrade Surface Modulus (SSM) of 30MPa. Failure to establish the minimum value of SSM will require either excavation and replacement up to 1.0m or subgrade improvement. Although a minimum undrained shear strength of 40kPa is often cited as the lowest permissible value compatible with the trafficking and handling of cohesive materials a value of 50kPa is often applied to ensure variabilities during site works are safely accommodated.

10.5.2 A SSM of 30MPa is equivalent to a CBR of approximately 2.5% based on equation 2.4 of CD225 [64]. For scheme 9 the median recorded laboratory CBR was 1.75%, and the median recorded in-situ tests 2.65%. Long term CBRs of 4% and 5% are, however, derived based on PI for average construction methods with high water table. Undrained shear strengths less than 50kPa were reported on selected triaxial tests on samples from the top 6m. Hand shear vane tests and SPTs generally indicated a firm material at surface.

10.5.3 It may be possible to improve subgrade parameters by compaction (heavy proof rolling) following topsoil strip and excavation to a sub-formation level providing the excess moisture



can be extracted (bled to surface) and removed (drained) during compaction. Alternatively the material may require improvement with lime/ cement or be classified as unacceptable.

- 10.5.4 For scheme 11 a CBR of 4%o 5% is considered appropriate based on proposals comprising localised widening of an existing road on embankment.
- 10.5.5 Further CBR testing should be undertaken during the next phase of ground investigation to further investigate requirements for subgrade improvement.
- 10.5.6 Although the moisture condition value (MCV) is not a definitive primary parameter, it is frequently used to manage acceptability on site and if MCV values are to be employed to assess acceptability further work is required to develop the moisture content/mcv relationship in association with MDD/OMC to establish limits equating to 95% compaction.
- 10.5.7 No presence of Class U1B or U2 materials has been indicated. The presence of coal tar products in the existing carriageway needs to be investigated during the detailed ground investigation to define appropriate measures or additional health and safety controls required.

## 10.6 Potential for Ground Improvement

- 10.6.1 MCV tests undertaken at a range of moisture contents show an average MCV value of 7.4%. The optimum moisture content (OMC) of 10% derived from compaction tests corresponds to an MCV of 14%. It is noted that there is significant variability in the MCV test results at any given moisture content, and a limited number of MCV tests were undertaken at moisture content below 12% as the material was generally found to be too wet of optimum. As a result, it is anticipated that the material will be too wet to place immediately after excavation and consideration should be given to treating the soil with lime and/or other binders to improve its properties and allow placement to take place.
- 10.6.2 The improvement of engineering properties of clay fills through the addition of a small percentage of lime binder has been a popular ground improvement technique in the UK since the 1970's. However, it is well documented that lime treatment of sulphate bearing soils has potential to generate problems for construction due to adverse soil chemistry.
- 10.6.3 The withdrawn HA 74/07 [60] recommends the limits for acceptability of sulphide and sulphate content is determined on a site by site basis, by testing appropriate samples and relating the swelling measured on soaked CBR tests to the sulphate and sulphide content. It also recommends that the upper limit value of Total Potential Sulphate (TPS) should not exceed 1.0% and warns that there is evidence that, for some materials, values as low as 0.25% may cause swelling. These recommendations are still considered valid, and have been taken forward on the Britpave publications.
- 10.6.4 The Britpave publication on lime stabilisation [61] advises caution is exercised where TPS is greater than 1.0% as this has the potential to cause adverse effects such as swelling where stabilisation is required; however, it states that for treatment rather than stabilisation, the acceptable TPS may be higher.
- 10.6.5 Testing for organic matter in tandem with testing for sulphates and sulphides is also recommended as this may interfere with the normal reaction between the lime and the soil. An upper limit of 2% organic content for acceptability of the untreated material is a useful guide, although there is some evidence to suggest that it is the type rather than the amount of organic matter which affects stabilisation.
- 10.6.6 The principal material on Package C that may be subject to ground treatment is the Cohesive Glacial Deposits. A review of sulphate testing across scheme 9 has identified a proportion of these materials are likely to record TPS values in excess of 1%, although shallower samples (<3m bgl) tend to record values lower than 1%. Figure 5 shows the TPS against chainage for scheme 9. Figure 6 shows TPS values increasing with depth.
- 10.6.7 Further ground investigation and laboratory testing is recommended to assess the variation of TPS against depth and chainage of excavated materials.



10.6.8 Consideration should also be given to undertaking an early compaction trial to demonstrate the acceptability of the excavated materials at higher than optimum moisture content.

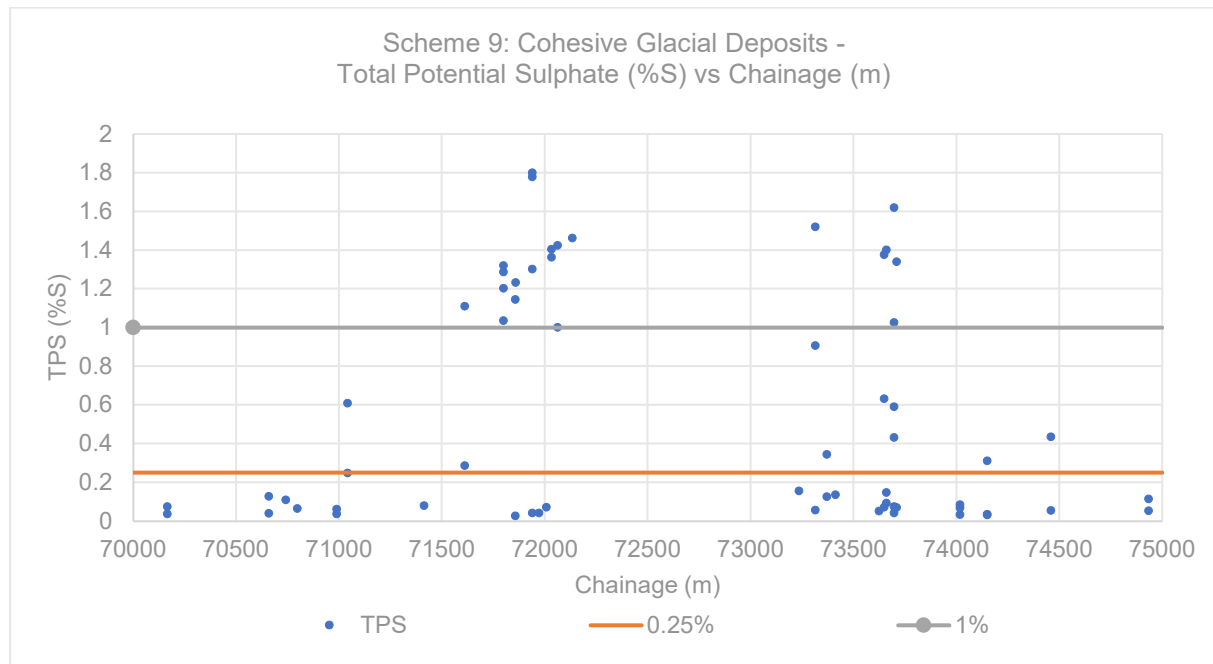


Figure 5 Cohesive Glacial Deposits total potential sulphates vs chainage for Scheme 9

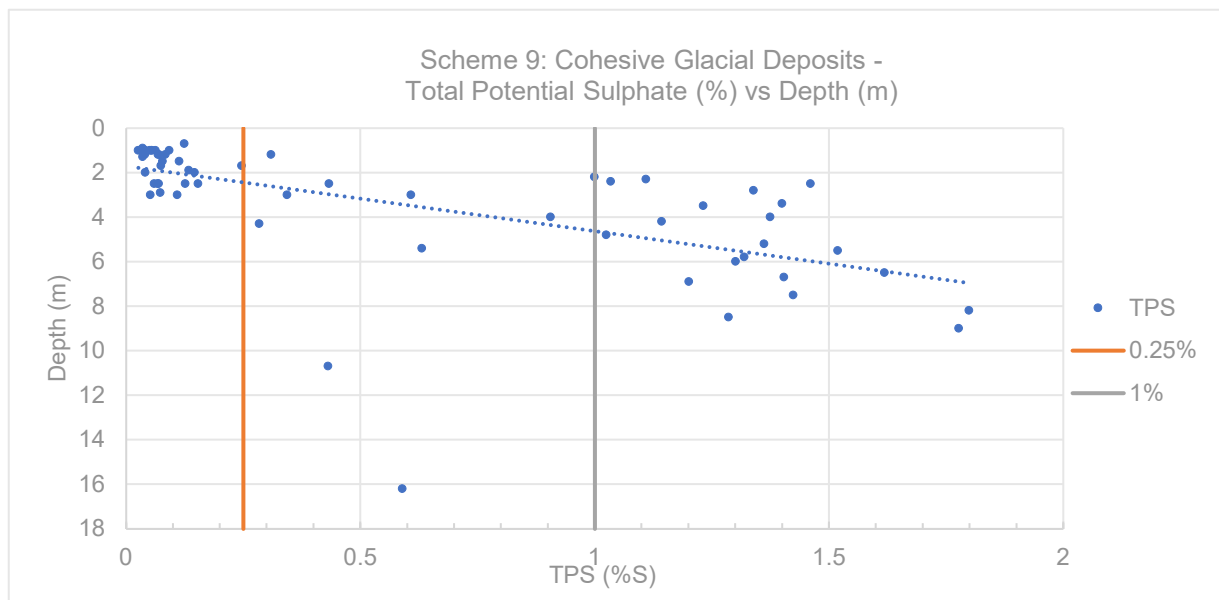


Figure 6 Cohesive Glacial Deposits total potential sulphate vs depth for Scheme 9

## 11 References

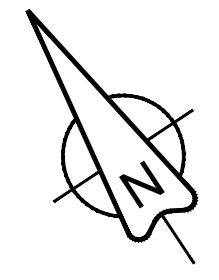
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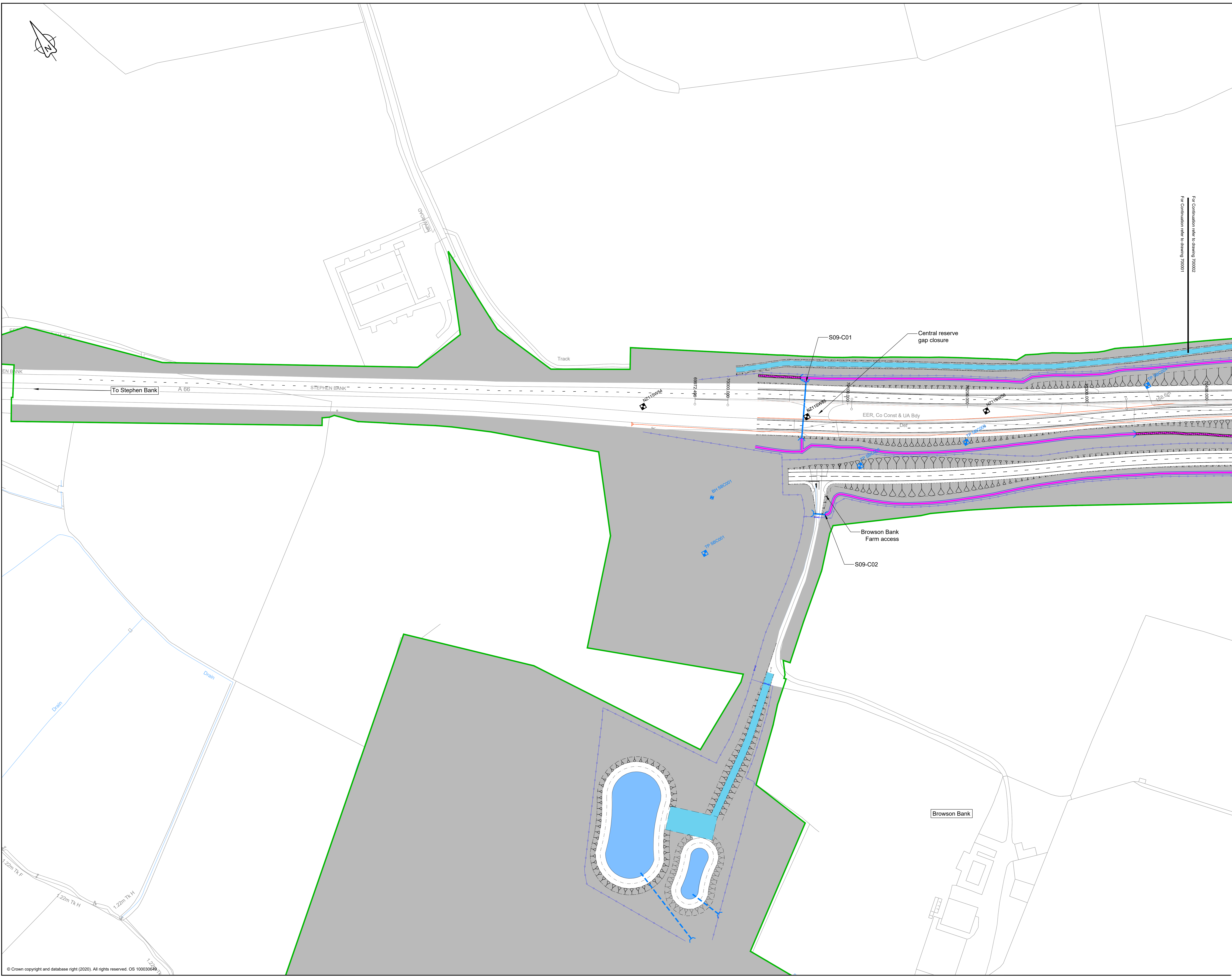
# A Drawings





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  - Existing watercourse
  - Culvert
  - Cut-off drain
  - Filter drain
  - Headwall
  - Pipe to Outfall
  - Pond
  - Proposed boundary treatment
  - Proposed gate
  - Traffic sign
  - Proposed vehicle restraint system
  - Earthworks
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  - 2021 Windowless Samples
- BH - Borehole  
 TP - Trial Pit  
 WS - Window Sample  
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For Continuation refer to drawing 200002  
 For Continuation refer to drawing 200001

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Revision	Created	Checked	Reviewed	Approved	Authorised
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Project Name  
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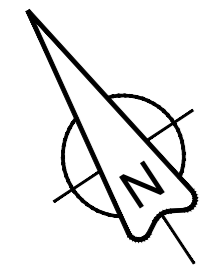
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 As Built Exploratory Hole Plan  
 Sheet 1 of 7**

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**S09 -DR-CE-100001**  
 Location | Type | Role | Number

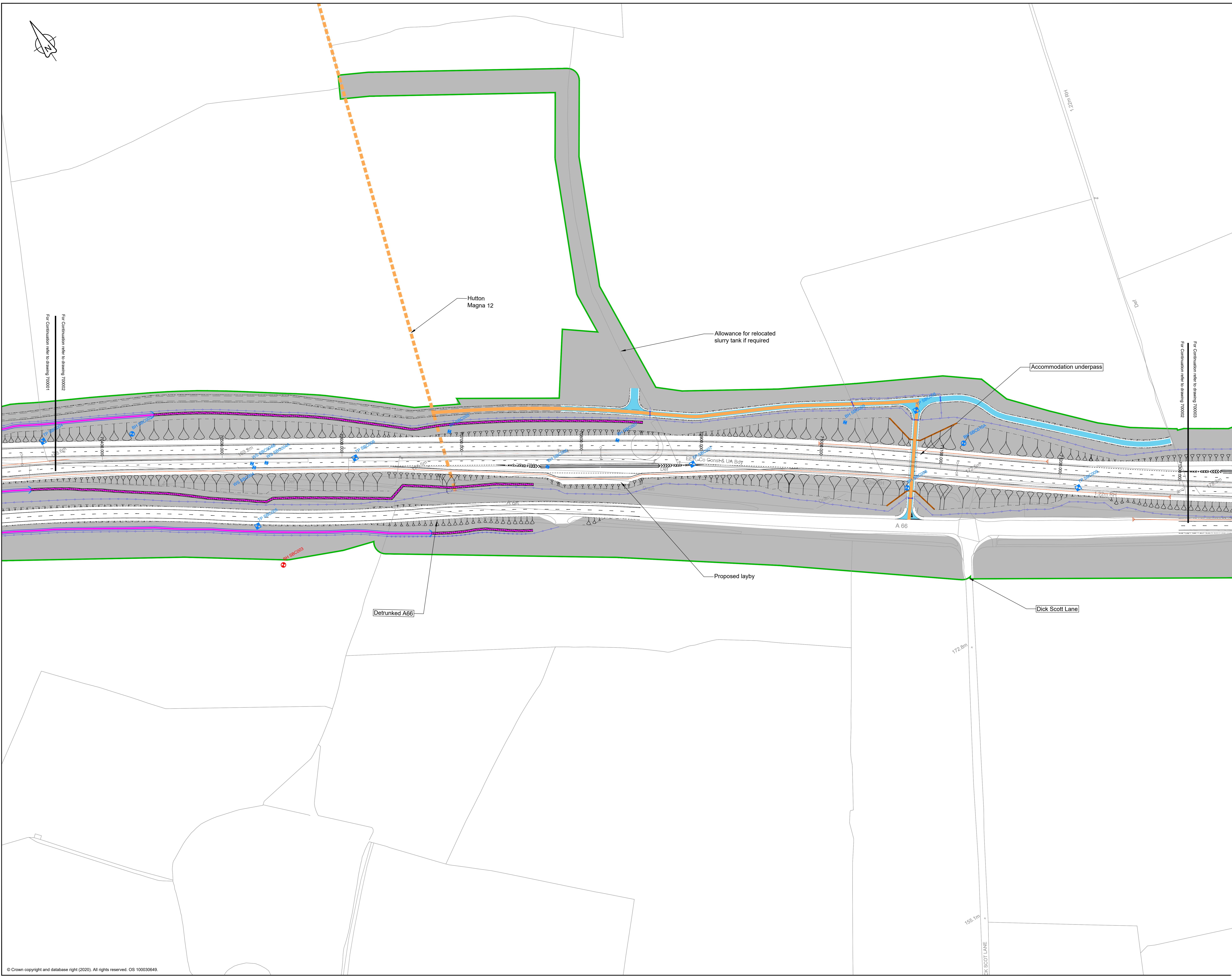
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For Confirmation refer to drawing 200003  
 For Confirmation refer to drawing 200001

For Confirmation refer to drawing 200003  
 For Confirmation refer to drawing 200002

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P01	JBEL 07/03/22	MSAL 08/03/22	MSAL 08/03/22	MSAL 08/03/22	---

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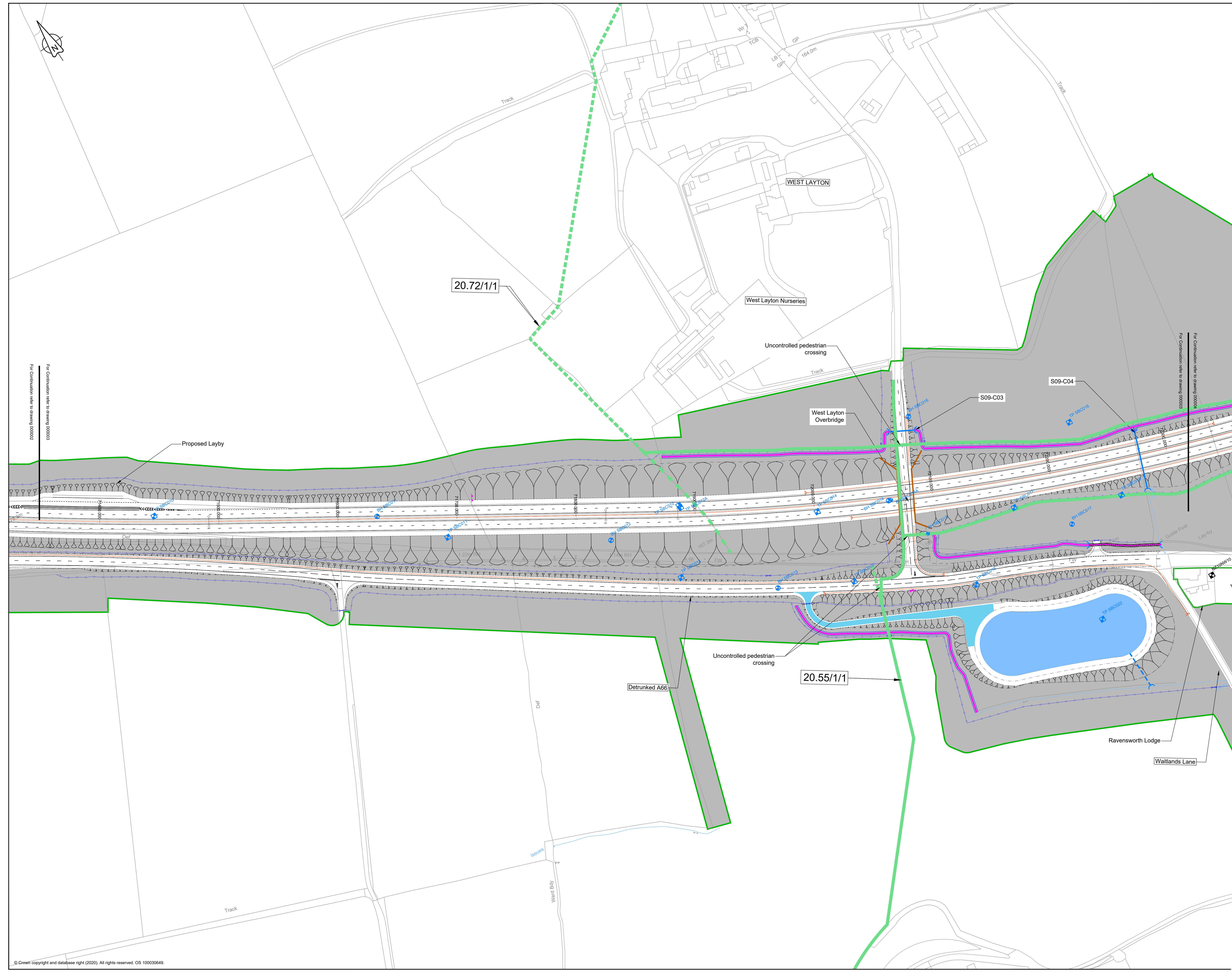
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**Stephen Bank to Carkin Moor  
 As Built Exploratory Hole Plan  
 Sheet 2 of 7**

Project Ref. No.	Stage	Scale : 1:1000	@ A0
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT - S09	---	---	---
Location	Type	Role	Number
S09	-DR-CE	100002	---

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01





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For Continuation refer to drawing 000002	For Continuation refer to drawing 000003	For Continuation refer to drawing 000004	For Continuation refer to drawing 000005
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Revision	Created	Checked	Reviewed	Approved	Authorised
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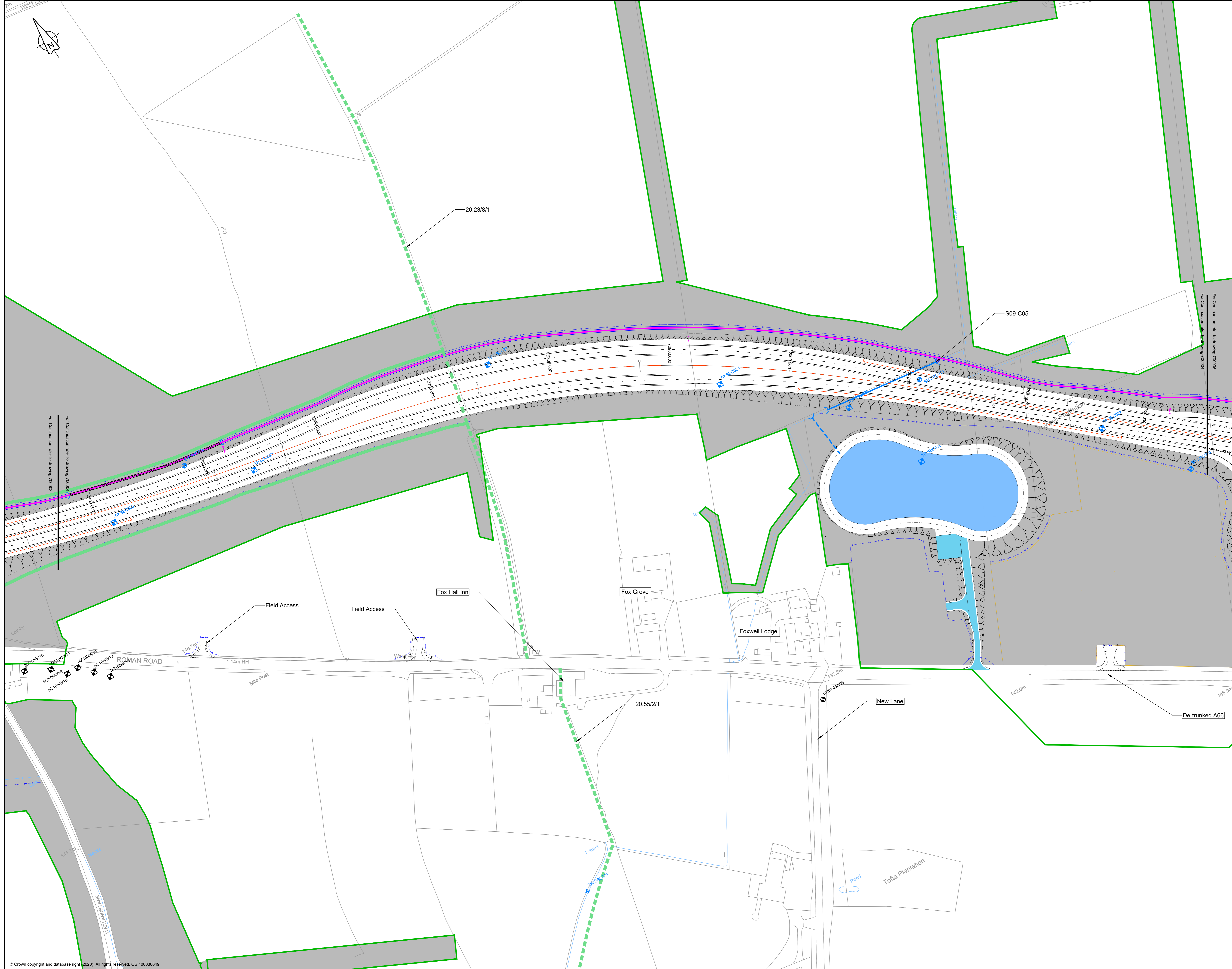
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**Stephen Bank to Carkin Moor  
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 Sheet 3 of 7**

Project Ref. No.	Stage	Scale : 1:1000	@ A0
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT - S09	---	---	---
Location	Type	Role	Number
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Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01





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P01	JBEL	MSAL	MSAL	MSAL	MSAL
	07/03/22	08/03/22	08/03/22	08/03/22	08/03/22

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**highways**  
 england

Project Name  
**A66 Northern Trans-Pennine**

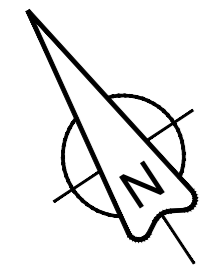
Drawing Title  
**Stephen Bank to Carkin Moor  
 As Built Exploratory Hole Plan  
 Sheet 4 of 7**

Project Ref. No.	Stage	Scale : 1:1000	@ A0
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT - S09			
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01





- NOTES**
- All levels are in metres above Ordnance Datum.
  - All dimensions are in metres unless otherwise stated.
  - This drawing is to be read in conjunction with all other relevant drawings and the accompanying technical note HE565627-AMY-HGT-S09-TM-CH-000004.
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  - Traffic sign faces and locations are indicative only. Traffic signs will be developed at detailed design.
  - Fencing and gate locations subject to agreement with landowners.
  - Public Rights of Way (footpaths and bridleways) diversions are indicative only and subject to agreement with local authority and landowners.

- KEY**
- Green line boundary
  - Existing layout
  - Proposed layout
  - Highway structure
  - Existing watercourse
  - Culvert
  - Cut-off drain
  - Filter drain
  - Headwall
  - Pipe to Outfall
  - Pond
  - Proposed boundary treatment
  - Proposed gate
  - Traffic sign
  - Proposed vehicle restraint system
  - Earthworks
  - Proposed Bridleway
  - Abandoned Bridleway
  - Existing Bridleway
  - Proposed Footway/Footpath
  - Abandoned Footway/Footpath
  - Existing Footway/Footpath
  - Compound/Storage Area
  - Farm Track/Access
  - Environmental Mitigation Area
  - Amenity Area
  - 2021 Cable Percussive Holes
  - Historical Cable Percussive Holes
  - Planned Cable Percussive Holes Not Undertaken
  - 2021 Trial Pits
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  - 2021 Windowless Samples
- BH - Borehole  
 TP - Trial Pit  
 WS - Window Sample  
 HDP - Hand Dug Pit  
 SW - Surface Water Sample

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P01	JREL	MSAL	MSAL	MSAL	MSAL
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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 england

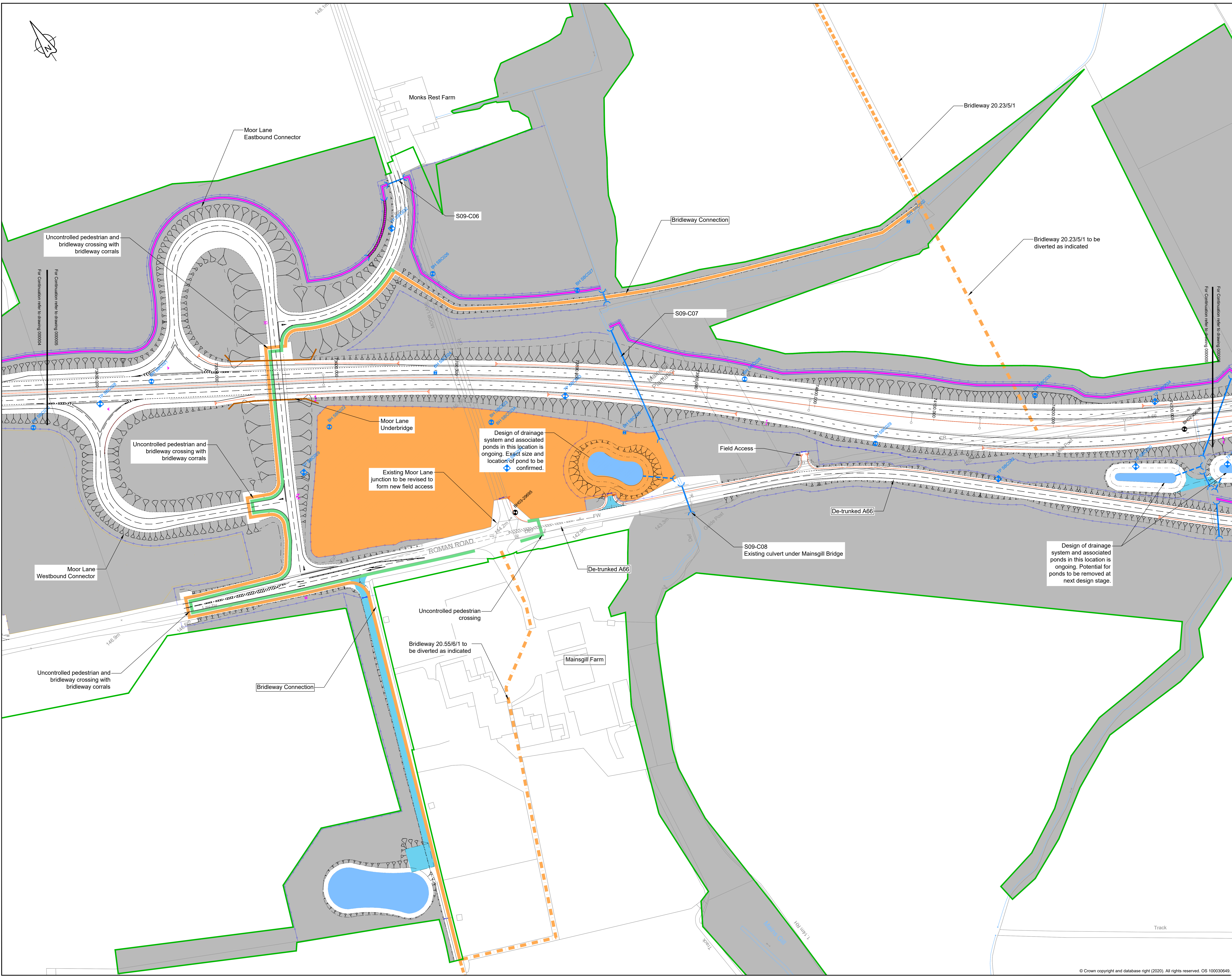
Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Stephen Bank to Carkin Moor  
 As Built Exploratory Hole Plan  
 Sheet 5 of 7**

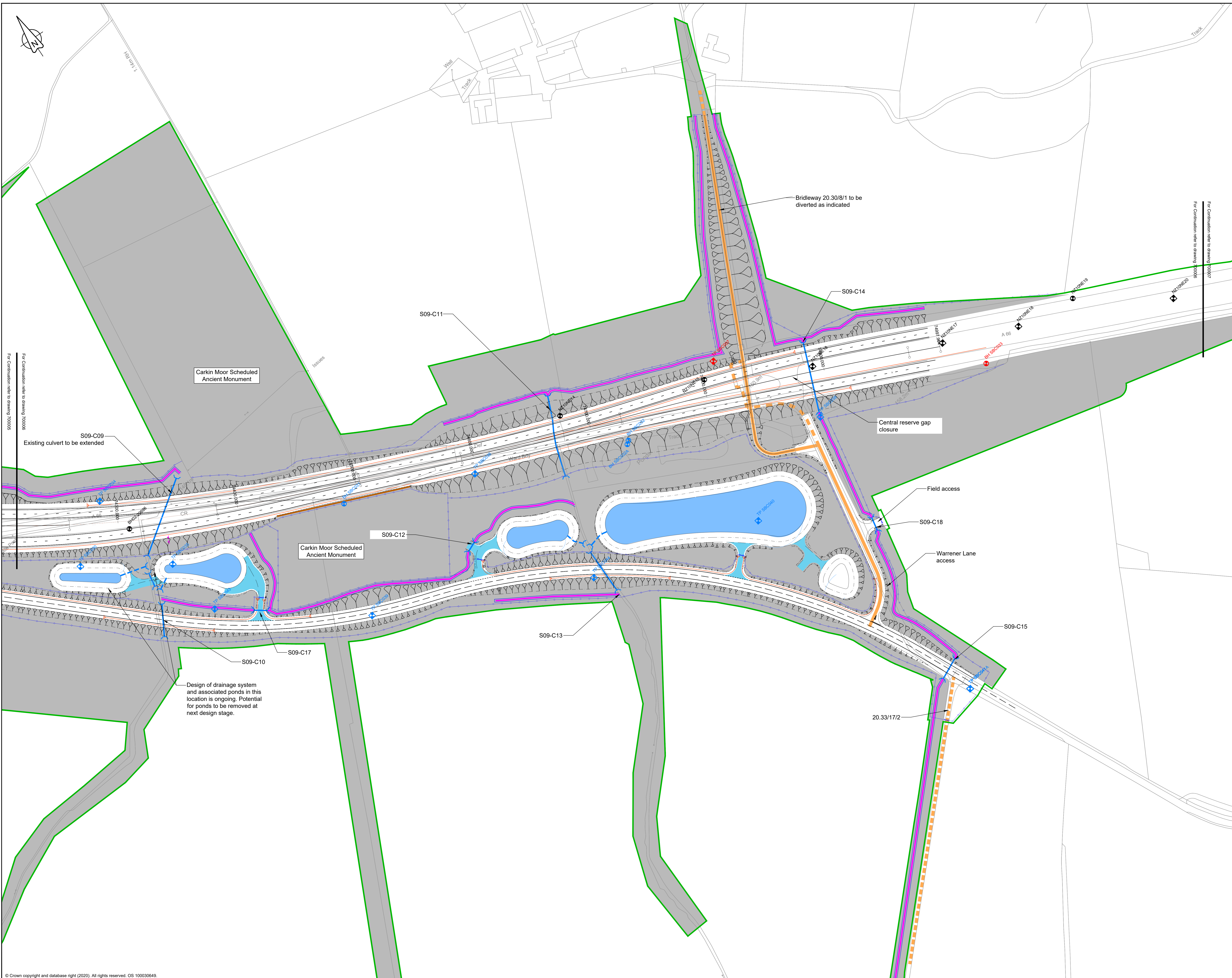
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Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT - S09			
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01







- NOTES**
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  - Pipe to Outfall
  - Pond
  - Proposed boundary treatment
  - Proposed gate
  - Traffic sign
  - Proposed vehicle restraint system
  - Earthworks
  - Proposed Bridleway
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  - Existing Bridleway
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  - BH - Borehole
  - TP - Trial Pit
  - WS - Window Sample
  - HDP - Hand Dug Pit
  - SW - Surface Water Sample

For Continuation refer to drawing 702006  
For Continuation refer to drawing 702006

For Continuation refer to drawing 702007  
For Continuation refer to drawing 702008

Carkin Moor Scheduled Ancient Monument

Carkin Moor Scheduled Ancient Monument

Design of drainage system and associated ponds in this location is ongoing. Potential for ponds to be removed at next design stage.

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P01	JBEL	MSAL	MSAL	MSAL	MSAL
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Stephen Bank to Carkin Moor  
 As Built Exploratory Hole Plan  
 Sheet 6 of 7**

Project Ref. No. | Stage | Scale : 1:1000 @ A0  
 --- | --- | Dimensions : M

Drawing Number  
 Project | Originator | Volume |  
**HE565627 - AMY - HGT -**  
**S09 -DR-CE - 100006**  
 Location | Type | Role | Number

Suitability | Suitability Description | Revision  
**S4** | **Fit for Stage Approval** | **P01**





For Continuation refer to drawing 7000007  
For Continuation refer to drawing 7000008

- ### NOTES
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  - Cut-off drain
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  - Pipe to Outfall
  - Pond
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  - Proposed gate
  - Traffic sign
  - Proposed vehicle restraint system
  - Earthworks
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  - 2021 Windowless Samples

BH - Borehole  
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HDP - Hand Dug Pit  
SW - Surface Water Sample

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P01	JBEL	MSAL	MSAL	MSAL	MSAL
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Stephen Bank to Carkin Moor  
As Built Exploratory Hole Plan  
Sheet 7 of 7**

Project Ref. No. | Stage | Scale : 1:1000 @ A0  
--- | --- | Dimensions : M

Drawing Number  
Project | Originator | Volume |  
**HE565627 - AMY - HGT -**  
**S09 -DR-CE-100007**  
Location | Type | Role | Number

Suitability | Suitability Description | Revision  
S4 | Fit for Stage Approval | P01

## A.1 Scheme 9





**NOTES**

1. ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
2. THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.
3. LAYOUT SHOWN IS DESIGN FREEZE E.

**KEY**

- Plan**
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
  - ROAD NAMES
  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
  - 2021 CABLE PERCUSSIVE HOLES
  - HISTORICAL CABLE PERCUSSIVE HOLES
  - PLANNED CABLE PERCUSSIVE HOLES NOT UNDERTAKEN
  - 2021 TRIAL PITS
  - HISTORICAL TRIAL PITS
  - PLANNED TRIAL PITS NOT UNDERTAKEN
  - 2021 WINDOWLESS SAMPLES
- BH - BOREHOLE  
 TP - TRIAL PIT  
 WS - WINDOW SAMPLE  
 HDP - HAND DUG PIT  
 SW - SURFACE WATER SAMPLE



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P01	JBEL	MSAL	MSAL	MSAL	---
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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 10 Furnival Street  
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**A66 NTP** Integrated Project Team

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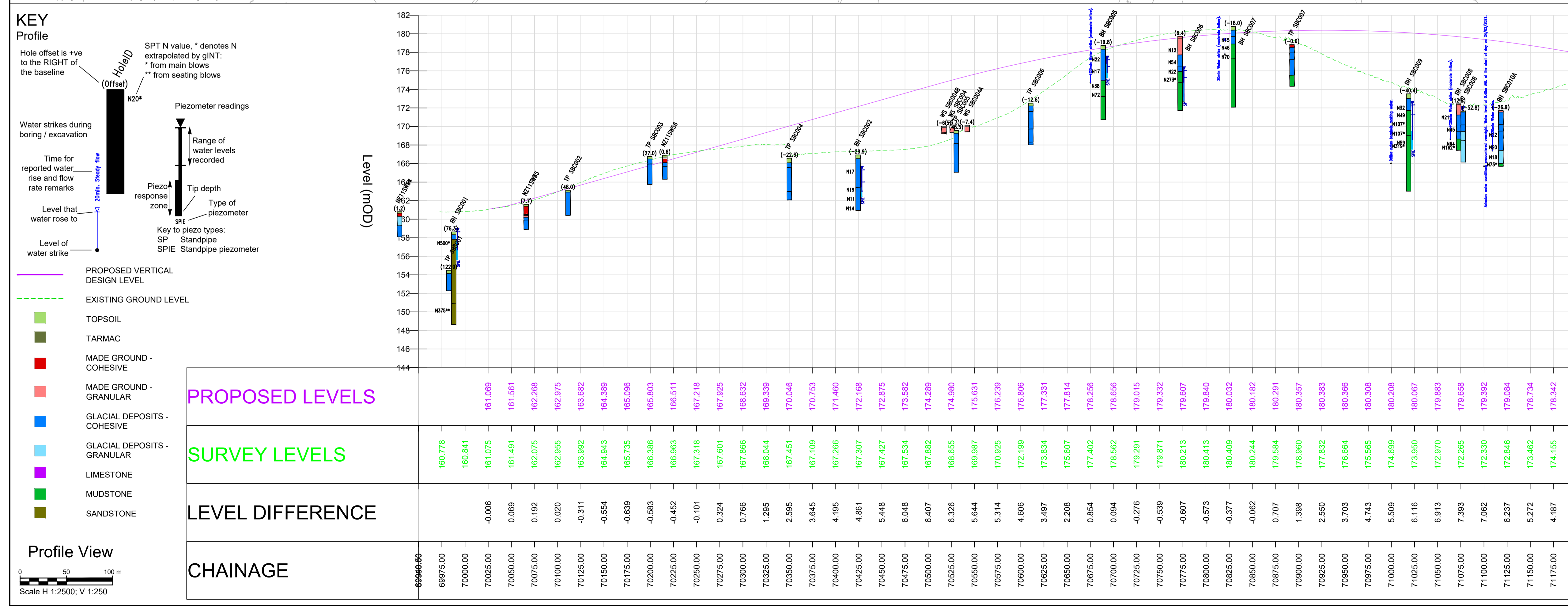
Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Stephen Bank to Carkin Moor  
 Geological Long Section  
 Sheet 1 of 4**

Project Ref. No.	Stage	Scale	@ A1
---	PCF3	As Shown	
		Dimensions	M

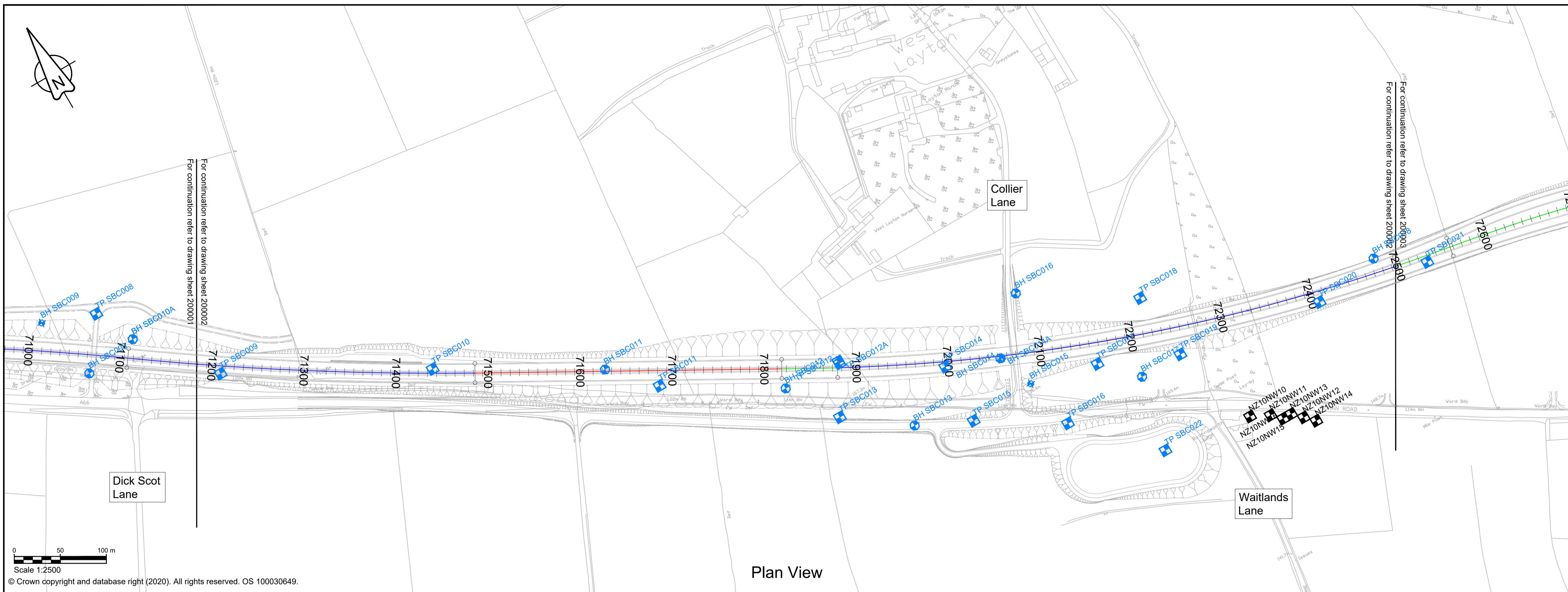
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**HE565627 - AMY - HGT -**  
 S09 -DR-CE - 200001  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01



**Profile View**  
 Scale H 1:2500; V 1:250





**NOTES**

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- LAYOUT SHOWN IS DESIGN FREEZE E.

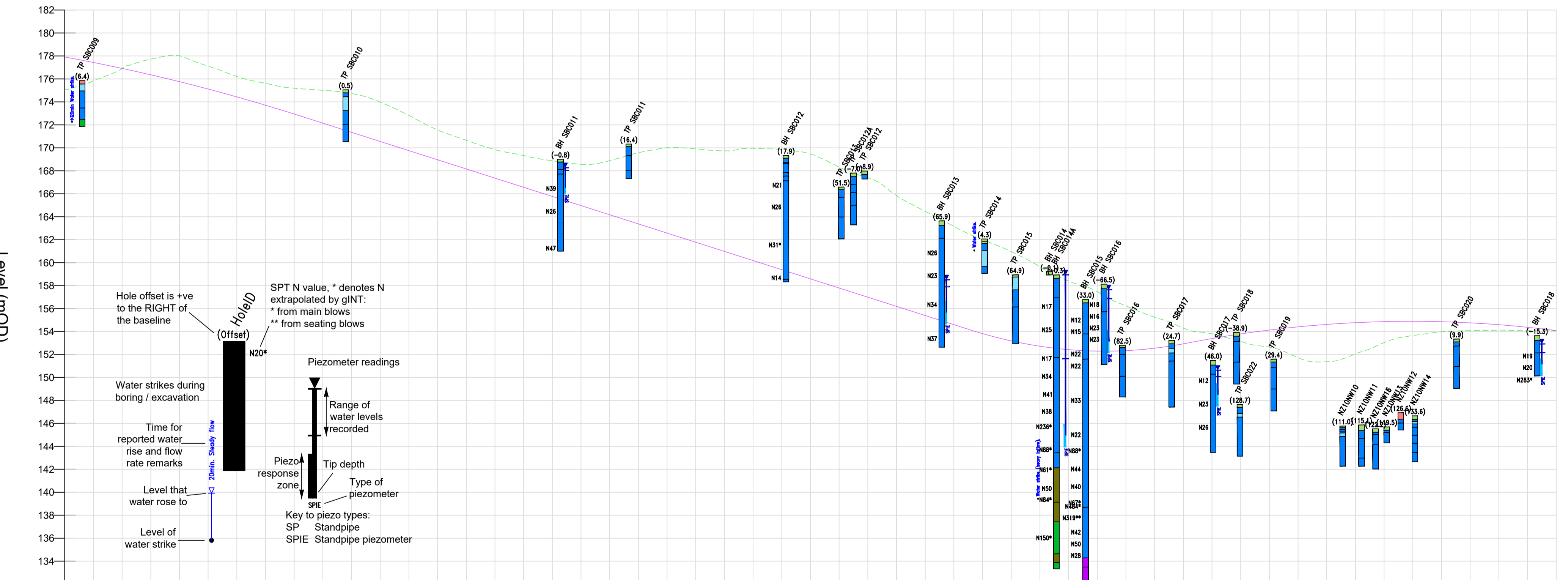
**KEY**

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  - PLANNED CABLE PERCUSSIVE HOLES NOT UNDERTAKEN
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  - 2021 WINDOWLESS SAMPLES
- BH - BOREHOLE  
 TP - TRIAL PIT  
 WSW - WINDOW SAMPLE  
 HDP - HAND DUG PIT  
 SW - SURFACE WATER SAMPLE

**SCHEME KEY PLAN**



- KEY**
- Profile**
- PROPOSED VERTICAL DESIGN LEVEL
  - EXISTING GROUND LEVEL
  - TOPSOIL
  - TARMAC
  - MADE GROUND - COHESIVE
  - MADE GROUND - GRANULAR
  - GLACIAL DEPOSITS - COHESIVE
  - GLACIAL DEPOSITS - GRANULAR
  - LIMESTONE
  - MUDSTONE
  - SANDSTONE



Profile View	PROPOSED LEVELS	SURVEY LEVELS	LEVEL DIFFERENCE	CHAINAGE
	177.999	175.915	2.894	71000.00
	177.434	175.832	1.602	71225.00
	176.918	176.901	0.017	71250.00
	176.360	177.723	-1.364	71275.00
	175.760	178.014	-2.254	71300.00
	175.118	177.115	-1.997	71325.00
	174.435	176.209	-1.774	71350.00
	173.710	175.616	-1.906	71375.00
	172.944	175.169	-2.245	71400.00
	172.147	175.010	-2.863	71425.00
	171.349	174.735	-3.385	71450.00
	170.552	173.985	-3.433	71475.00
	169.754	172.825	-3.071	71500.00
	168.956	171.558	-2.601	71525.00
	168.158	170.655	-2.497	71550.00
	167.361	169.840	-2.479	71575.00
	166.563	169.326	-2.763	71600.00
	165.765	168.876	-3.111	71625.00
	164.967	168.559	-3.591	71650.00
	164.170	168.879	-4.709	71675.00
	163.372	169.568	-6.196	71700.00
	162.574	170.006	-7.432	71725.00
	161.777	169.906	-8.130	71750.00
	160.979	169.737	-8.758	71775.00
	160.181	169.961	-9.780	71800.00
	159.383	169.850	-10.467	71825.00
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	152.992	160.950	-7.767	72025.00
	152.194	159.638	-6.919	72050.00
	151.396	158.405	-5.982	72075.00
	150.598	157.477	-5.181	72100.00
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	148.992	155.249	-2.701	72150.00
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	147.396	153.797	-0.408	72200.00
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	145.799	152.645	1.486	72250.00
	144.992	151.722	2.686	72275.00
	144.194	151.368	3.253	72300.00
	143.396	152.052	2.722	72325.00
	142.598	153.040	1.823	72350.00
	141.799	153.649	1.240	72375.00
	140.992	153.978	0.875	72400.00
	140.194	154.088	0.668	72425.00
	139.396	154.120	0.474	72450.00
	138.598	154.080	0.292	72475.00
	137.799	154.952	0.033	72500.00

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P01	JBEL	MSAL	MSAL	MSAL	---
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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Project Name  
**A66 Northern Trans-Pennine**

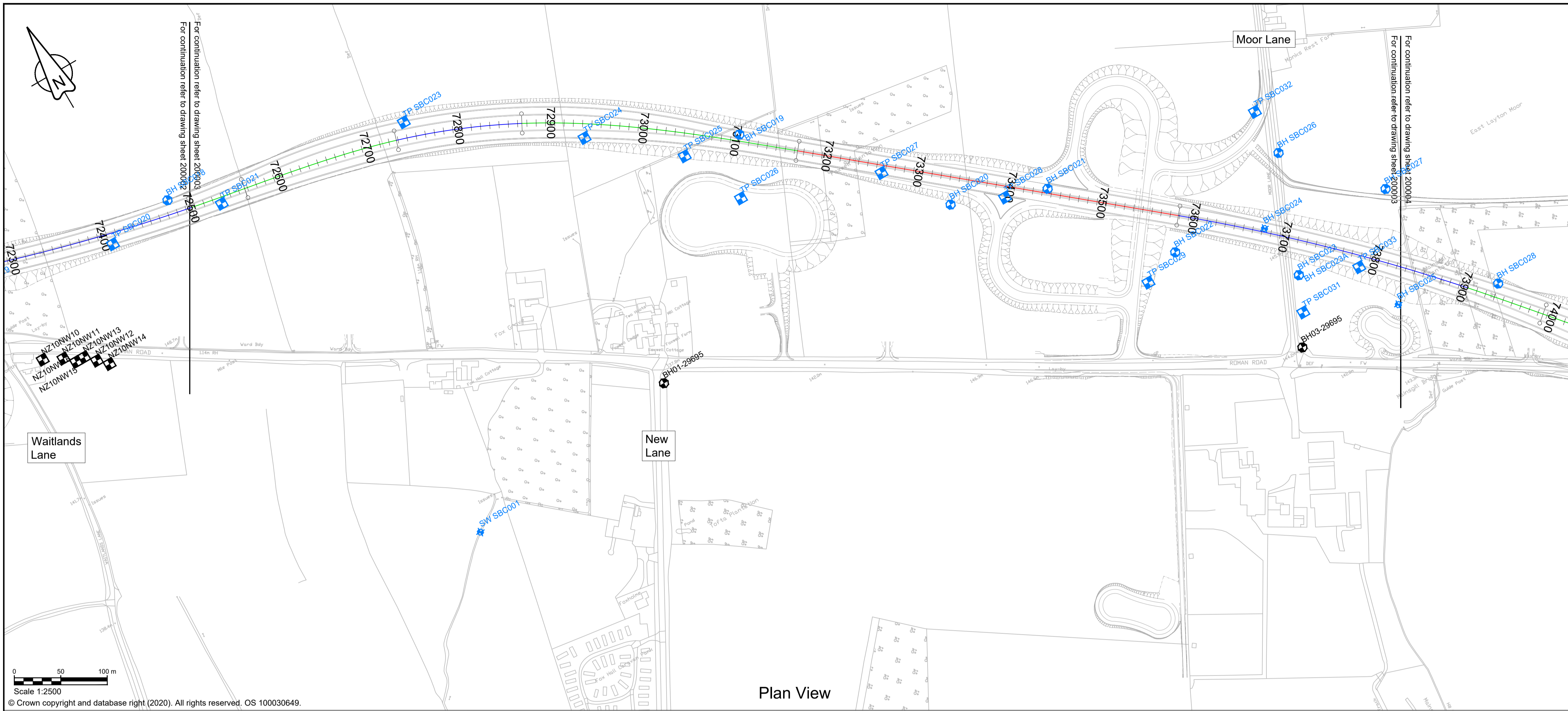
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**Stephen Bank to Carkin Moor  
 Geological Long Section  
 Sheet 2 of 4**

Project Ref. No.	Stage	Scale	@ A1
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		Dimensions	M

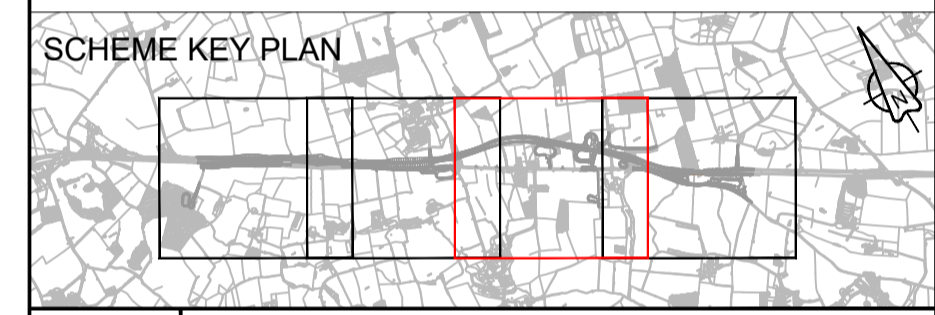
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 Project | Originator | Volume |  
**HE565627 - AMY - HGT -**  
 S09 -DR-CE-200002  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01





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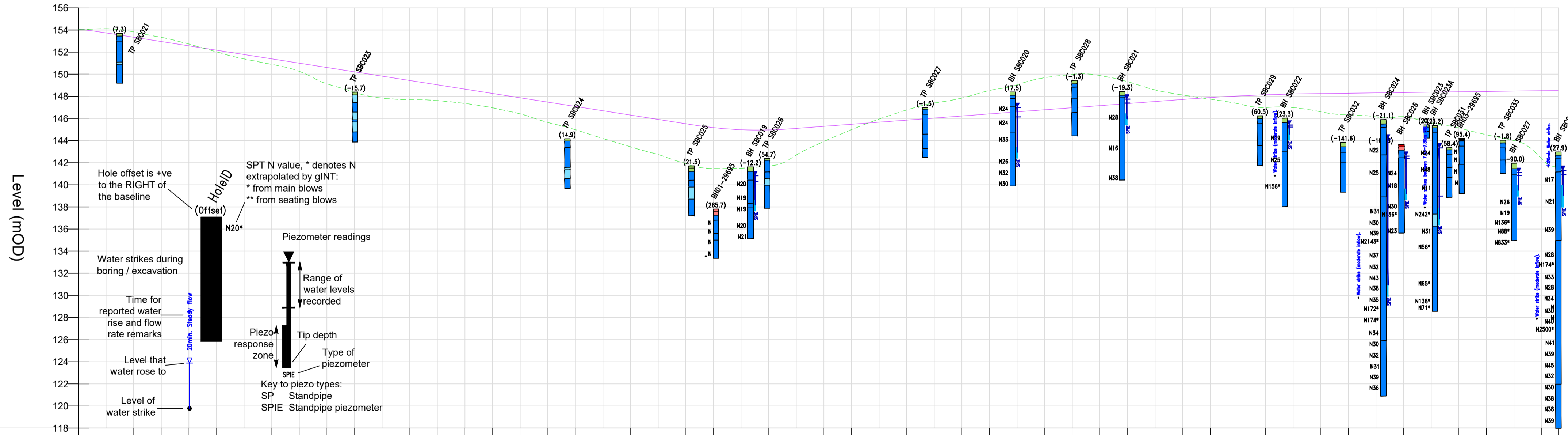
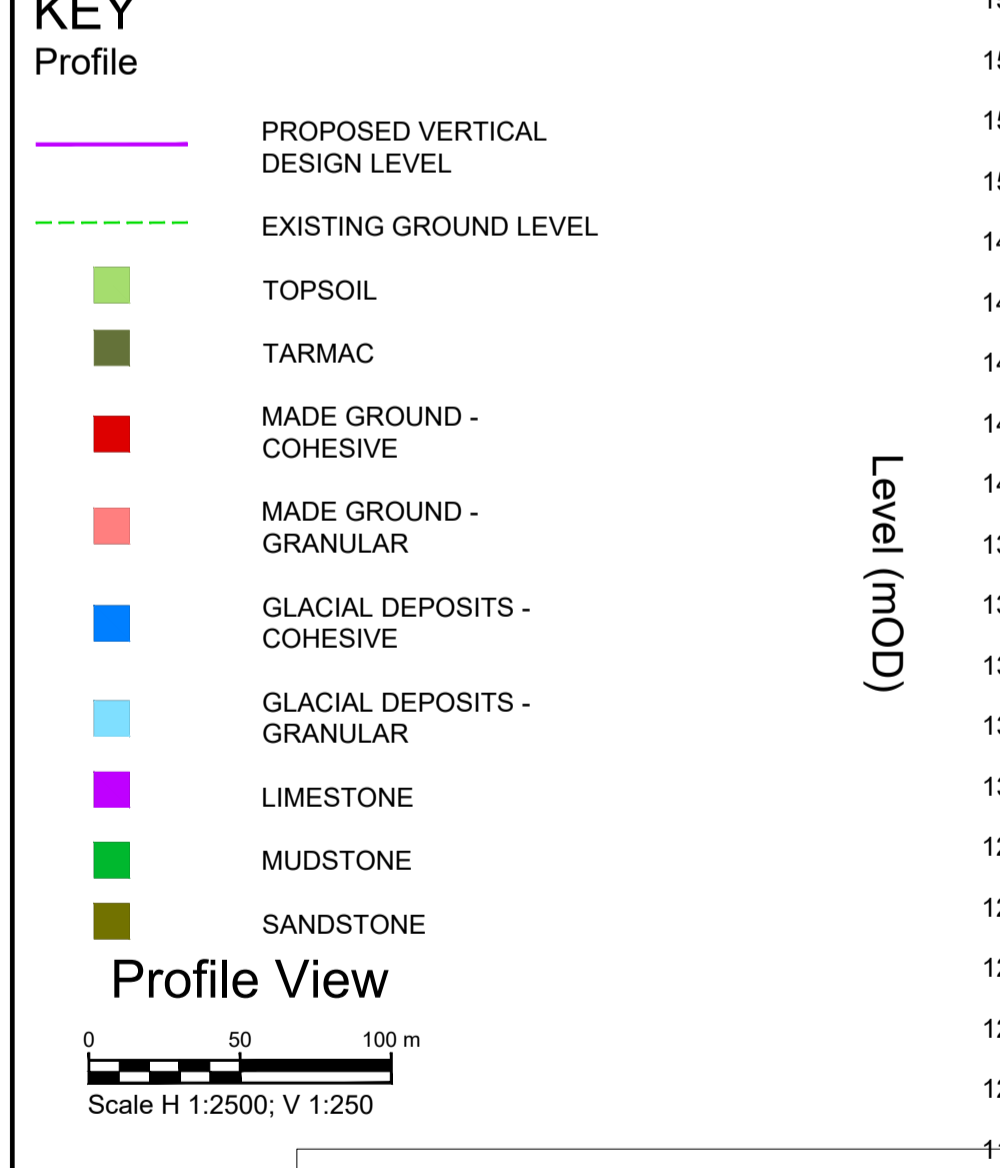
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Created	Checked	Reviewed	Approved	Authorised
dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Revision	Created	Checked	Reviewed	Approved	Authorised
dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy
P01	07/03/22	08/03/22	08/03/22	08/03/22	

Scale 1:2500  
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Plan View



PROPOSED LEVELS	154.695	153.737	153.347	152.956	152.565	152.174	151.783	151.392	151.000	150.609	150.218	149.827	149.436	149.045	148.654	148.263	147.871	147.480	147.089	146.698	146.307	145.916	145.525	145.134	144.743	144.352	143.961	143.570	143.179	142.788	142.397	142.006	141.615	141.224	140.833	140.442	140.051	139.660	139.269	138.878	138.487	138.096	137.705	137.314	136.923	136.532	136.141	135.750	135.359	134.968	134.577	134.186	133.795	133.404	133.013	132.622	132.231	131.840	131.449	131.058	130.667	130.276	129.885	129.494	129.103	128.712	128.321	127.930	127.539	127.148	126.757	126.366	125.975	125.584	125.193	124.802	124.411	124.020	123.629	123.238	122.847	122.456	122.065	121.674	121.283	120.892	120.501	120.110	119.719	119.328	118.937	118.546	118.155	117.764	117.373	116.982	116.591	116.200	115.809	115.418	115.027	114.636	114.245	113.854	113.463	113.072	112.681	112.290	111.899	111.508	111.117	110.726	110.335	109.944	109.553	109.162	108.771	108.380	107.989	107.598	107.207	106.816	106.425	106.034	105.643	105.252	104.861	104.470	104.079	103.688	103.297	102.906	102.515	102.124	101.733	101.342	100.951	100.560	100.169	99.778	99.387	98.996	98.605	98.214	97.823	97.432	97.041	96.650	96.259	95.868	95.477	95.086	94.695	94.304	93.913	93.522	93.131	92.740	92.349	91.958	91.567	91.176	90.785	90.394	90.003	89.612	89.221	88.830	88.439	88.048	87.657	87.266	86.875	86.484	86.093	85.702	85.311	84.920	84.529	84.138	83.747	83.356	82.965	82.574	82.183	81.792	81.401	81.010	80.619	80.228	79.837	79.446	79.055	78.664	78.273	77.882	77.491	77.100	76.709	76.318	75.927	75.536	75.145	74.754	74.363	73.972	73.581	73.190	72.799	72.408	72.017	71.626	71.235	70.844	70.453	70.062	69.671	69.280	68.889	68.498	68.107	67.716	67.325	66.934	66.543	66.152	65.761	65.370	64.979	64.588	64.197	63.806	63.415	63.024	62.633	62.242	61.851	61.460	61.069	60.678	60.287	59.896	59.505	59.114	58.723	58.332	57.941	57.550	57.159	56.768	56.377	55.986	55.595	55.204	54.813	54.422	54.031	53.640	53.249	52.858	52.467	52.076	51.685	51.294	50.903	50.512	50.121	49.730	49.339	48.948	48.557	48.166	47.775	47.384	46.993	46.602	46.211	45.820	45.429	45.038	44.647	44.256	43.865	43.474	43.083	42.692	42.301	41.910	41.519	41.128	40.737	40.346	39.955	39.564	39.173	38.782	38.391	37.900	37.509	37.118	36.727	36.336	35.945	35.554	35.163	34.772	34.381	33.990	33.599	33.208	32.817	32.426	32.035	31.644	31.253	30.862	30.471	30.080	29.689	29.298	28.907	28.516	28.125	27.734	27.343	26.952	26.561	26.170	25.779	25.388	24.997	24.606	24.215	23.824	23.433	23.042	22.651	22.260	21.869	21.478	21.087	20.696	20.305	19.914	19.523	19.132	18.741	18.350	17.959	17.568	17.177	16.786	16.395	16.004	15.613	15.222	14.831	14.440	14.049	13.658	13.267	12.876	12.485	12.094	11.703	11.312	10.921	10.530	10.139	9.748	9.357	8.966	8.575	8.184	7.793	7.402	7.011	6.620	6.229	5.838	5.447	5.056	4.665	4.274	3.883	3.492	3.101	2.710	2.319	1.928	1.537	1.146	0.755	0.364	0.000
SURVEY LEVELS	154.695	154.116	153.829	153.336	152.730	152.024	151.388	150.893	150.259	149.431	148.360	147.844	147.698	147.617	147.355	146.964	146.417	145.644	144.983	144.187	143.436	142.736	141.912	141.476	141.505	141.700	142.696	143.922	144.986	145.946	146.766	147.400	147.847	148.534	149.043	149.692	149.984	149.885	149.335	148.584	147.620	146.485	145.125	143.599	141.841	140.804	140.425	140.327	140.316	140.349	140.601	141.148	141.531	141.407	141.358	141.698	141.698																																																																																																																																																																																																																																																																																																																																																		
LEVEL DIFFERENCE	-0.693	-0.379	-0.482	-0.380	-0.166	0.150	0.394	0.499	0.741	1.479	1.858	1.993	1.738	1.428	1.299	1.299	1.455	1.837	2.106	2.511	2.871	3.180	3.613	3.698	3.479	3.262	2.407	1.368	0.491	-0.283	-0.915	-1.362	-1.622	-2.122	-2.444	-2.906	-3.011	-2.726	-1.989	-1.050	-0.405	0.146	0.697	1.151	1.228	1.647	1.957	2.175	2.182	2.781	3.266	3.916	4.472	6.153	6.834																																																																																																																																																																																																																																																																																																																																																				
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Project Name  
**A66 Northern Trans-Pennine**

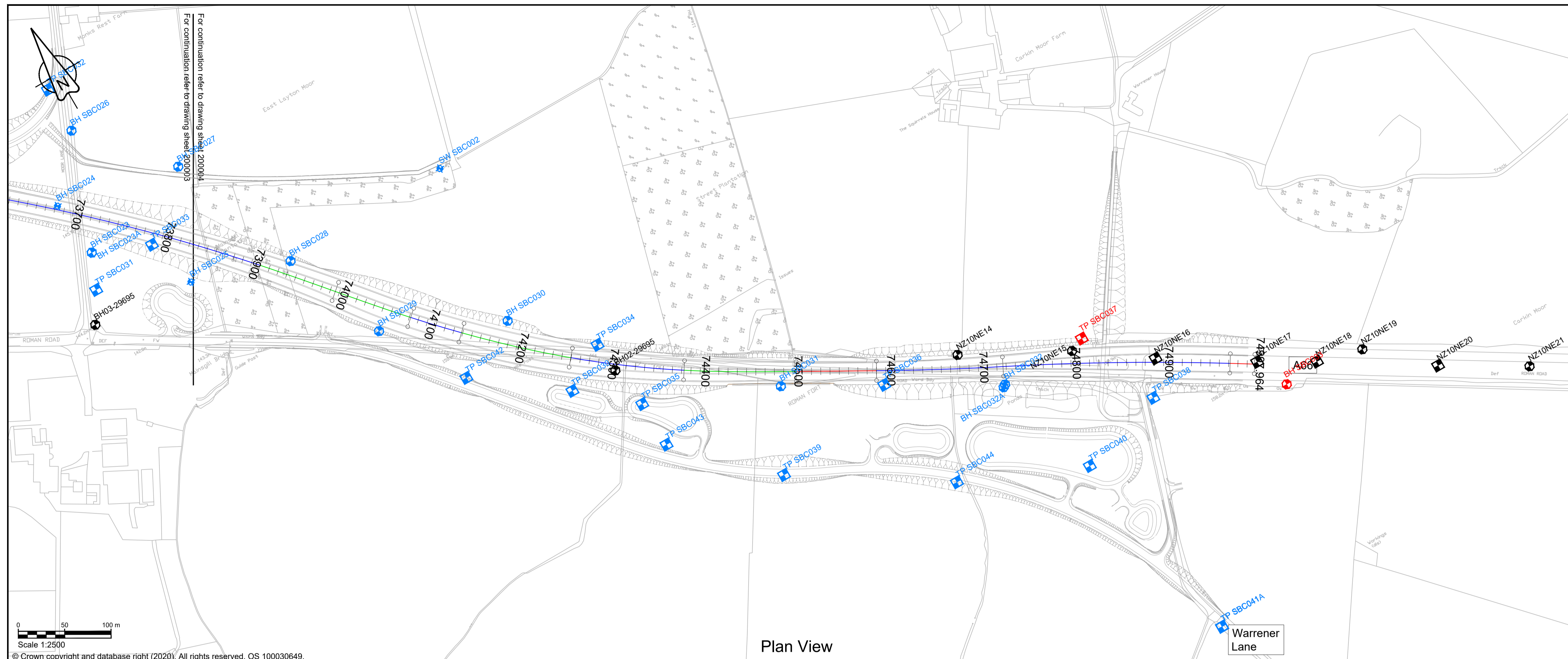
Drawing Title  
**Stephen Bank to Carkin Moor  
Geological Long Section  
Sheet 3 of 4**

Project Ref. No.	Stage	Scale	@
---	PCF3	As Shown	A1
		Dimensions:	M

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT - S09			
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01





**NOTES**

- ALL DIMENSIONS ARE IN METRES ABOVE DATUM UNLESS NOTED OTHERWISE.
- THE DESIGN SHOWN ON THESE ENGINEERING SECTION DRAWINGS IS ILLUSTRATIVE AND WILL BE SUBJECT TO DETAILED DESIGN DEVELOPMENT.
- LAYOUT SHOWN IS DESIGN FREEZE E.

**KEY**

- Plan
- THE SCHEME (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
  - ROAD NAMES
  - CHAINAGE (MEASURED DISTANCE ALONG THE SCHEME LENGTH)
  - 2021 CABLE PERCUSSIVE HOLES
  - HISTORICAL CABLE PERCUSSIVE HOLES
  - PLANNED CABLE PERCUSSIVE HOLES NOT UNDERTAKEN
  - 2021 TRIAL PITS
  - HISTORICAL TRIAL PITS
  - PLANNED TRIAL PITS NOT UNDERTAKEN
  - 2021 WINDOWLESS SAMPLES
- BH - BOREHOLE  
 TP - TRIAL PIT  
 WS - WINDOW SAMPLE  
 HDP - HAND DUG PIT  
 SW - SURFACE WATER SAMPLE



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**KEY**

**Profile**

Hole offset is +ve to the RIGHT of the baseline

SPT N value, \* denotes N extrapolated by gINT:  
 \* from main blows  
 \*\* from seating blows

Water strikes during boring / excavation

Time for reported water rise and flow rate remarks

Level that water rose to

Level of water strike

Piezometer readings

Range of water levels recorded

Piezo response zone

Tip depth

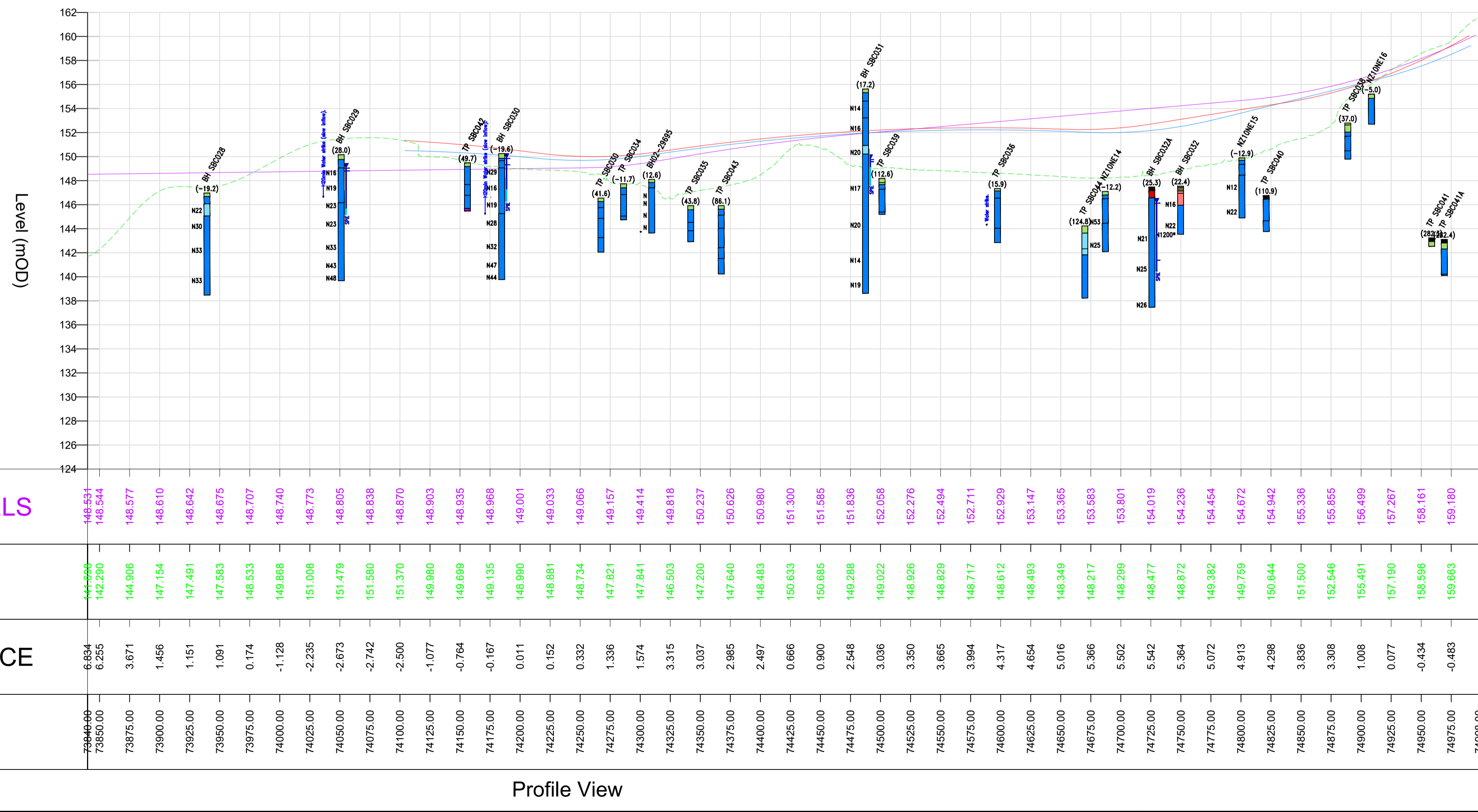
Type of piezometer

Key to piezo types:  
 SP Standpipe  
 SPIE Standpipe piezometer

- PROPOSED VERTICAL DESIGN LEVEL
- PROPOSED VERTICAL DESIGN LEVEL (EASTBOUND)
- PROPOSED VERTICAL DESIGN LEVEL (WESTBOUND)
- EXISTING GROUND LEVEL
- TOPSOIL
- TARMAC
- MADE GROUND - COHESIVE
- MADE GROUND - GRANULAR
- GLACIAL DEPOSITS - COHESIVE
- GLACIAL DEPOSITS - GRANULAR
- LIMESTONE
- MUDSTONE
- SANDSTONE

**Profile View**

Scale H 1:2500; V 1:250



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P01	JBEL	MSAL	MSAL	MSAL	---
	07/03/22	08/03/22	08/03/22	08/03/22	---
Revision	Revision details				
	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

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**highways** england

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Stephen Bank to Carkin Moor  
 Geological Long Section  
 Sheet 4 of 4**

Project Ref. No.	Stage	Scale	@ A1
---	PCF3	As Shown	
		Dimensions	M

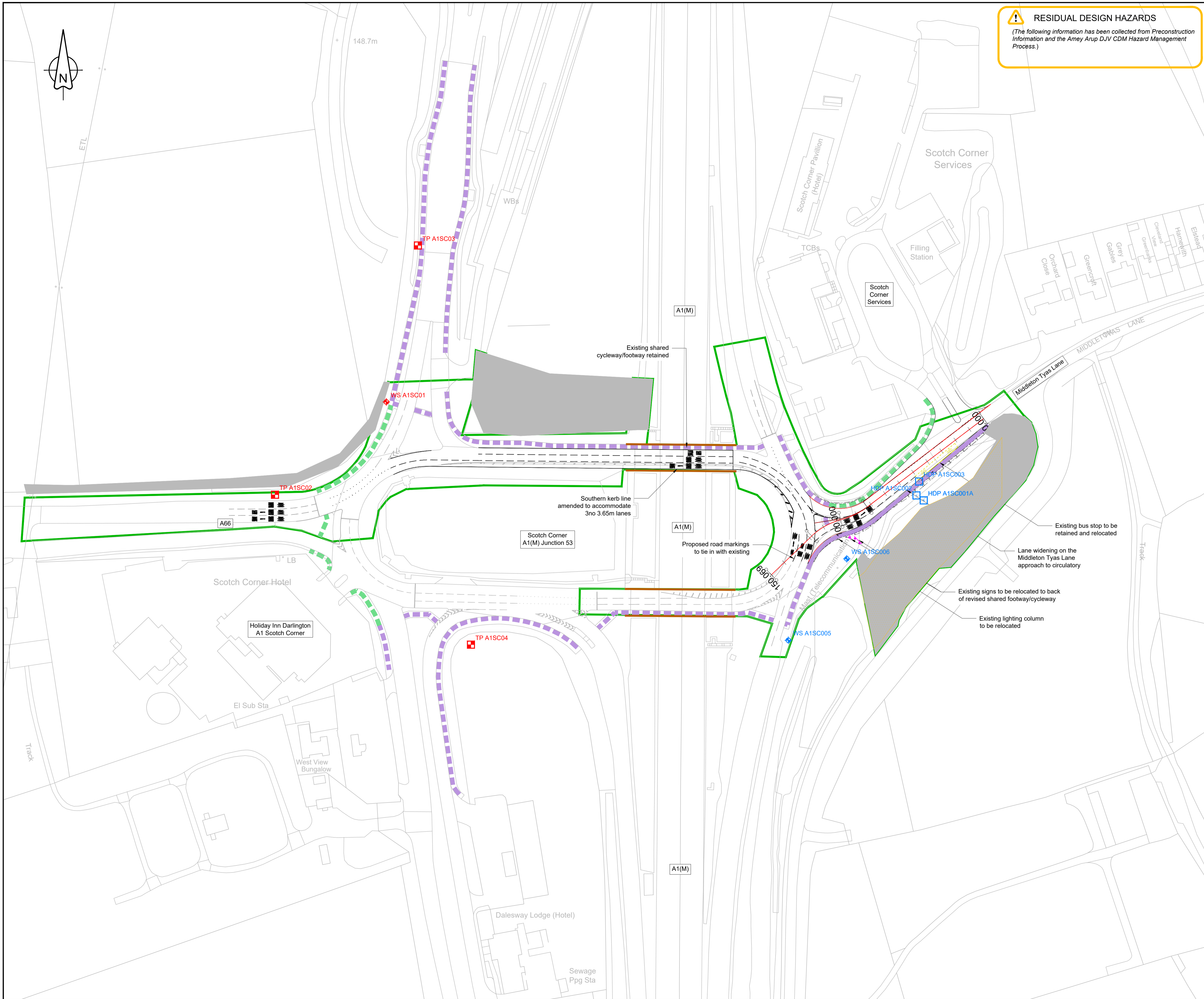
Drawing Number  
 Project | Originator | Volume |  
**HE565627 - AMY - HGT -**  
 S09 -DR-CE -200004  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01

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## A.2 Scheme 11





**RESIDUAL DESIGN HAZARDS**  
 (The following information has been collected from Preconstruction Information and the Amey Arup DJV CDM Hazard Management Process.)

- NOTES**
- All levels are in metres above Ordnance Datum.
  - All dimensions are in metres unless otherwise stated.
  - This drawing is to be read in conjunction with all other relevant drawings and the accompanying technical note HE565627-AMY-HGN-S11-TN-CH-000001.
  - The drainage design is of a sufficient level of detail to advise land take requirements and early stage design feasibility. Further design development to be undertaken.
  - The vehicle restraint system layout is a high level assessment and requires a detailed risk assessment (RRRAP) of the hazards present in the design.
  - Road markings and structures are indicative only and require further design development.
  - Traffic sign faces and locations are indicative only. Traffic signs will be developed at detailed design.
  - Fencing and gate locations subject to agreement with landowners.
  - Public Right of Way (footpaths and bridleways) diversions are indicative only and subject to agreement with local authority and landowners.

- KEY**
- Green line boundary
  - Existing layout
  - Proposed layout
  - Earthworks
  - Existing highway structure
  - Traffic sign
  - Proposed shared cycleway/footway
  - Existing shared cycleway/footway
  - Existing footway/footpath
  - Compound/storage area
  - Potential environmental mitigation
  - 2021 Hand Dug Pits
  - Planned Trial Pits Not Undertaken
  - 2021 Windowless Samples
  - Planned Windowless Samples not Undertaken
- BH - Borehole  
 TP - Trial Pit  
 WS - Window Sample  
 HDP - Hand Dug Pit  
 SW - Surface Water Sample

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P01	JBEL 07/03/22	MSAL 08/03/22	MSAL 08/03/22	MSAL 08/03/22	---
Revision	Revision details				
	Created dd/mm/yy	Checked dd/mm/yy	Reviewed dd/mm/yy	Approved dd/mm/yy	Authorised dd/mm/yy

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**highways england**

Project Name  
**A66 Northern Trans-Pennine**

Drawing Title  
**Scheme 11: Scotch Corner  
 As Built Exploratory Hole Plan  
 Sheet 1 of 1**

Project Ref. No.	Stage	Scale : 1:1000	@ A1
---	PCF3	Dimensions : M	

Drawing Number	Project	Originator	Volume
HE565627 - AMY - HGT -	S11	-DR-CE -	000001
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	Fit for Stage Approval	P01



## B Methodology for Derivation of Material Properties

Geotechnical parameters for the strata encountered in exploratory holes located along schemes 7 and 8 have been derived from laboratory tests, literature sources and soil and rock descriptions. The methodologies used to derive these are outlined in the sections below.

The approach adopted is to derive a set of parameters for each scheme as a whole, whilst ensuring that they adequately represent local variations.

The parameters included in this report are for the purpose of developing a suitable specimen design. These should be treated as preliminary and should be given further consideration during the PCF design stage 4.

### B.1 Bulk Density

The bulk density parameters provided have been chosen from guidance in BS8002:2015, supplemented with bulk density tests carried out as part of the 2021 and historical ground investigations, where available.

### B.2 Classification

Classification of each stratum was undertaken using Natural Water Content (NWC), Atterberg Limit Tests, Particle Size Distribution (PSD) and Particle Density test results.

For rocks, rock water content tests have been presented separately from natural water content tests in soil to distinguish between tests carried out in weathered rock recovered as a soil and the bedrock. Rock water content tests were also carried out separately as part of Unconfined Compressive Strength (UCS) testing.

### B.3 Shear Strength

#### Cohesive Soils

#### Undrained Shear Strength

Measured values of undrained shear strength ( $c_u$ ) have been obtained from in-situ and laboratory hand shear vane measurements, and unconsolidated undrained triaxial tests (UU).

$c_u$  has also been calculated from SPT N (uncorrected) value using the following equation [62]:

$$c_u = f_1 N \text{ (kPa)}$$

where:

$f_1$  is dependent on Plasticity Index as per the figure below.

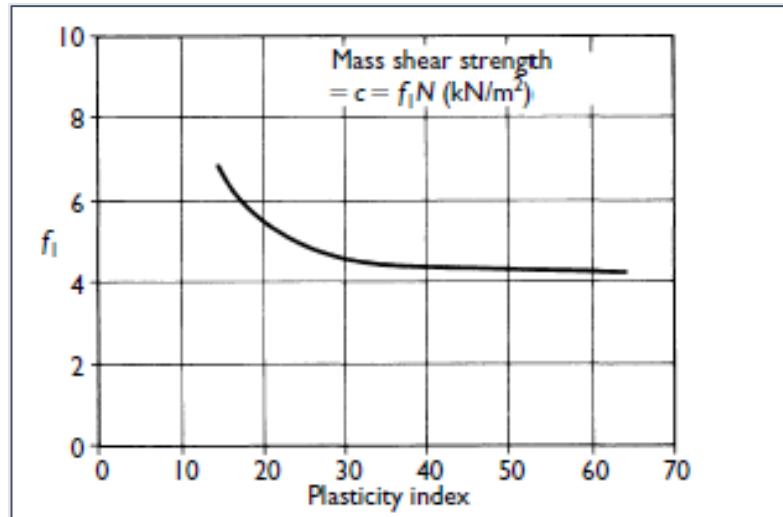


Figure B1:  $f_1$  and relationship to Plasticity Index (reproduced from Tomlinson [62]).

### Drained Shear Strength

Measured values of the angle of shearing resistance and effective cohesion have been obtained from consolidated undrained triaxial tests (CU), and direct shear tests.

The angle of shearing resistance has also been calculated using the following equation from BS8002:2015 [35]:

$$\phi'_{cv} = (42^\circ - 12.5 \log_{10}(I_P))$$

where:

$I_P$  is the Plasticity Index entered as a percentage

$\phi'_{cv}$  is the soil's constant-volume angle of shearing resistance

It is noted that the peak angle of shearing resistance will be greater than  $\phi'_{cv}$  for in-situ soils, due to the contribution from soil dilatancy.

The peak angle of shearing resistance has been evaluated from small shearbox testing on recompacted samples and consolidated undrained triaxial testing only.

In the absence of comprehensive testing data the constant volume effective cohesion  $c'$  has been assumed as zero as per guidance in BS8002:2015 [35]. Values of  $c'$  obtained from consolidated undrained triaxial testing have been presented, where recorded.

### Granular soils

#### Angle of shearing resistance

Measured values of the angle of shearing resistance of granular soils have been obtained from direct shear tests.

The angle of shearing resistance has also been calculated from the relationships between SPT  $N$  value and the angle of shearing resistance presented by Peck et al (1974) [38].

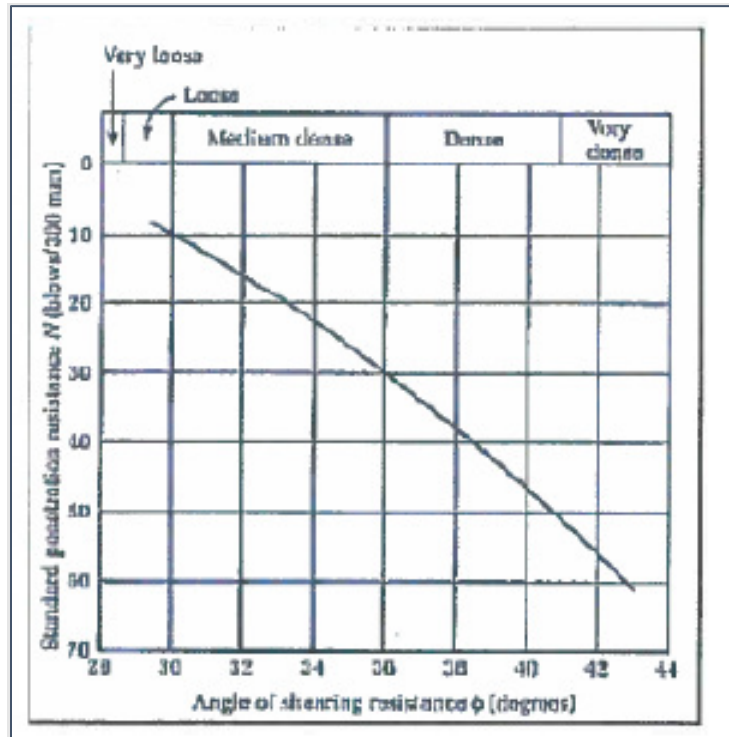


Figure B2: Relationship between NSPT value and angle of shearing resistance (Peck et al, 1974) [38]

In addition the critical state effective angle of shearing resistance of granular soils can be estimated from the below equations in accordance with guidance in BS 8002:2015 [35].

$$\phi'_{\text{critical}} = 30^\circ + \phi'_{\text{ang}} + \phi'_{\text{PSD}}$$

where

$\phi'_{\text{ang}}$  is the contribution from the angularity of the particles

$\phi'_{\text{PSD}}$  is the contribution from the soils' particle size

As for cohesive soils the peak friction angle has not been evaluated using this method.

## **Rocks**

### **Unconfined compressive strength**

An indication of the unconfined compressive strength (UCS) of rocks has been derived from the descriptions in the exploratory hole logs. The Figure 6 below presents an extract from BS 5930:2015 [63] which gives unconfined compressive strength ranges for each descriptive term.

Term for use in field or based on measurement	Definition for field use	Definition on basis of Unconfined Compressive Strength measurements MPa
Extremely weak	Can be indented by thumbnail. Gravel sized lumps crush between finger and thumb.	0.6 – 1.0
Very weak	Crumbles under firm blows with point of geological hammer. Can be peeled by a pocket knife.	1 – 5
Weak	Can be peeled by a pocket knife with difficulty. Shallow indentations made by firm blow with the point of geological hammer.	5 – 25
Medium strong	Cannot be scraped with pocket knife. Can be fractured with a single firm blow of geological hammer.	25 – 50
Strong	Requires more than one blow of geological hammer to fracture.	50 – 100
Very strong	Requires many blows of geological hammer to fracture.	100 – 250
Extremely strong	Can only be chipped with geological hammer.	>250

*NOTE Based on BS EN ISO 14689-1:2003 4.2.7, Table 5.*

Figure B3: Unconfined compressive strength ranges (BS 5930:2015) [63]

Where point load tests have been carried out, these have been used to derive the UCS of rock using the following relationship:

$$UCS = C * I_{s(50)}$$

Where  $I_{s(50)}$  is the point load index

C is a constant relating to the published or site-specific correlation. The following values of C have been adopted on this project:

- Mudstone: C=10
- Sandstone and limestone: C= 20

Direct measurements of strength from laboratory UCS tests have also been carried out as part of the 2021 ground investigation.

## B.4 Compaction Characteristics

Laboratory CBR tests were carried out as part of the 2021 ground investigation. These tests were carried out under soaked conditions and therefore the results represent a conservative, lower-bound estimate of the in-situ conditions. CBR has also been derived from in-situ plate load tests carried out at several trial pits locations during the 2021 ground investigation.

Compaction characteristics were assessed using standard laboratory tests. These comprised dry density/moisture content relationship determination, the majority were carried out using 4.5kg rammer apparatus with some tests on granular material carried out with vibrating rammer, and Moisture Condition Value (MCV).

The SHW places emphasis on achievement of adequate compaction of soils used as fill materials. This can be measured by determining the maximum dry density that can be achieved for soil from a particular area and stratum. The moisture content of the soil at the maximum dry density is the optimum amount. By definition, the relationship covers a range of moisture contents both on the dry

side and the wet side of this value. Depending on fill end use and plant, the SHW indicates an acceptable level of compaction, on an “end-product” or “method-related” basis and the range of moisture contents that are likely to achieve this requirement.

In addition to the standard compaction test described, the MCV test has been developed as a more rapid means of determining material suitability in the field, without the need to wait for moisture content determinations. Prior to MCV, field compliance testing meant that volumes of fill could potentially be placed and compacted outside the acceptable moisture content range, failing the specification and then requiring mitigation and in situ testing processes. The MCV test in the field does not rely on moisture content determination and instead an MCV value range is used to determine acceptability at the point of deposition in the field.

In order to determine the suitable MCV value range for different materials on a scheme, suitable MCV calibration and single point MCV determinations are used. For the schemes covered by this GIR, there are mixed soils present and in general the fine fraction of these mixtures determines behaviour of the overall matrix, even though the granular fraction may be up to 85% of the mixture. For these soils, the MCV is well-suited and single point and calibration tests have been undertaken. These are discussed in the scheme ground summary chapters.

For granular soils, the MCV test is less relevant as these have a structure which generally allows drainage during compaction. The MCV test procedure identifies PSDs that will not be suitable for the MCV test and the standard compaction test is the recommended route to suitability determination for granular soils.

Both single-point moisture condition value (MCV) tests and multi-point moisture content condition (MCC) tests were carried out as part of the 2021 ground investigation and have been used to derive the typical MCV of potential earthworks materials and the relationship between MCV and moisture content.

## B.5 Consolidation and Compressibility/Stiffness

### Cohesive Soils

#### Coefficient of volume compressibility ( $m_v$ )

The coefficient of volume compressibility has been derived on a scheme wide basis due to the limit number of oedometer tests available.  $m_v$  values from the 50-100kPa loading increment of the oedometer tests have been used as this is typical of the surcharge from low embankments and representative of the proposed developments on the scheme.

#### Undrained Elastic Modulus ( $E_u$ )

The undrained elastic modulus for cohesive soils has not been derived in this report.

#### Drained Elastic Modulus ( $E'$ )

The drained elastic modulus has been derived using the correlation by Tomlinson [62]:

$$E' = 1/m_v$$

The value of  $m_v$  derived on a scheme wide basis has been used. Where appropriate, the results have been compared to values of  $m_v$  derived from in-situ SPT results as follows:

$$m_v = 1/f_2N$$

Where  $f_2$  is dependent on the Plasticity Index as per the Figure 7 below.



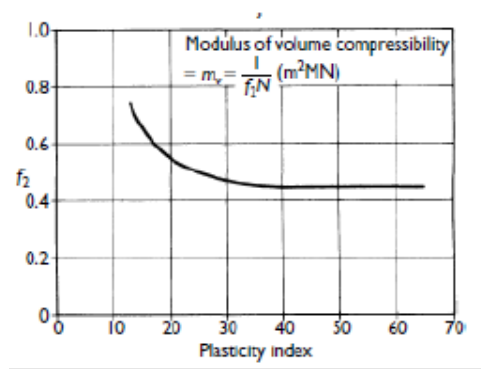


Figure B4–  $f_2$  and relationship to Plasticity Index (reproduced from Tomlinson [62]).

## Granular Soils

### Elastic Modulus

For granular soils, elastic modulus was estimated from the SPT N value using the following equation (Stroud, 1989) in CIRIA 143 [40][40]:

$$E' = 1 \times N.$$

## B.6 Chemical testing

In the 2021 investigation, ground chemistry was assessed from the perspective of geotechnical and structural design and in order to evaluate geo-environmental impact.

For geotechnical and structural considerations, the main objective at the preliminary stage of design is evaluation of the presence of sulfate bearing soils. These have the potential to allow soluble sulfate compounds to come into contact with buried structural materials and are known to create severe problems with buried concrete and steel. BRE Special Digest 1 (SD1): Concrete in Aggressive Ground [41] provides a basis for assessment of the risks to buried concrete in particular, using a suite of tests for water soluble sulfate that can leach from the soil, whether immediately available or present in other sulfur compounds. The SD1 approach allows determination of the Design Sulfate (DS) class and Aggressive Chemical Environment for Concrete (ACEC) classification. These criteria are considered in the scheme ground summary chapters.

In addition to risks to buried concrete and steel, sulfate bearing soils will constrain soil improvement methods if they are required by later design. These methods, such as lime and/or cement improvement and stabilisation are adversely affected by the presence of soluble sulfate. Excessive consumption of lime and soil swelling are issues that can arise and these are considered where relevant later in Chapter 10.

## C List of Exploratory Hole Locations

Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	BH SBC002	Cable percussive borehole	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC008	Cable percussive borehole	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC010	Cable percussive borehole	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC010A	Cable percussive borehole	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC001	Cable percussive borehole+RC	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC005	Cable percussive borehole+RC	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC006	Cable percussive borehole+RC	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC007	Cable percussive borehole+RC	✓					
Allied Exploration Geotechnics Ltd, 2021.	BH SBC009	Cable percussive borehole+RC	✓					
A66 Greta Bridge to Stephen Bank, 1999	NZ11SW54	Trial Pit	✓					
A66 Greta Bridge to Stephen Bank, 1999	NZ11SW55	Trial Pit	✓					
A66 Greta Bridge to Stephen Bank, 1999	NZ11SW56	Trial Pit	✓					
A66 Greta Bridge to Stephen Bank, 1999	NZ11SW75	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC001	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC002	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC003	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC004	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC005	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC006	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC007	Trial Pit	✓					

Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	TP SBC008	Trial Pit	✓					
Allied Exploration Geotechnics Ltd, 2021.	TP SBC009	Trial Pit	✓	✓				
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004	WLS	✓					
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004A	WLS	✓					
Allied Exploration Geotechnics Ltd, 2021.	WS SBC004B	WLS	✓					
A66 AGS Data - HAGDMS, 2016	BH01-29695	Cable percussive borehole			✓			
A66 AGS Data - HAGDMS, 2016	BH02-29695	Cable percussive borehole					✓	
A66 AGS Data - HAGDMS, 2016	BH03-29695	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC011	Cable percussive borehole		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC012	Cable percussive borehole		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC013	Cable percussive borehole		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC014	Cable percussive borehole		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC016	Cable percussive borehole		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC018	Cable percussive borehole			✓			
Allied Exploration Geotechnics Ltd, 2021.	BH SBC019	Cable percussive borehole			✓			
Allied Exploration Geotechnics Ltd, 2021.	BH SBC017	Cable percussive borehole		✓	✓			
Allied Exploration Geotechnics Ltd, 2021.	BH SBC020	Cable percussive borehole				✓		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC021	Cable percussive borehole				✓		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC022	Cable percussive borehole				✓		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC026	Cable percussive borehole				✓		

Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	BH SBC023	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC023A	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC027	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC028	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC030	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC031	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC032	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC032A	Cable percussive borehole					✓	
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE14	Cable percussive borehole					✓	
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE15	Cable percussive borehole					✓	
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE19	Cable percussive borehole					✓	
Allied Exploration Geotechnics Ltd, 2021.	BH SBC029	Cable percussive borehole					✓	✓
Allied Exploration Geotechnics Ltd, 2021.	BH SBC014A	Cable percussive borehole with rotary follow on		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC015	Cable percussive borehole with rotary follow on		✓				
Allied Exploration Geotechnics Ltd, 2021.	BH SBC024	Cable percussive borehole with rotary follow on				✓		
Allied Exploration Geotechnics Ltd, 2021.	BH SBC025	Cable percussive borehole with rotary follow on					✓	
Allied Exploration Geotechnics Ltd, 2021.	SW SBC001	Surface water sample			✓			
Allied Exploration Geotechnics Ltd, 2021.	SW SBC002	Surface water sample					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC010	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC011	Trial Pit		✓				

Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	TP SBC012	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC012A	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC013	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC014	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC015	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC016	Trial Pit		✓				
Allied Exploration Geotechnics Ltd, 2021.	TP SBC017	Trial Pit		✓				
A66 Ravensworth Retaining Wall, 2008	NZ10NW10	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW11	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW12	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW13	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW14	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW15	Trial Pit			✓			
A66 Ravensworth Retaining Wall, 2008	NZ10NW16	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC019	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC020	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC021	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC023	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC024	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC025	Trial Pit			✓			

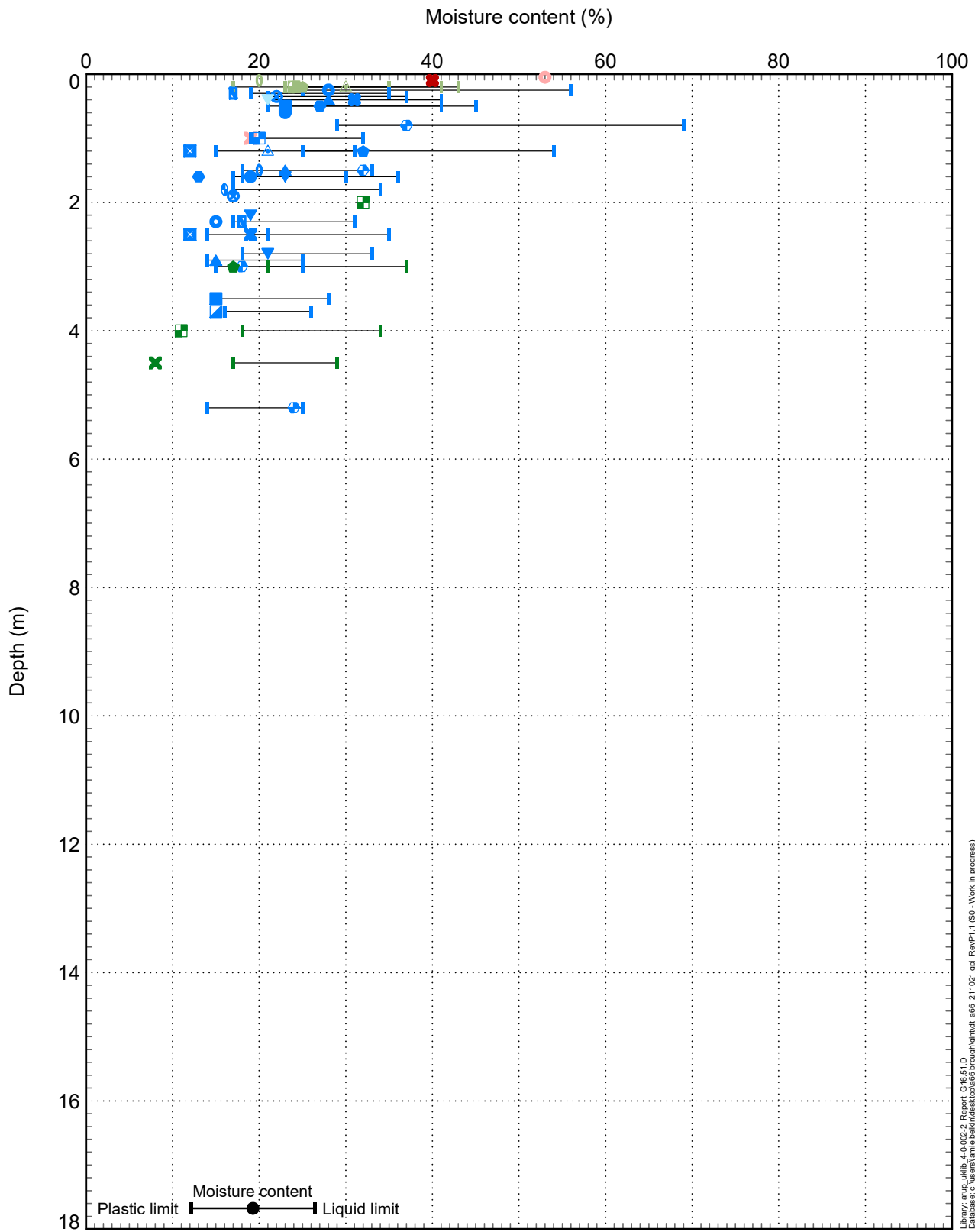
Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	TP SBC026	Trial Pit			✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC018	Trial Pit		✓	✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC022	Trial Pit		✓	✓			
Allied Exploration Geotechnics Ltd, 2021.	TP SBC027	Trial Pit				✓		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC028	Trial Pit				✓		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC029	Trial Pit				✓		
Allied Exploration Geotechnics Ltd, 2021.	TP SBC032	Trial Pit				✓		
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE16	Trial Pit					✓	
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE17	Trial Pit					✓	
A66 Carkin Moor - Scotch Corner, 1999	NZ10NE18	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC031	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC033	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC034	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC036	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC038	Trial Pit					✓	
Allied Exploration Geotechnics Ltd, 2021.	TP SBC030	Trial Pit					✓	✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC035	Trial Pit					✓	✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC042	Trial Pit					✓	✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC039	Trial Pit						✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC040	Trial Pit						✓

Source / Date	Hole ID	Hole Type	9.1	9.2	9.3	9.4	9.5	9.6
Allied Exploration Geotechnics Ltd, 2021.	TP SBC041	Trial Pit						✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC041A	Trial Pit						✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC043	Trial Pit						✓
Allied Exploration Geotechnics Ltd, 2021.	TP SBC044	Trial Pit						✓

Source/Date	Hole ID	Type	Scheme
Allied Exploration Geotechnics Ltd, 2021.	WS A1SC005	Windowless sampling	11
Allied Exploration Geotechnics Ltd, 2021.	WS A1SC006	Windowless sampling	11
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC001	Hand dug pit	11
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC001A	Hand dug pit	11
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC002	Hand dug pit	11
Allied Exploration Geotechnics Ltd, 2021.	HDP A1SC003	Hand dug pit	11



## D Plots of laboratory and in-situ testing



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 Database: c:\users\jmb\p01\desktop\A66\_211021.gpr RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- |                                    |             |
|------------------------------------|-------------|
| ■ Mudstone (RK-Mdst)               | △ BH SBC005 |
| ■ Made Ground - Granular (MG-G)    | ✕ BH SBC006 |
| ■ Glacial Deposits Cohesive (GD-C) | ■ BH SBC007 |
| ■ Made Ground - Cohesive (MG-C)    | ■ BH SBC009 |
| ■ Glacial Deposits Granular (GD-G) | ○ NZ11SW56  |
| ■ Topsoil (TOP)                    | ○ TP SBC001 |
| ⊕ BH SBC002                        | ○ TP SBC002 |
| ⊗ BH SBC008                        | ⊗ TP SBC003 |
| ⊙ BH SBC010                        | ● TP SBC004 |
| ⊚ BH SBC010A                       | ■ TP SBC005 |
| ● BH SBC001                        | ▲ TP SBC006 |
|                                    | ⊗ TP SBC007 |
|                                    | ● TP SBC008 |
|                                    | ▼ TP SBC009 |

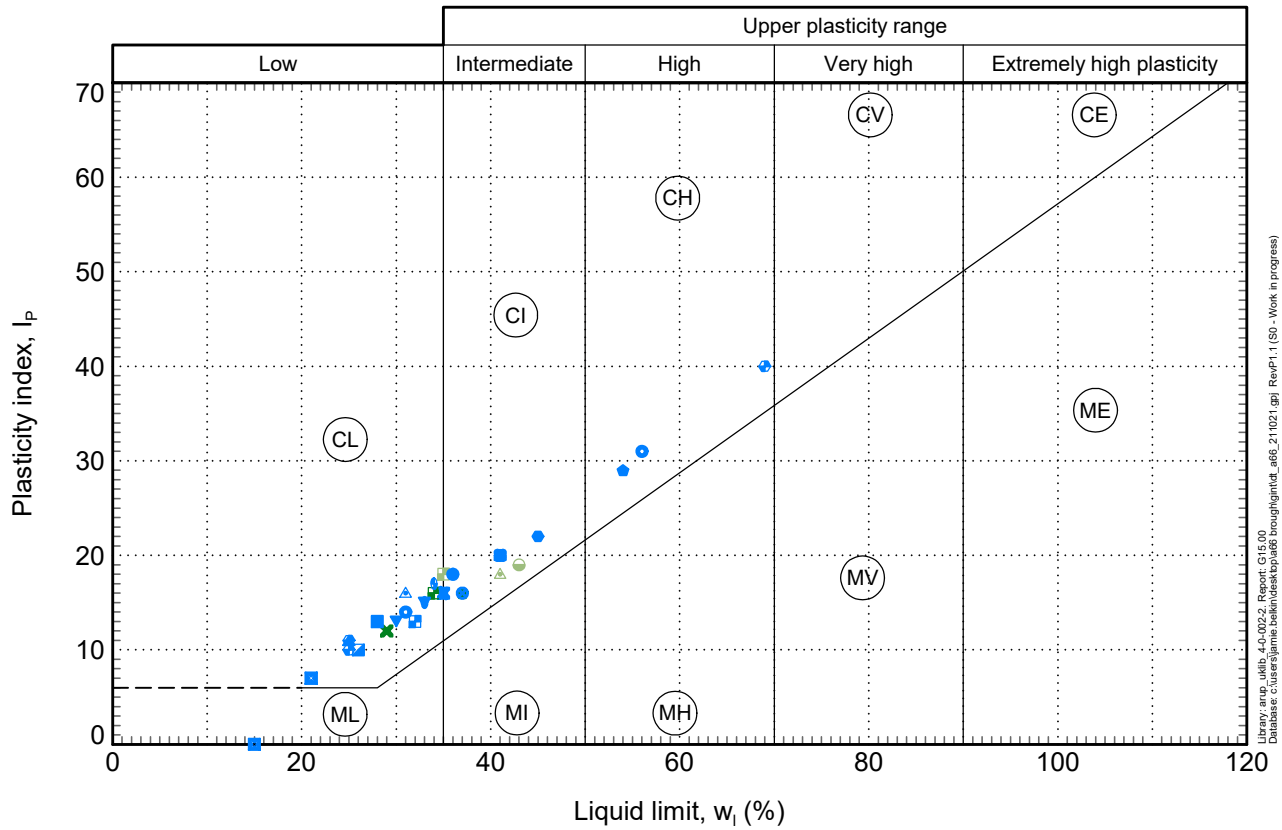
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Job Title  
**A66 NTP**

Figure Title  
**Atterberg limits  
Section 9.1**

Job No  
**276821**

Figure No  
**S9.1-1**



Library name: A66\_2012\_2\_RevP1\_1 (SD - Work in progress)  
 Database: C:\users\jamie.belkin\desktop\A66\_211021.dwg RevP1\_1 (SD - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- |                                    |             |
|------------------------------------|-------------|
| ■ Mudstone (RK-Mdst)               | ◆ NZ11SW56  |
| ■ Made Ground - Granular (MG-G)    | ○ TP SBC001 |
| ■ Glacial Deposits Cohesive (GD-C) | ■ TP SBC002 |
| ■ Topsoil (TOP)                    | ⊗ TP SBC003 |
| ◆ BH SBC002                        | ● TP SBC004 |
| ■ BH SBC008                        | ■ TP SBC005 |
| ○ BH SBC010                        | ▲ TP SBC006 |
| ■ BH SBC010A                       | ● TP SBC007 |
| ● BH SBC001                        | ● TP SBC008 |
| ▲ BH SBC005                        | ▼ TP SBC009 |
| ✕ BH SBC006                        |             |
| ● BH SBC007                        |             |
| ■ BH SBC009                        |             |

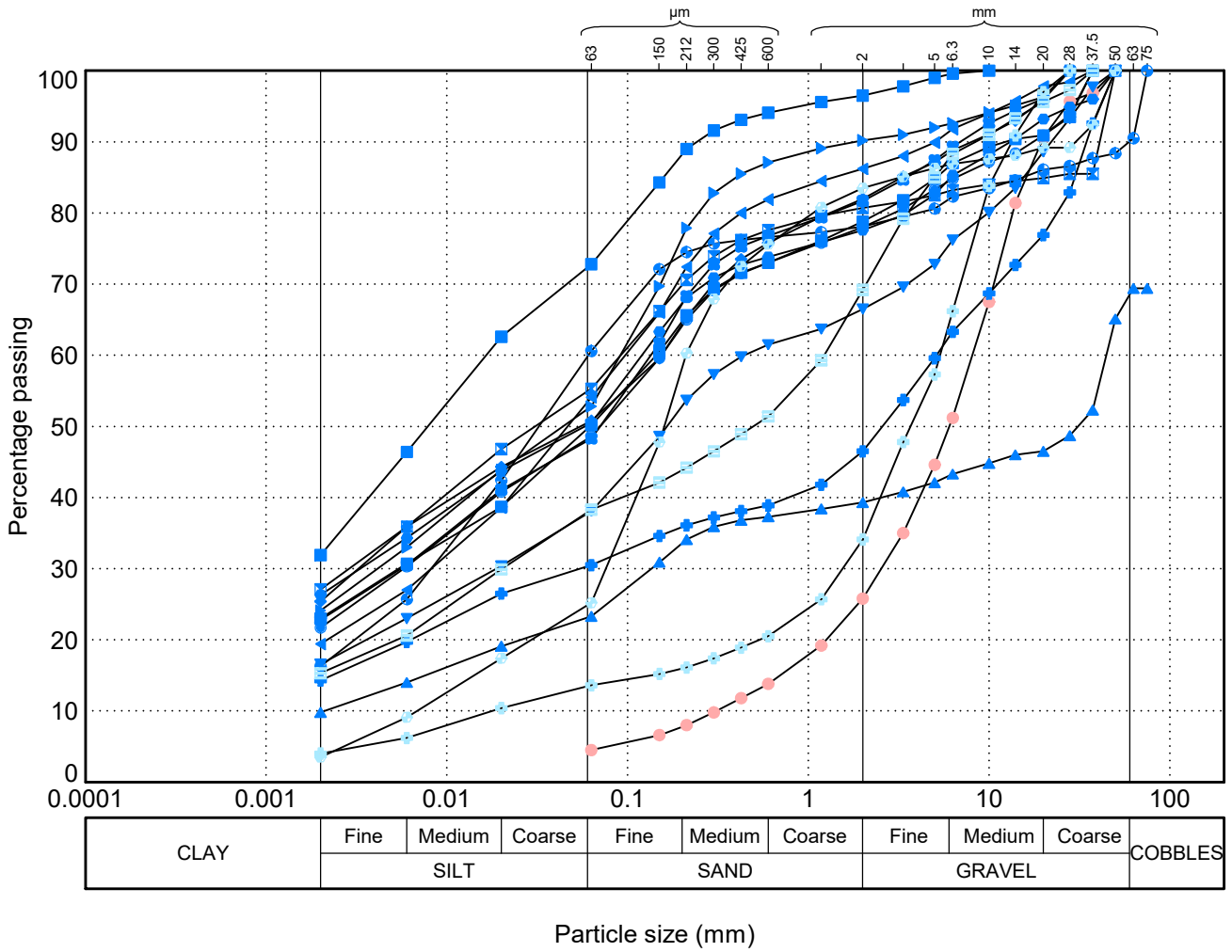
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Job Title  
A66 NTP

Figure Title  
Plasticity chart  
Section 9.1

Job No  
276821

Figure No  
S9.1-2



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Database: C:\users\jamie.belkin\desktop\ab6\_211021.gpi RevP1.1 (SO - Work in progress)

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ARUP\_gINT v10.00.01.07; Made by Jamie Belkin on 22-Oct-21

- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC008, 0.30m
- BH SBC010, 0.25m
- BH SBC001, 0.50m
- BH SBC005, 1.20m
- BH SBC007, 1.00m
- ▼ BH SBC009, 1.20m
- TP SBC001, 1.00m
- TP SBC002, 0.50m
- ▲ TP SBC003, 1.50m
- ▼ TP SBC004, 0.50m
- TP SBC005, 1.00m
- TP SBC005, 3.00m
- ⊕ TP SBC006, 4.30m
- ◆ TP SBC007, 0.40m
- ▨ TP SBC008, 3.00m
- ⊕ TP SBC008, 4.00m
- ⊕ TP SBC009, 0.40m

# ARUP

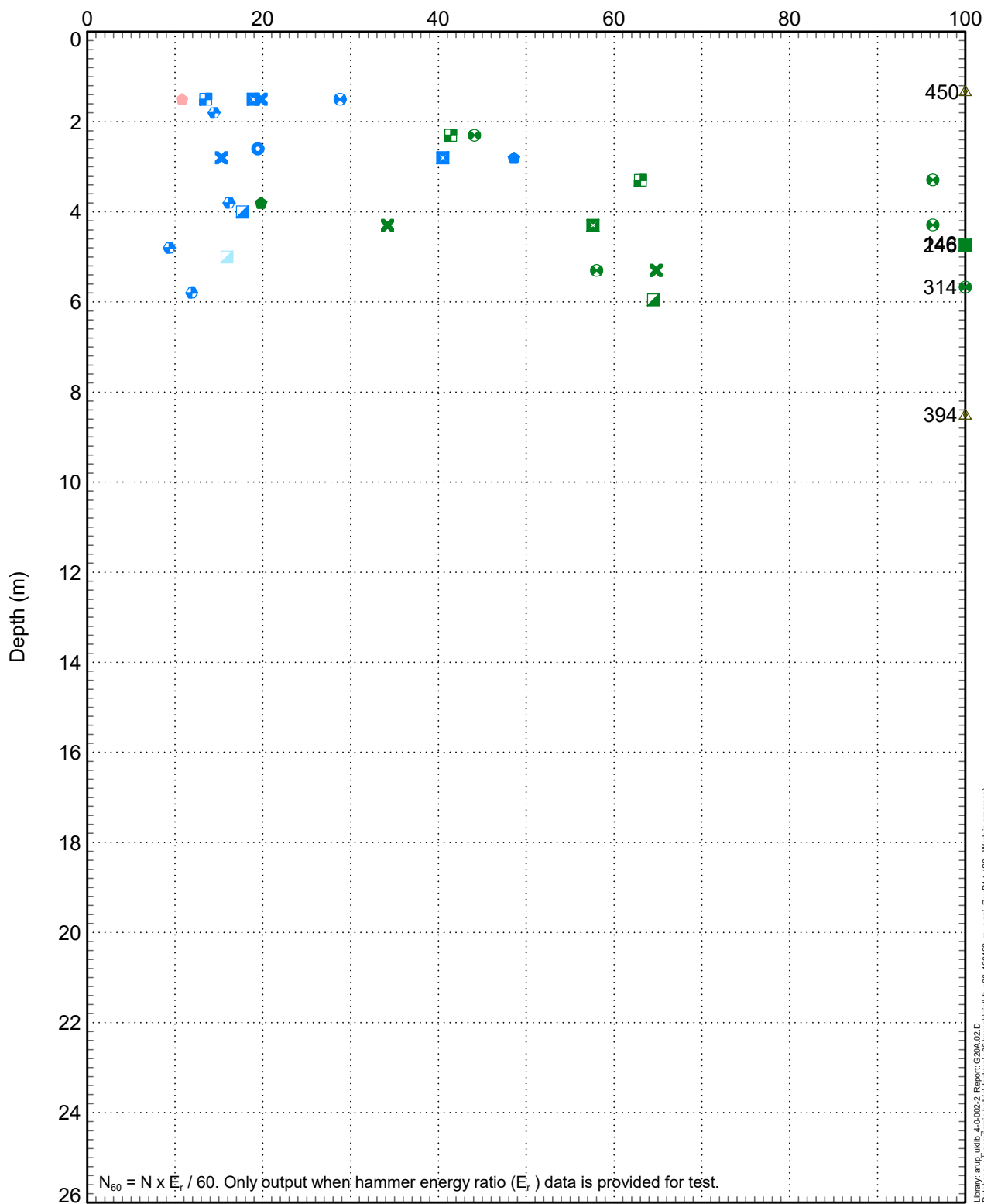
Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
Section 9.1**

Job No  
**276821**

Figure No  
**S9.1-3**

SPT N(60) value,  $N_{60}$



Library: arup\_splb\_4.0.002.2 Report: C29A.03.D  
Database: c:\users\jamie.belkin\desktop\ap66.brough\gmt\ap66\_120122\_rev.aop\ RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- ⊕ BH SBC002
- ⊗ BH SBC008
- ⊙ BH SBC010
- ⊠ BH SBC010A
- ▲ BH SBC001
- ✕ BH SBC005
- ◆ BH SBC006
- ⊞ BH SBC007
- ⊛ BH SBC009

# ARUP

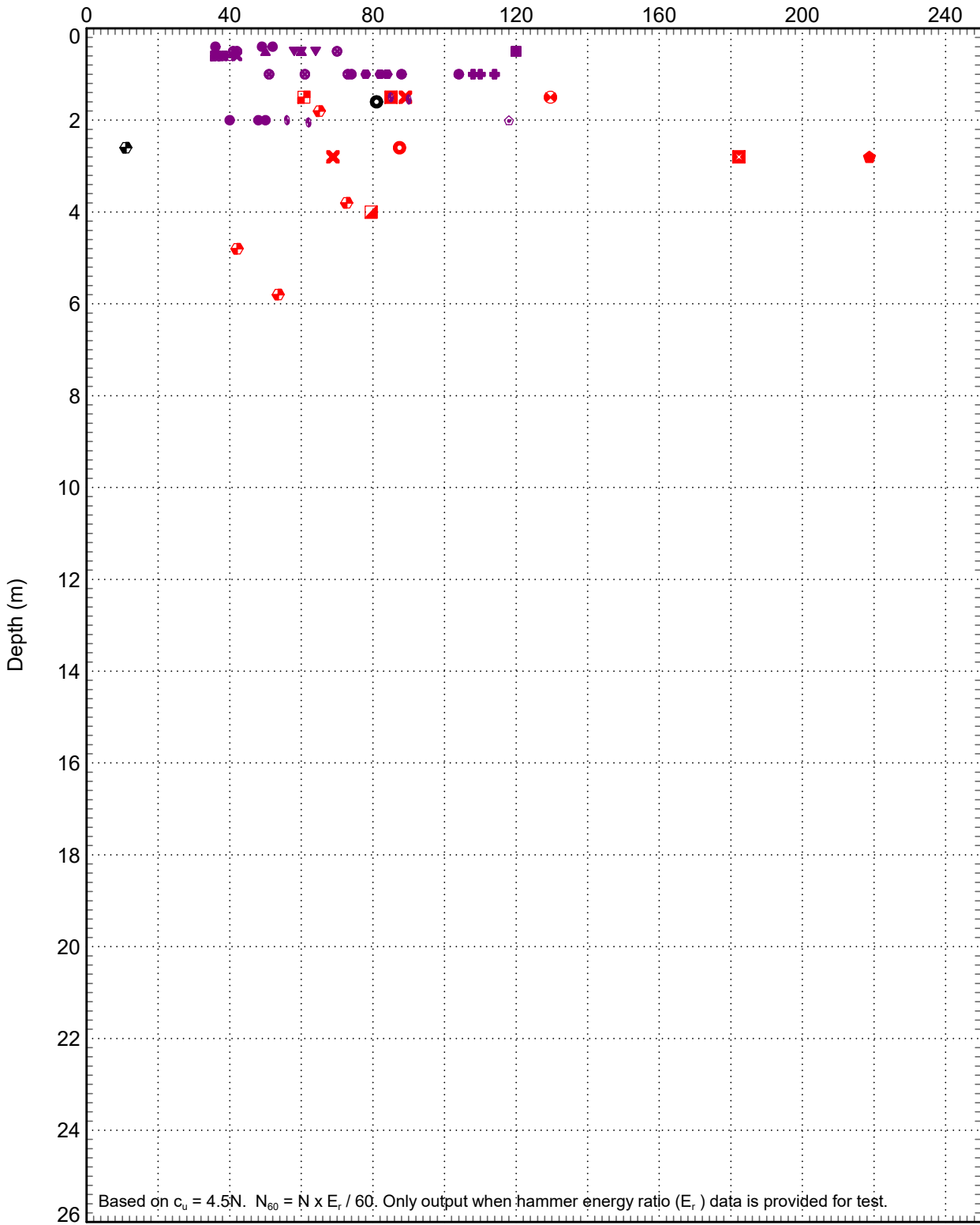
Job Title  
A66 NTP

Figure Title  
Standard penetration tests  
Section 9.1

Job No  
276821

Figure No  
S9.1-4

Undrained shear strength,  $c_u$  (kPa)



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ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- |                         |             |
|-------------------------|-------------|
| ■ cu from SPT (x4.5)    | ■ TP SBC004 |
| ■ From hand vane (peak) | ▲ TP SBC005 |
| ■ From triaxial test    | ● TP SBC007 |
| ⊕ BH SBC002             | ▼ TP SBC008 |
| ⊗ BH SBC008             | ⊕ TP SBC009 |
| ⊙ BH SBC010             |             |
| ⊠ BH SBC010A            |             |
| ⊗ BH SBC005             |             |
| ⊙ BH SBC006             |             |
| ⊠ BH SBC007             |             |
| ⊙ BH SBC009             |             |
| ⊙ NZ11SW54              |             |
| ⊙ NZ11SW56              |             |
| ⊙ TP SBC002             |             |
| ● TP SBC003             |             |

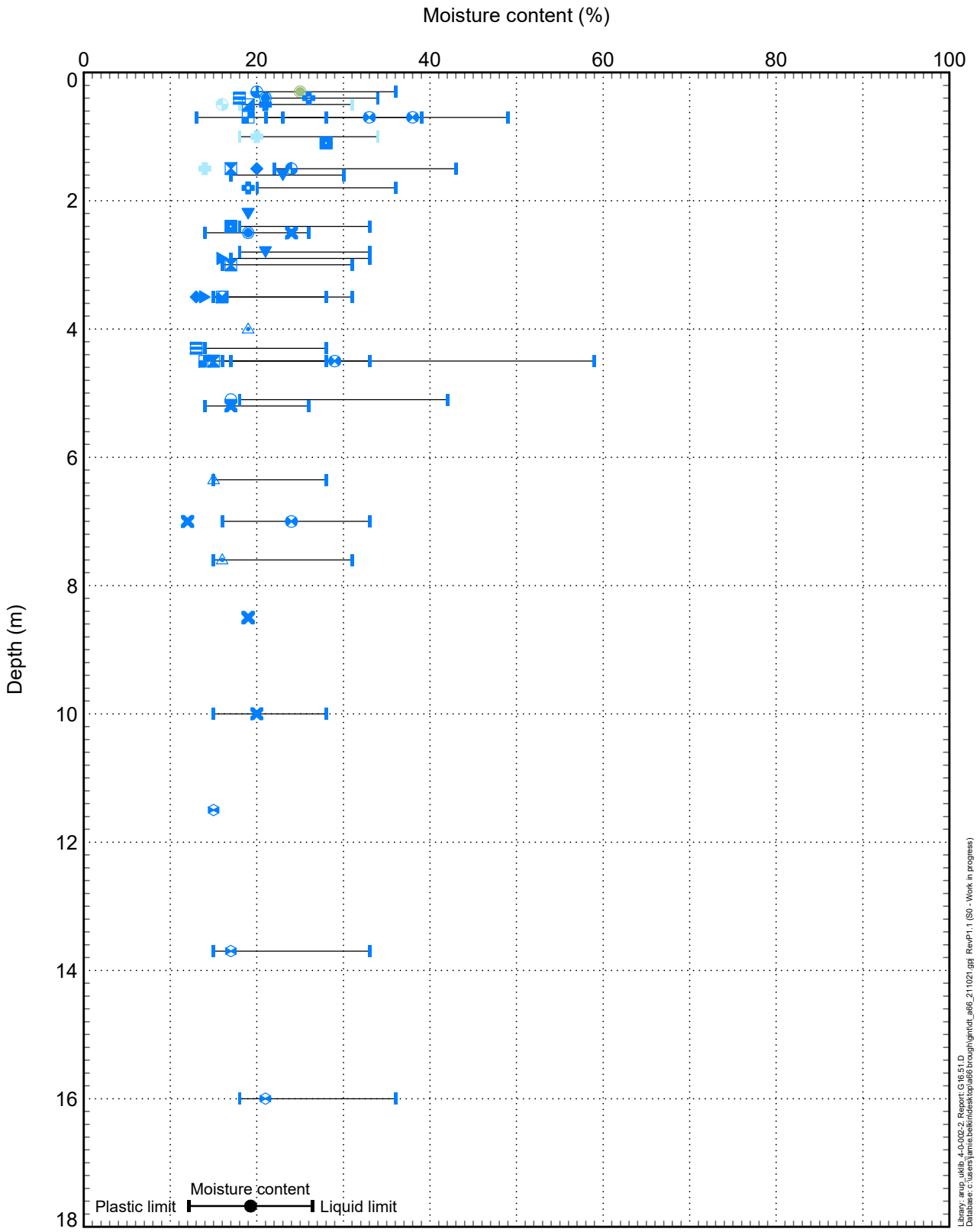
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Undrained shear strength  
Section 9.1**

Job No  
**276821**

Figure No  
**S9.1-5**



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 Database: c:\users\jmb\Documents\A66\A66\_211021.gdb RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07, Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC011
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC016
- ⊗ BH SBC017
- ⊗ BH SBC014A
- ⊗ BH SBC015
- ▼ TP SBC009
- ⊕ TP SBC010
- TP SBC011

- ▶ TP SBC012A
- ⊗ TP SBC013
- TP SBC014
- TP SBC015
- ◆ TP SBC016
- ▨ TP SBC017
- ⊕ TP SBC018
- ▨ TP SBC022

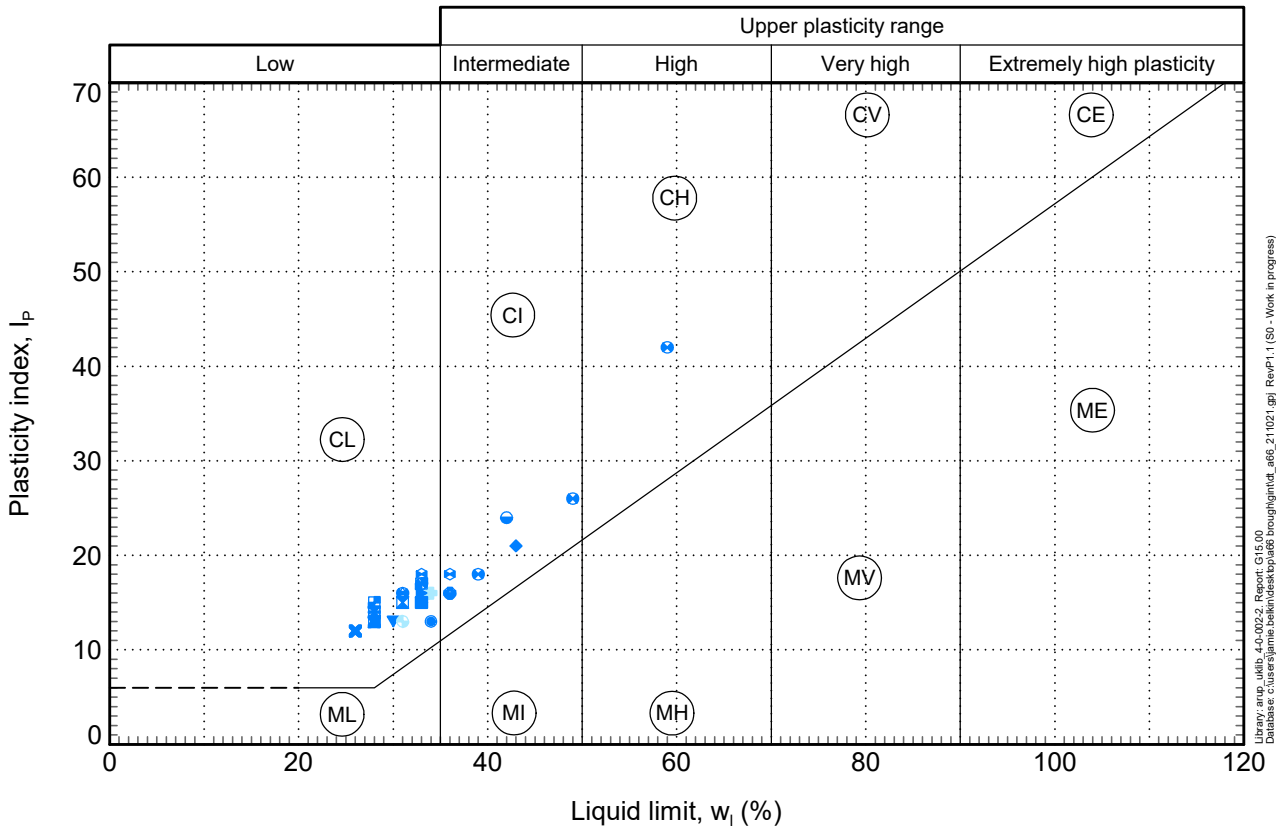
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Job Title  
**A66 NTP**

Figure Title  
**Atterberg limits  
Section 9.2**

Job No  
**276821**

Figure No  
**S9.2-1**



Library: s:\m\4.0.002.0 Research 615.00 Database: c:\users\jamie.belkin\desktop\arup\_a66\_211021.dwg Rev:P1.1 (SO - Work in progress)

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC011
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC016
- ⊗ BH SBC017
- ⊗ BH SBC014A
- ⊗ BH SBC015
- ▼ TP SBC009
- ⊕ TP SBC010
- TP SBC011
- ▼ TP SBC012A
- ⊗ TP SBC013
- TP SBC014
- ⊕ TP SBC015
- ◆ TP SBC016
- ▤ TP SBC017
- ⊕ TP SBC018
- ▤ TP SBC022

# ARUP

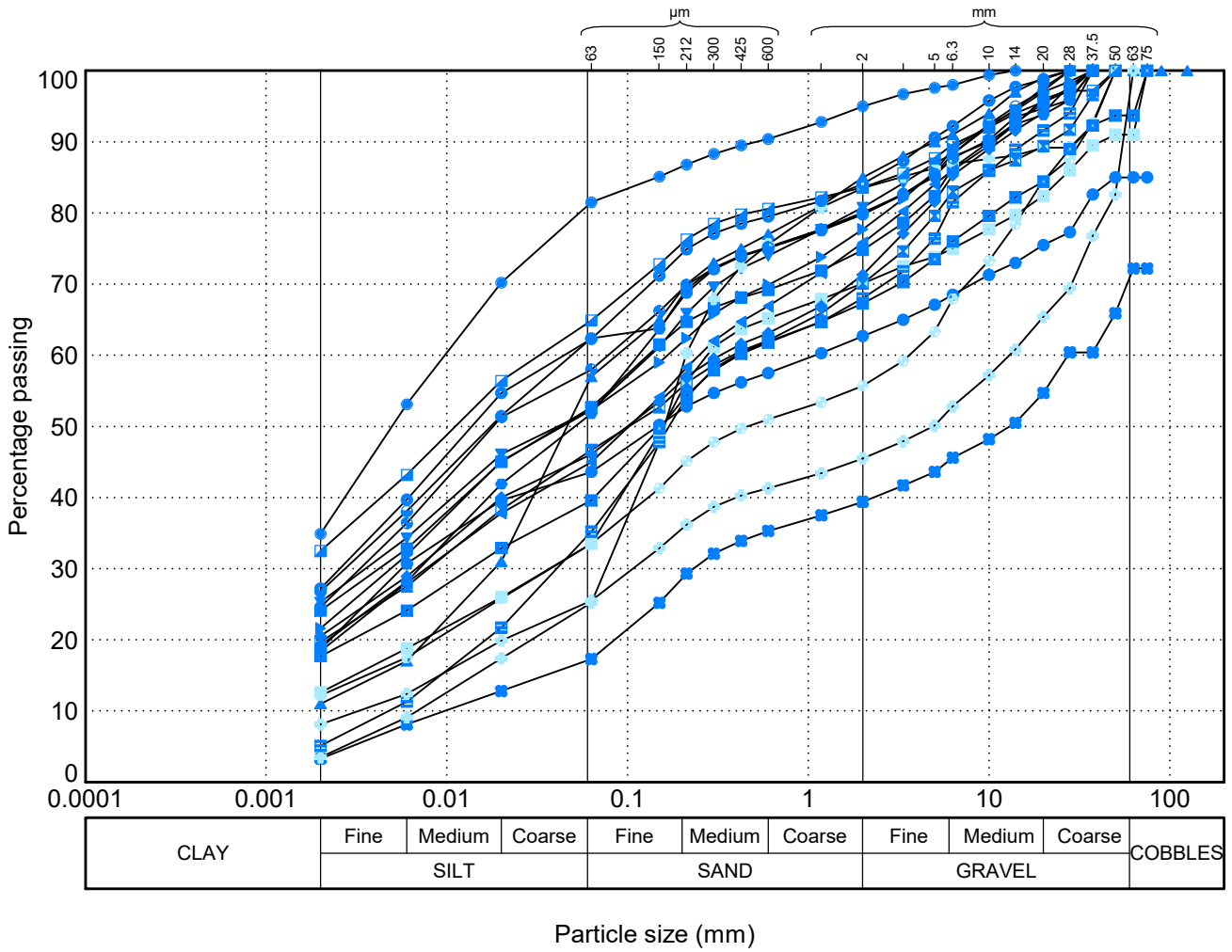
Job Title  
A66 NTP

Figure Title  
Plasticity chart  
Section 9.2

Job No  
276821

Figure No  
S9.2-2





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Database: C:\users\jamie.belien\desktop\lab\_bro\highlight\td\_a66\_211021.gpj; Rev/P1:1 (SO - Work in progress)

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ARUP\_gINT v10.00.01.07; Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC011, 5.40m
- BH SBC012, 7.60m
- ▲ BH SBC013, 8.50m
- BH SBC016, 0.50m
- BH SBC017, 3.20m
- ▼ BH SBC015, 13.00m
- ⊕ TP SBC009, 0.40m
- TP SBC010, 0.60m
- ▲ TP SBC010, 2.00m
- ▼ TP SBC011, 1.20m
- ⊠ TP SBC011, 2.80m
- TP SBC012A, 2.00m
- ⊕ TP SBC013, 1.00m
- ◆ TP SBC013, 3.00m
- ⊠ TP SBC014, 0.40m
- ⊕ TP SBC014, 1.60m
- ⊕ TP SBC015, 1.00m
- ⊠ TP SBC016, 2.00m
- TP SBC017, 3.00m
- ⊠ TP SBC018, 1.00m
- TP SBC022, 4.00m

# ARUP

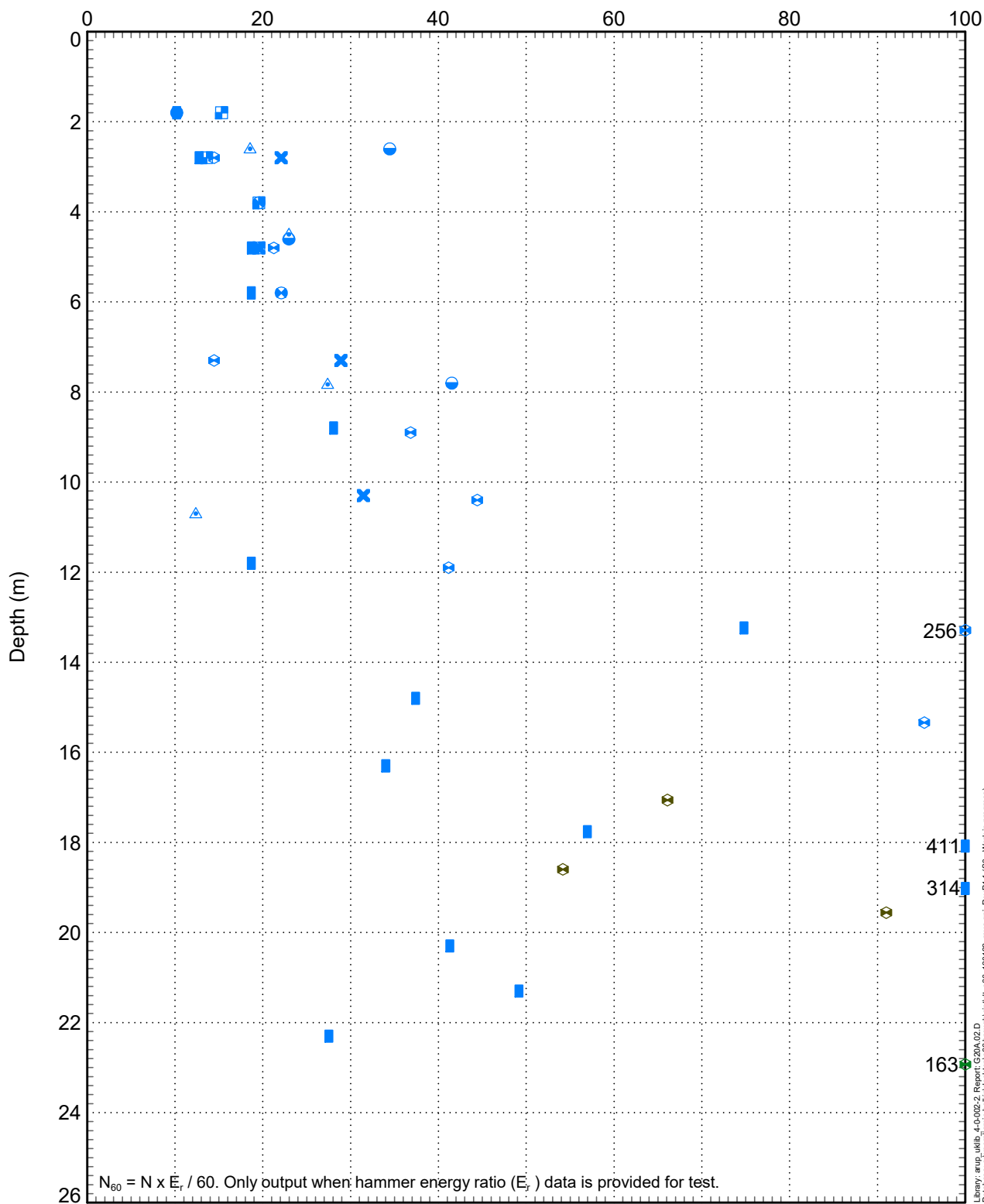
Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
Section 9.2**

Job No  
**276821**

Figure No  
**S9.2-3**

SPT N(60) value,  $N_{60}$



ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Glacial Deposits Cohesive (GD-C)
- BH SBC011
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC016
- BH SBC017
- BH SBC014A
- BH SBC015

# ARUP

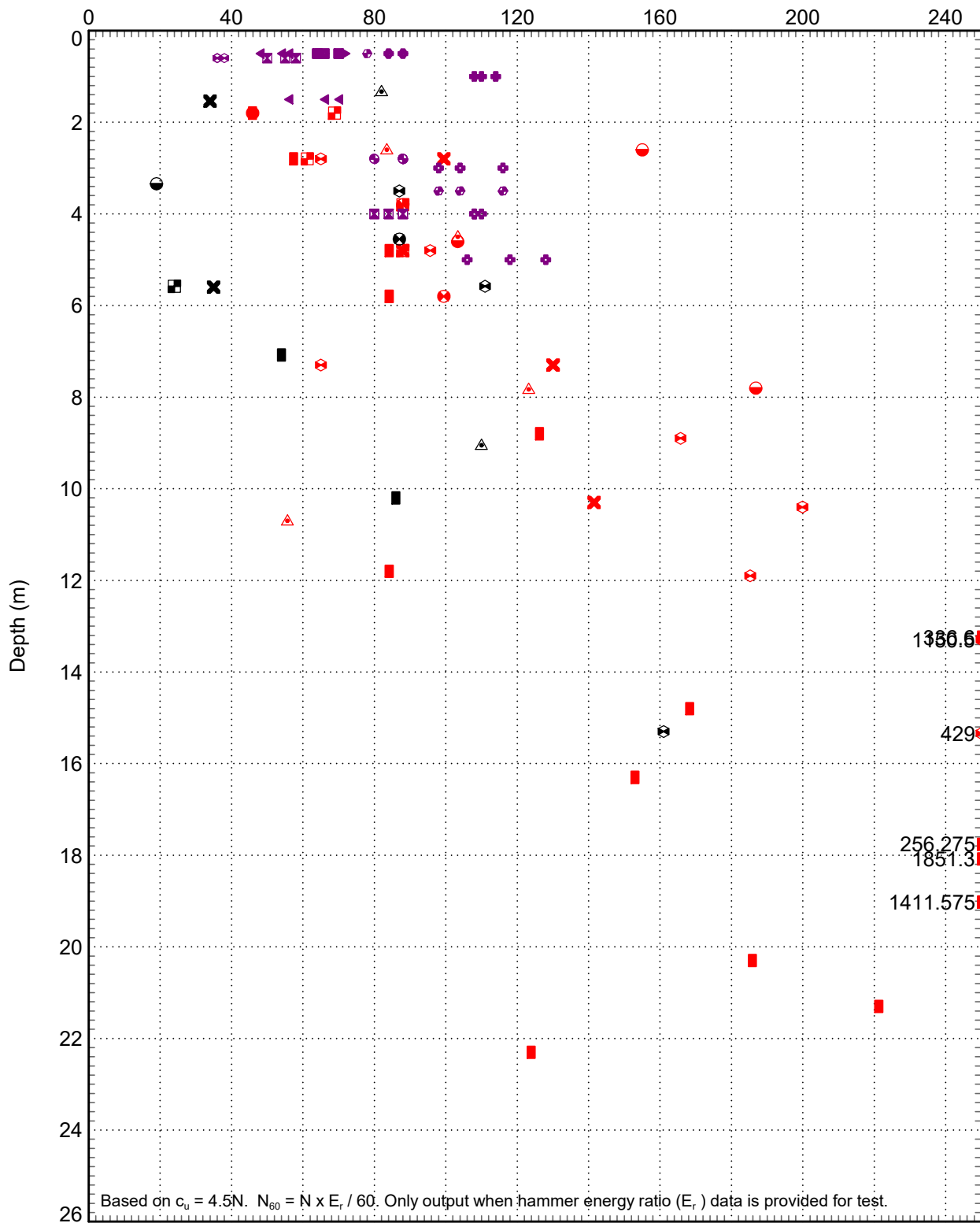
Job Title  
A66 NTP

Figure Title  
Standard penetration tests  
Section 9.2

Job No  
276821

Figure No  
S9.2-4

Undrained shear strength,  $c_u$  (kPa)



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ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test
- BH SBC011
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC016
- BH SBC017
- BH SBC014A
- BH SBC015
- TP SBC009
- TP SBC010
- ▲ TP SBC011
- ▼ TP SBC012
- TP SBC012A
- TP SBC014
- TP SBC017
- TP SBC018

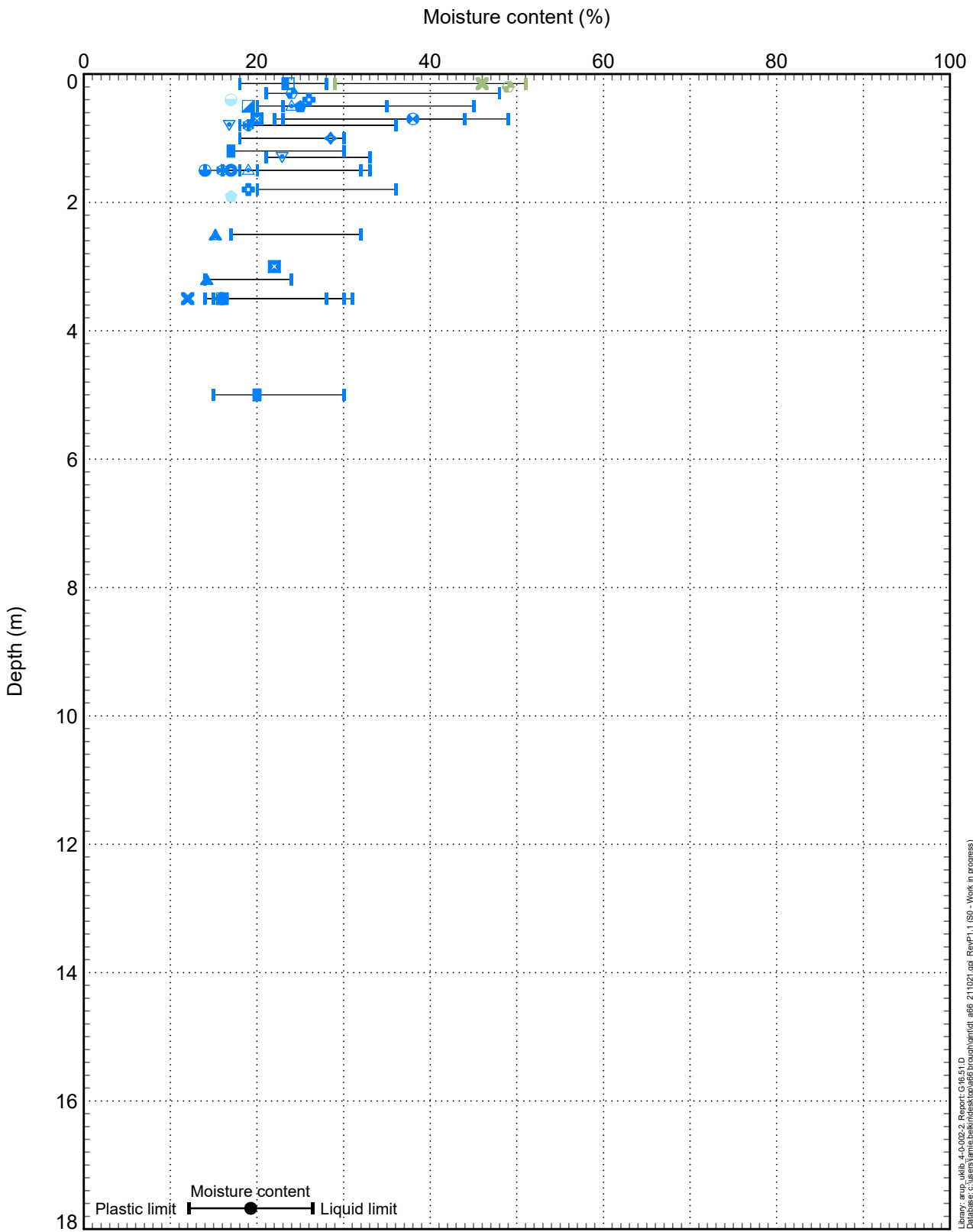
# ARUP

Job Title  
A66 NTP

Figure Title  
Undrained shear strength  
Section 9.2

Job No  
**276821**

Figure No  
**S9.2-5**



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ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC017
- BH SBC018
- BH SBC019
- NZ10NW 10
- ◆ NZ10NW 11
- ▽ NZ10NW 12
- ▲ NZ10NW 14
- ⊕ TP SBC018
- ⊕ TP SBC019
- TP SBC020

- TP SBC021
- TP SBC022
- TP SBC023
- ▲ TP SBC024
- ✕ TP SBC025
- TP SBC026

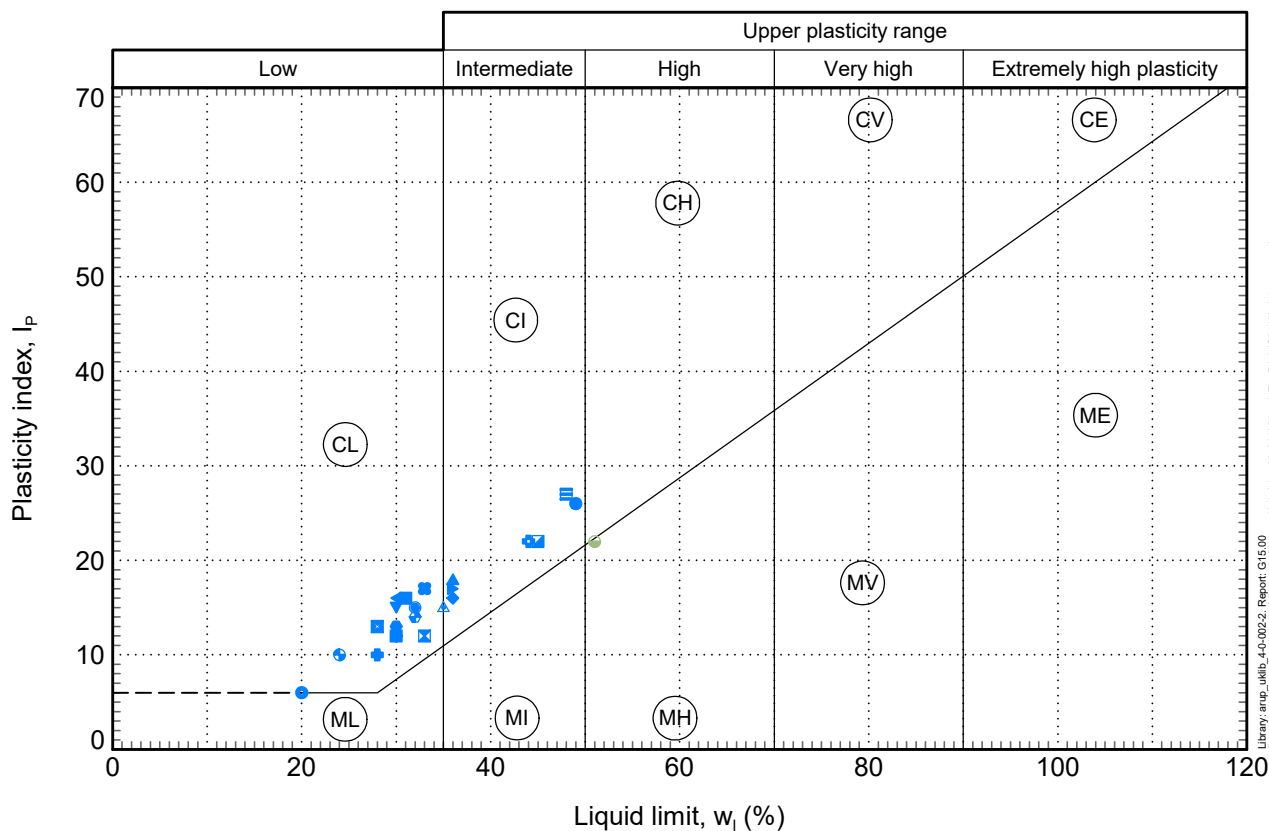
# ARUP

Job Title  
A66 NTP

Figure Title  
Atterberg limits  
Section 9.3

Job No  
**276821**

Figure No  
**S9.3-1**



Library: \\sbs\share\msh\4.0.002.0 - Research - 6/16/09  
Database: c:\users\jamie.belkin\desktop\arup\_a66\_211021.dwg RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07, Made by Jamie Belkin on 22-Oct-21

- |                                    |                    |
|------------------------------------|--------------------|
| ■ Glacial Deposits Cohesive (GD-C) | ● NZ10NW14, 3.20m  |
| ■ Topsoil (TOP)                    | ◆ TP SBC018, 1.80m |
| ● BH SBC017, 0.70m                 | ■ TP SBC019, 0.30m |
| ■ BH SBC017, 3.50m                 | ■ TP SBC020, 0.70m |
| ▲ BH SBC018, 0.80m                 | ● TP SBC021, 1.50m |
| ■ BH SBC018, 1.50m                 | ■ TP SBC022, 3.50m |
| ● BH SBC018, 1.50m                 | ● TP SBC023, 1.50m |
| ● BH SBC019, 1.20m                 | ■ TP SBC024, 0.50m |
| ● BH SBC019, 5.00m                 | ● TP SBC025, 0.15m |
| ● NZ10NW10, 0.15m                  | ▲ TP SBC026, 0.50m |
| ■ NZ10NW11, 1.00m                  |                    |
| ▲ NZ10NW11, 3.50m                  |                    |
| ▼ NZ10NW12, 0.80m                  |                    |
| ■ NZ10NW12, 1.30m                  |                    |
| ● NZ10NW14, 2.50m                  |                    |

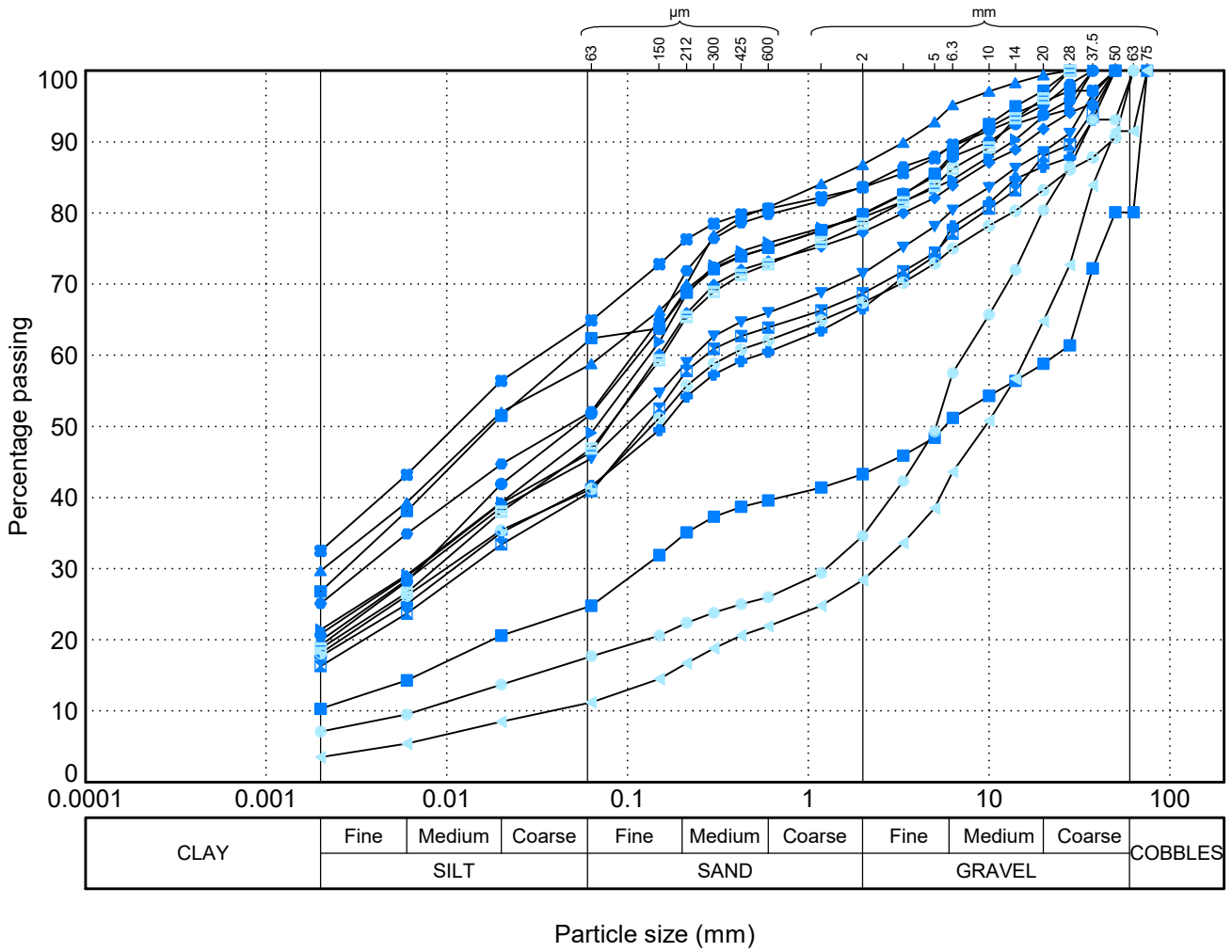
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Plasticity chart  
Section 9.3**

Job No  
**276821**

Figure No  
**S9.3-2**



Library: arup\_wdlib\_4.0-002.2; Report: G10A.00  
Database: C:\users\jamie.belien\desktop\ab6\_211021.gpi RevP1.1 (SO - Work in progress)

1,00

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- BH SBC017, 3.20m
- BH SBC018, 1.50m
- ▲ BH SBC019, 3.50m
- TP SBC018, 1.00m
- TP SBC019, 0.40m
- ▼ TP SBC020, 2.00m
- ⊕ TP SBC021, 3.00m
- TP SBC022, 4.00m
- ▲ TP SBC023, 2.00m
- ▼ TP SBC024, 1.00m
- ⊗ TP SBC024, 2.00m
- TP SBC024, 3.00m
- ⊕ TP SBC025, 2.00m
- ◆ TP SBC026, 1.00m
- TP SBC026, 1.90m

# ARUP

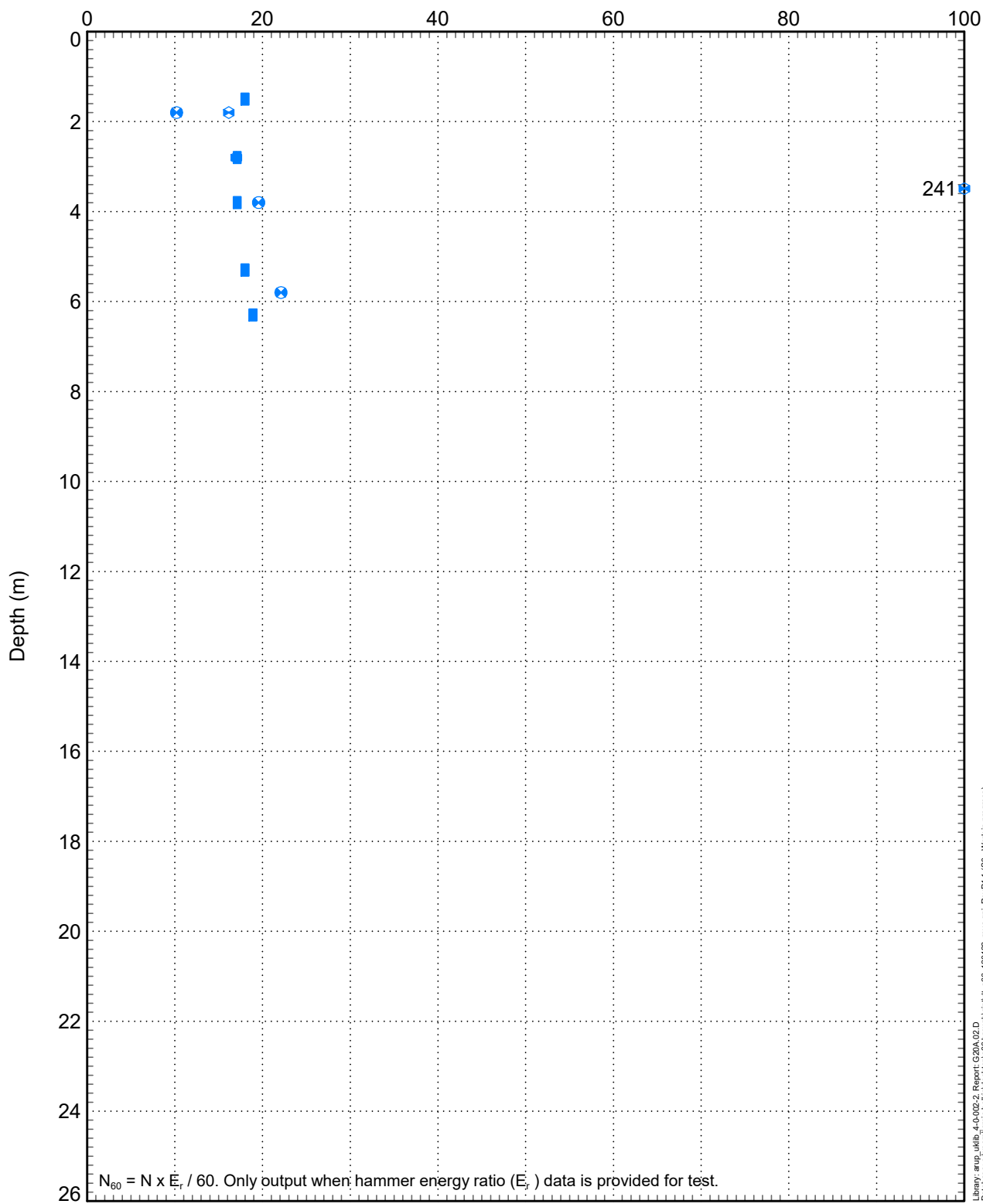
Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
Section 9.3**

Job No  
**276821**

Figure No  
**S9.3-3**

SPT N(60) value,  $N_{60}$



I:\Users\jmb\p018\_404002\_2\_Report\_C20A\03.D  
 Database: c:\users\jmb\p018\desktop\p018\_brought\gm\dat\_ae6\_120122\_rev.aepi Rev:P1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

- Glacial Deposits Cohesive (GD-C)
- ⊗ BH SBC017
- ⊗ BH SBC018
- BH SBC019

# ARUP

Job Title  
A66 NTP

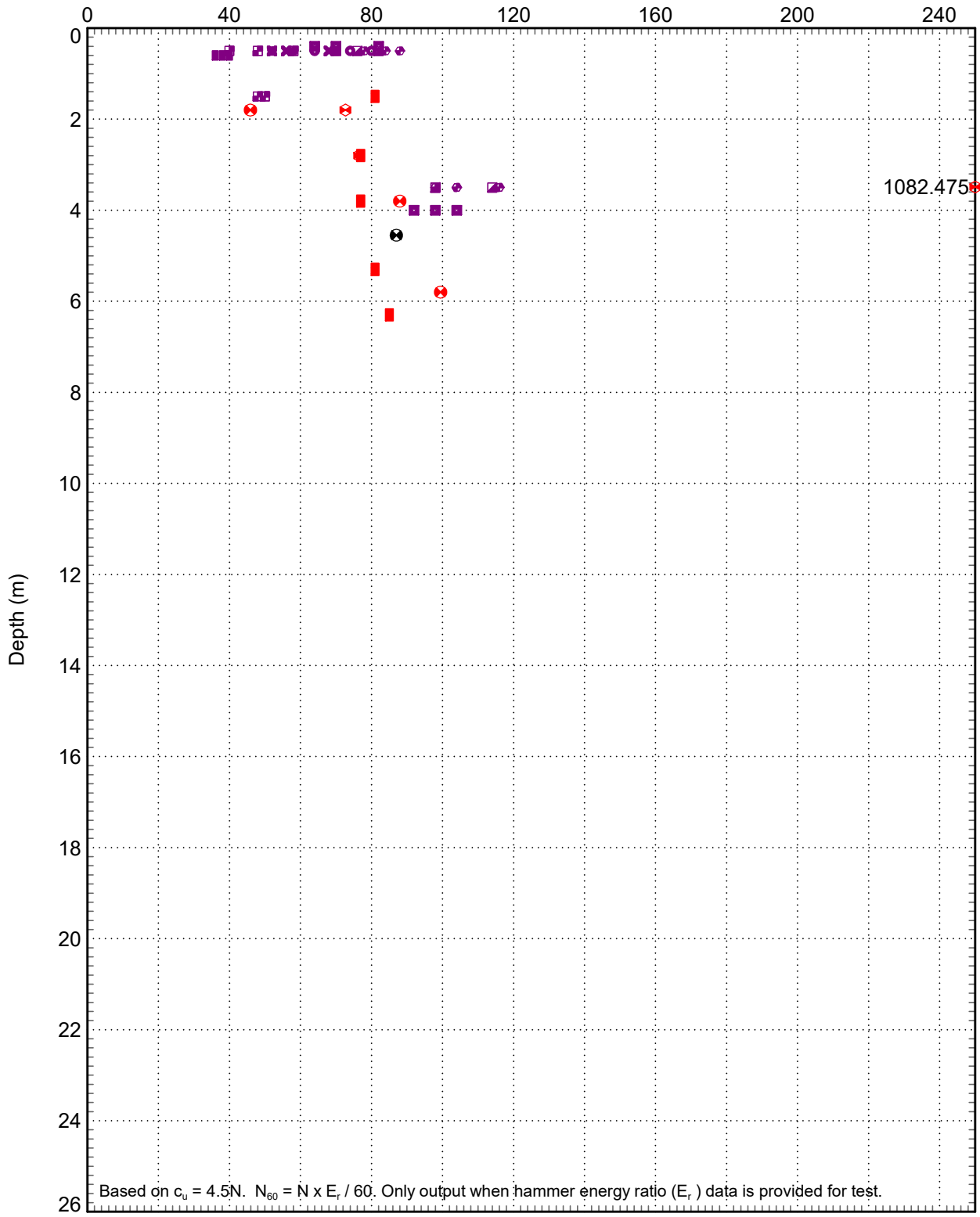
Figure Title  
Standard penetration tests  
Section 9.3

Job No  
**276821**

Figure No  
**S9.3-4**



Undrained shear strength,  $c_u$  (kPa)



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ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test
- ⊗ BH SBC017
- ⊗ BH SBC018
- BH SBC019
- ⊕ TP SBC018
- ⊕ TP SBC019
- TP SBC020
- ▣ TP SBC021
- ⊗ TP SBC024
- ⊕ TP SBC025
- TP SBC026

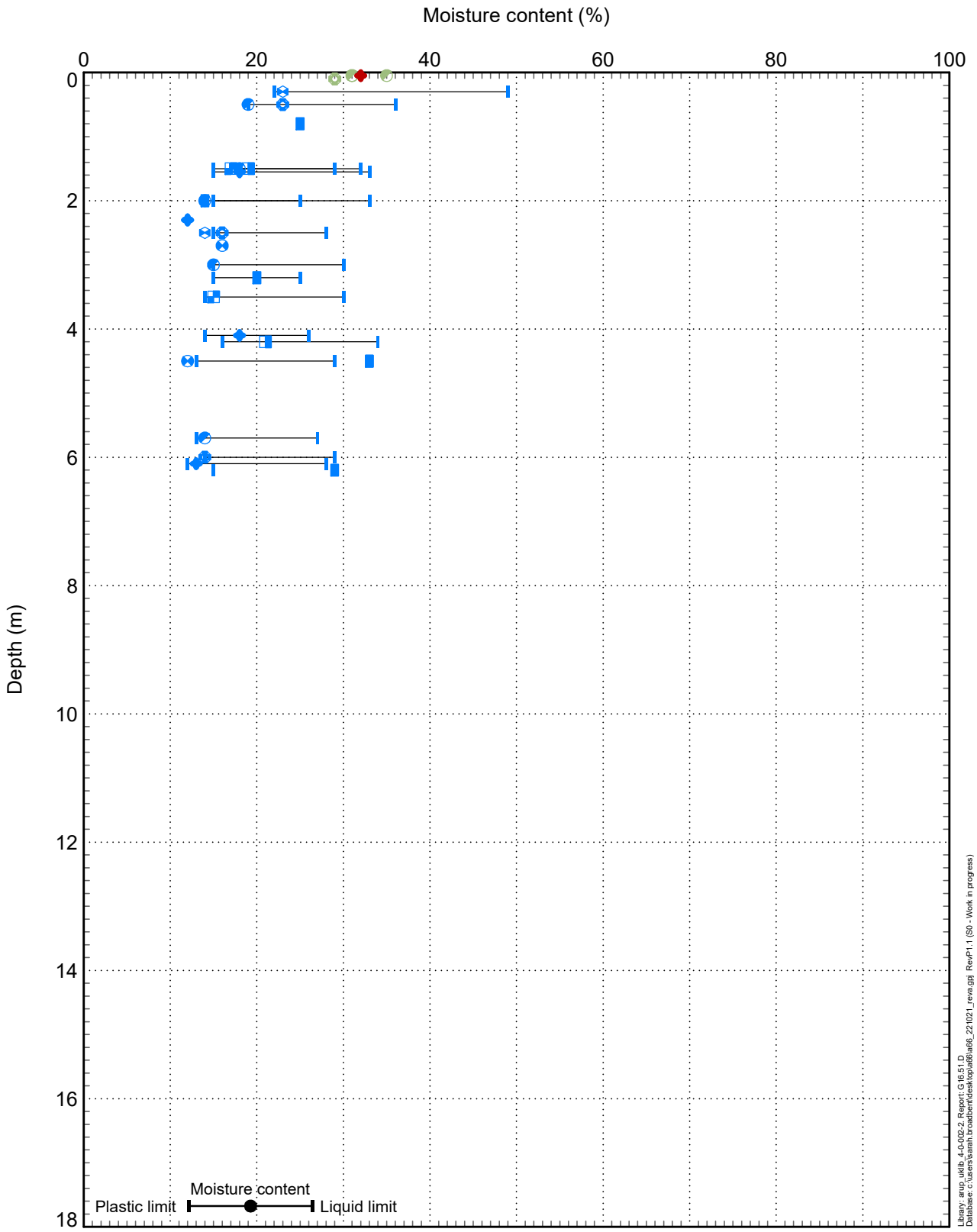
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Job Title  
A66 NTP

Figure Title  
Undrained shear strength  
Section 9.3

Job No  
**276821**

Figure No  
**S9.3-5**



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 Database: c:\users\sarah.broadbent\desktop\p118\66\66\_22\021\_rev01.dwg RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07, Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- Made Ground - Cohesive (MG-C)
- Topsoil (TOP)
- ⊙ BH SBC020
- ⊙ BH SBC021
- ⊙ BH SBC022
- ◆ BH SBC026
- BH SBC024
- ⊙ TP SBC027
- ⊙ TP SBC028
- ⊙ TP SBC029
- ⊙ TP SBC032

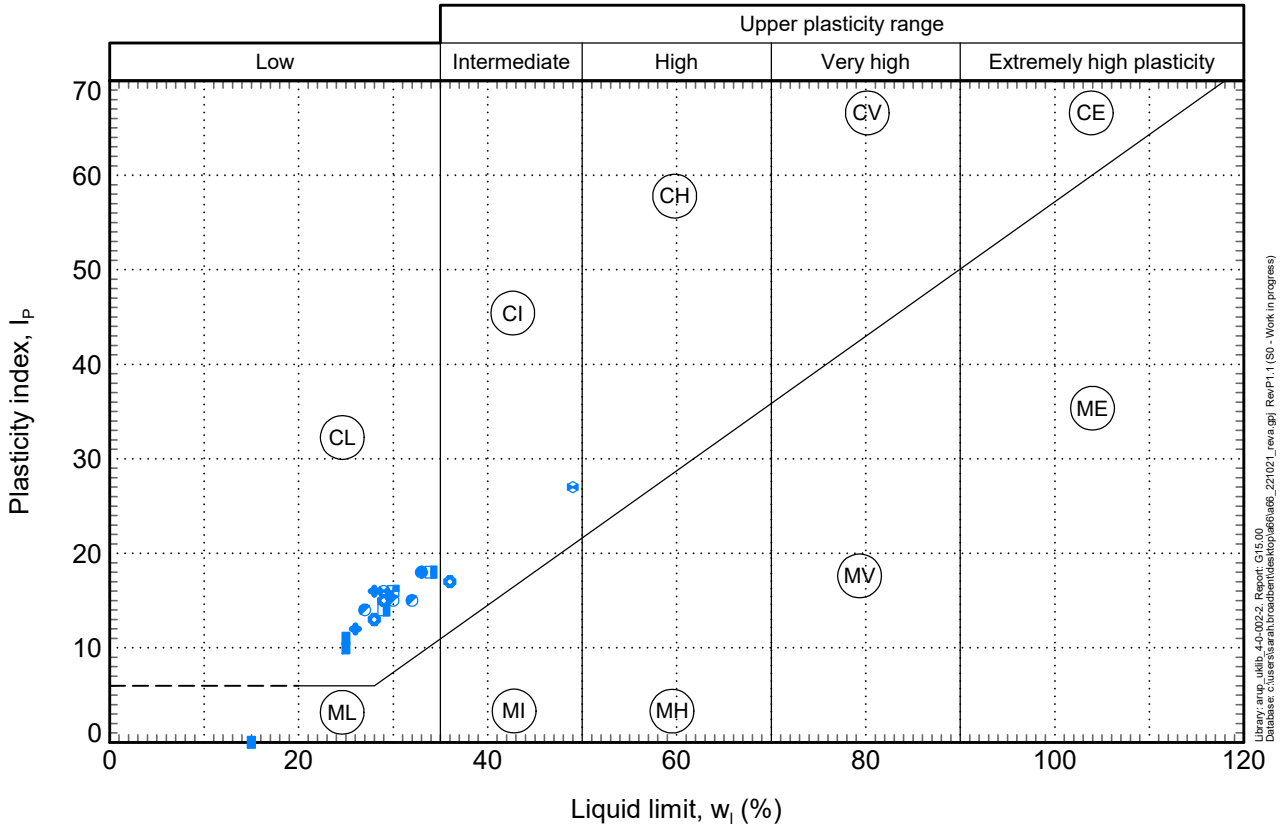
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Job Title  
A66 NTP

Figure Title  
Atterberg limits  
Section 9.4

Job No  
**276821**

Figure No  
**S9.4-1**



Library: \\s0-40-002-3\_R\proj\_615\_00  
 Database: c:\users\sarah\broadbent\desktop\pup\pup66\_221021\_rev0.gpi RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- BH SBC020
- BH SBC021
- BH SBC022
- ◆ BH SBC026
- BH SBC024
- TP SBC027
- TP SBC028
- TP SBC029
- TP SBC032

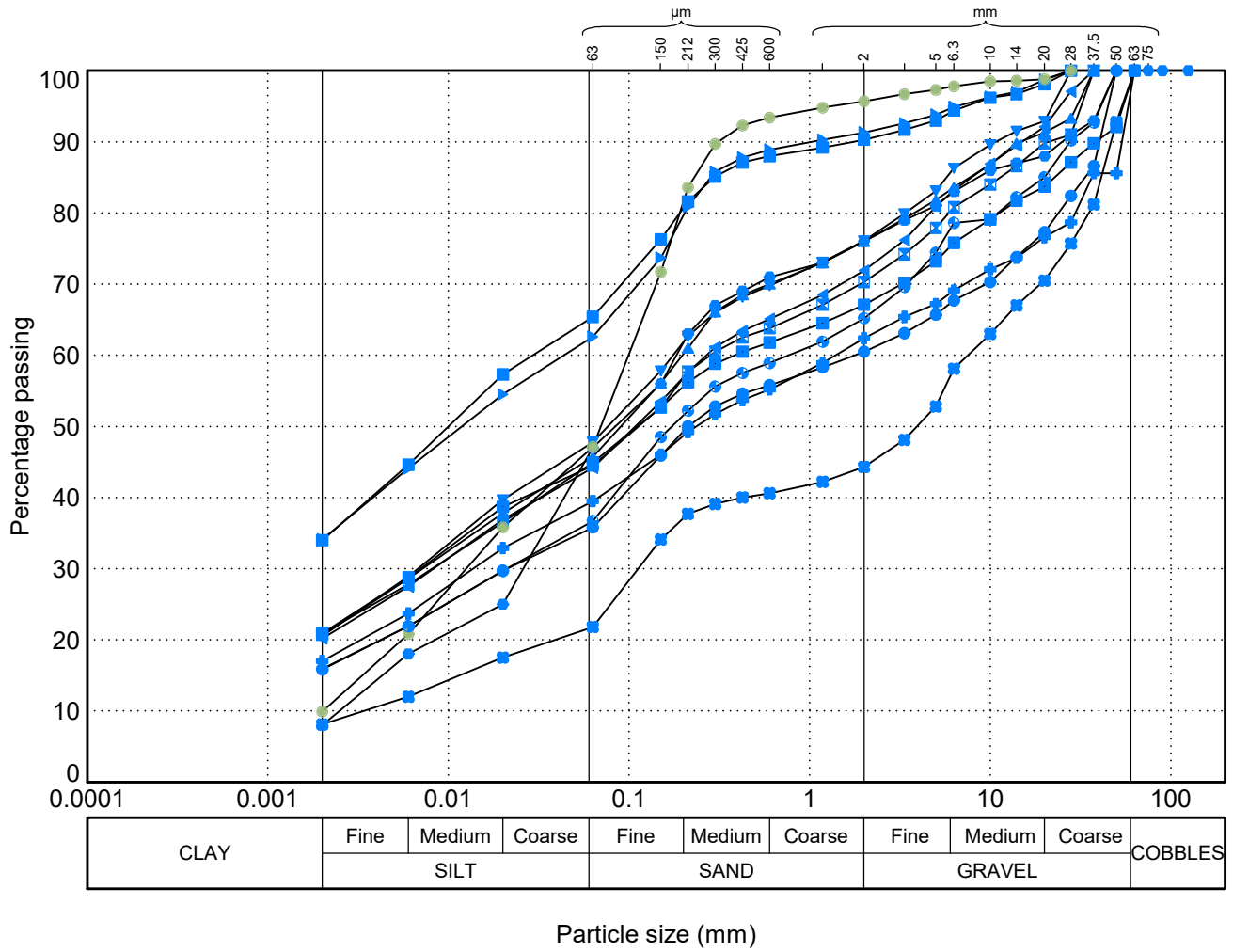
# ARUP

Job Title  
A66 NTP

Figure Title  
Plasticity chart  
Section 9.4

Job No  
**276821**

Figure No  
**S9.4-2**



Library: arup\_wdhl\_4-0-002-2\_Report\_G10A.00  
 Database: C:\Users\sarah.broadbent\desktop\666\_221021\_rev\fig1 RevP1.1 (S0 - Work in progress)

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ARUP\_gINT v10.00.01.07. Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- Topsoil (TOP)
- BH SBC020, 4.00m
- BH SBC021, 0.35m
- ▲ BH SBC022, 3.50m
- BH SBC026, 2.85m
- BH SBC024, 4.50m
- ▼ TP SBC027, 3.00m
- TP SBC027, 4.00m
- TP SBC028, 2.00m
- ▲ TP SBC028, 4.00m
- ▼ TP SBC029, 0.30m
- TP SBC029, 2.00m
- TP SBC032, 0.20m
- TP SBC032, 2.00m

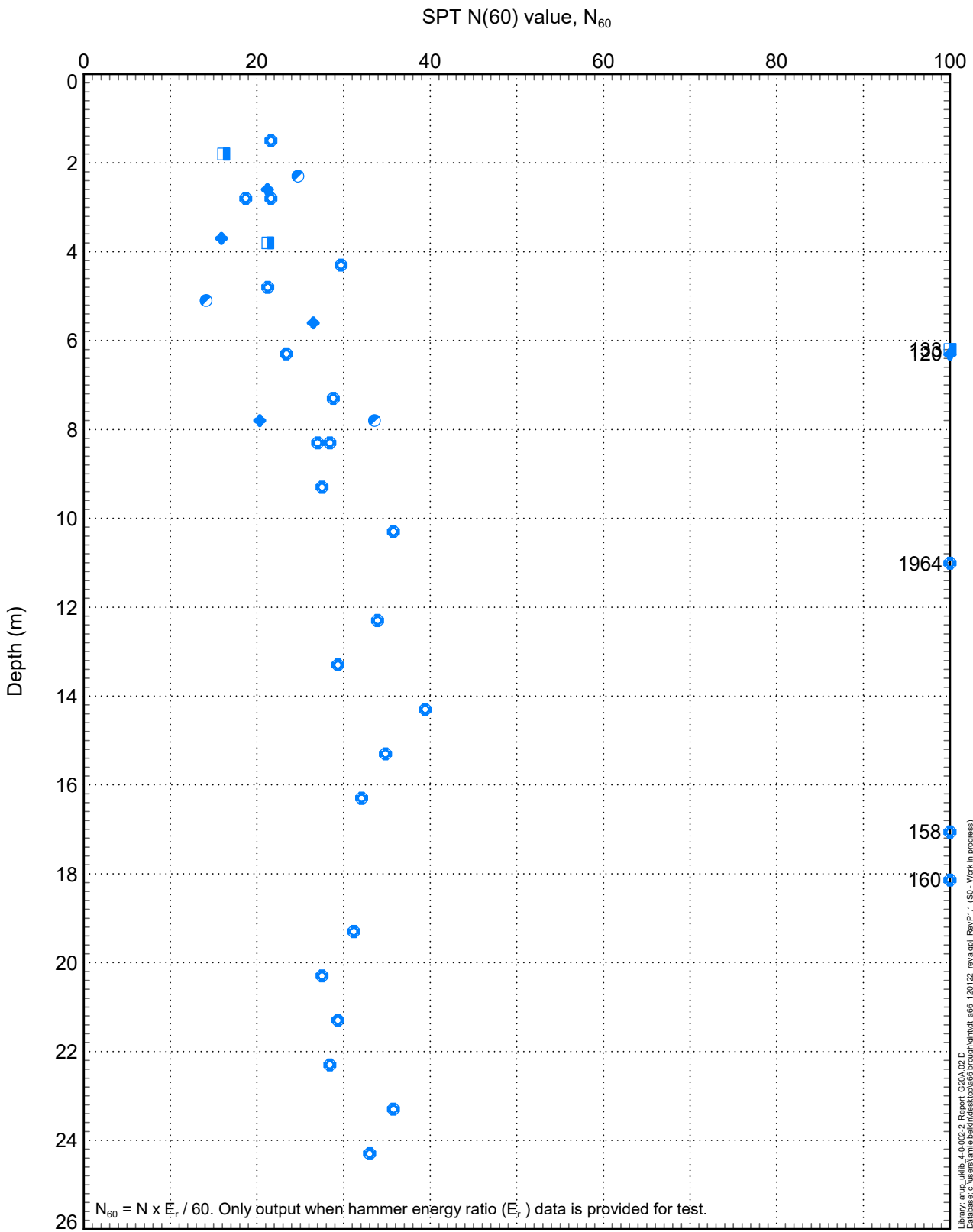
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Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
 Section 9.4**

Job No  
**276821**

Figure No  
**S9.4-3**



ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

- Glacial Deposits Cohesive (GD-C)
- BH SBC020
- BH SBC021
- BH SBC022
- ◆ BH SBC026
- BH SBC024

# ARUP

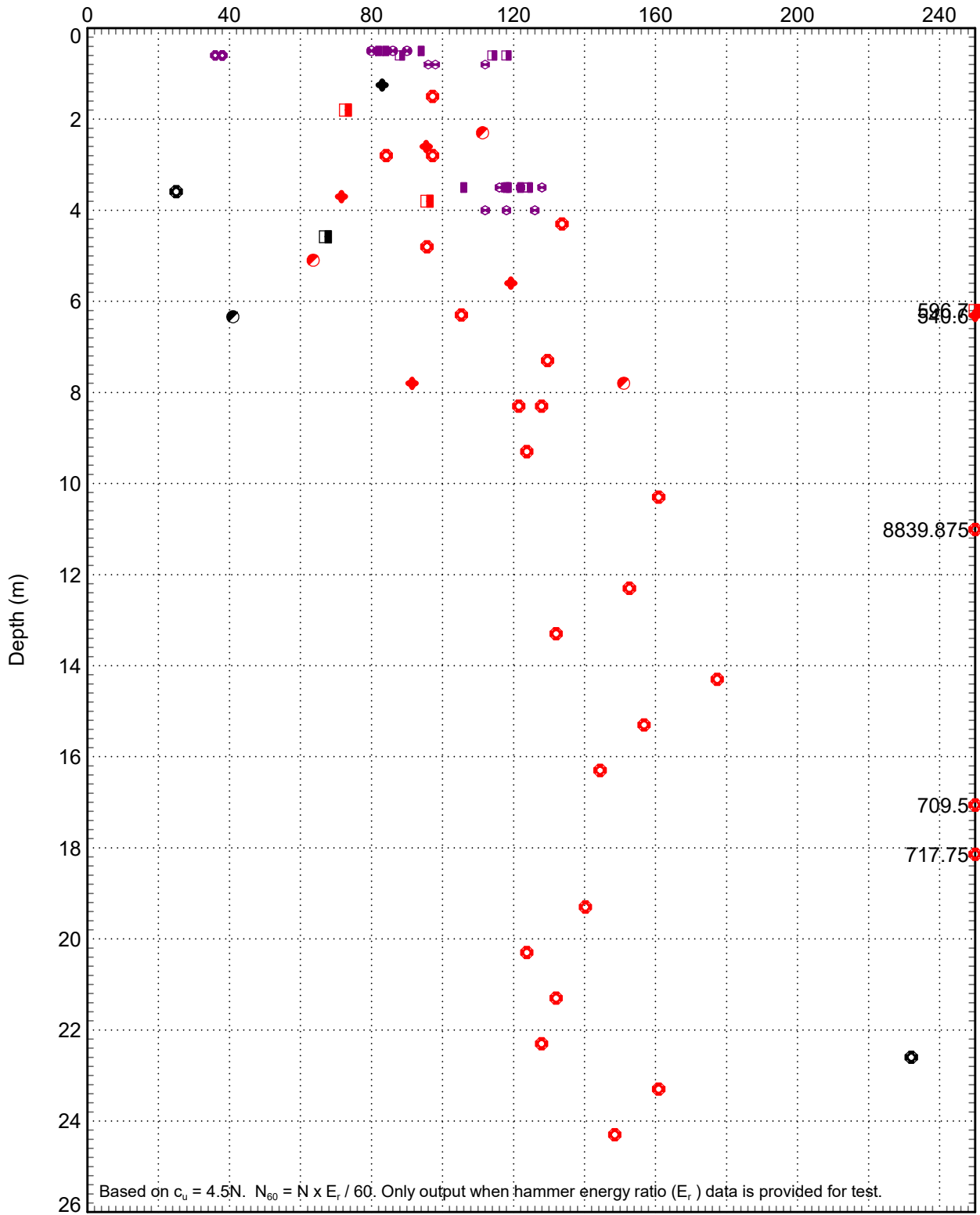
Job Title  
**A66 NTP**

Figure Title  
**Standard penetration tests  
Section 9.4**

Job No  
**276821**

Figure No  
**S9.4-4**

Undrained shear strength,  $c_u$  (kPa)



I:\Users\jmb\p018\_44-002-01\_Riser\CS1-20x12\01-D...  
 Database: c:\users\jmb\p018\desktop\p018\fig\dat\_a66\_120122\_rev.aopli Rev:P1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test
- BH SBC020
- BH SBC021
- BH SBC022
- ◆ BH SBC026
- BH SBC024
- TP SBC027
- TP SBC028
- TP SBC029
- TP SBC032

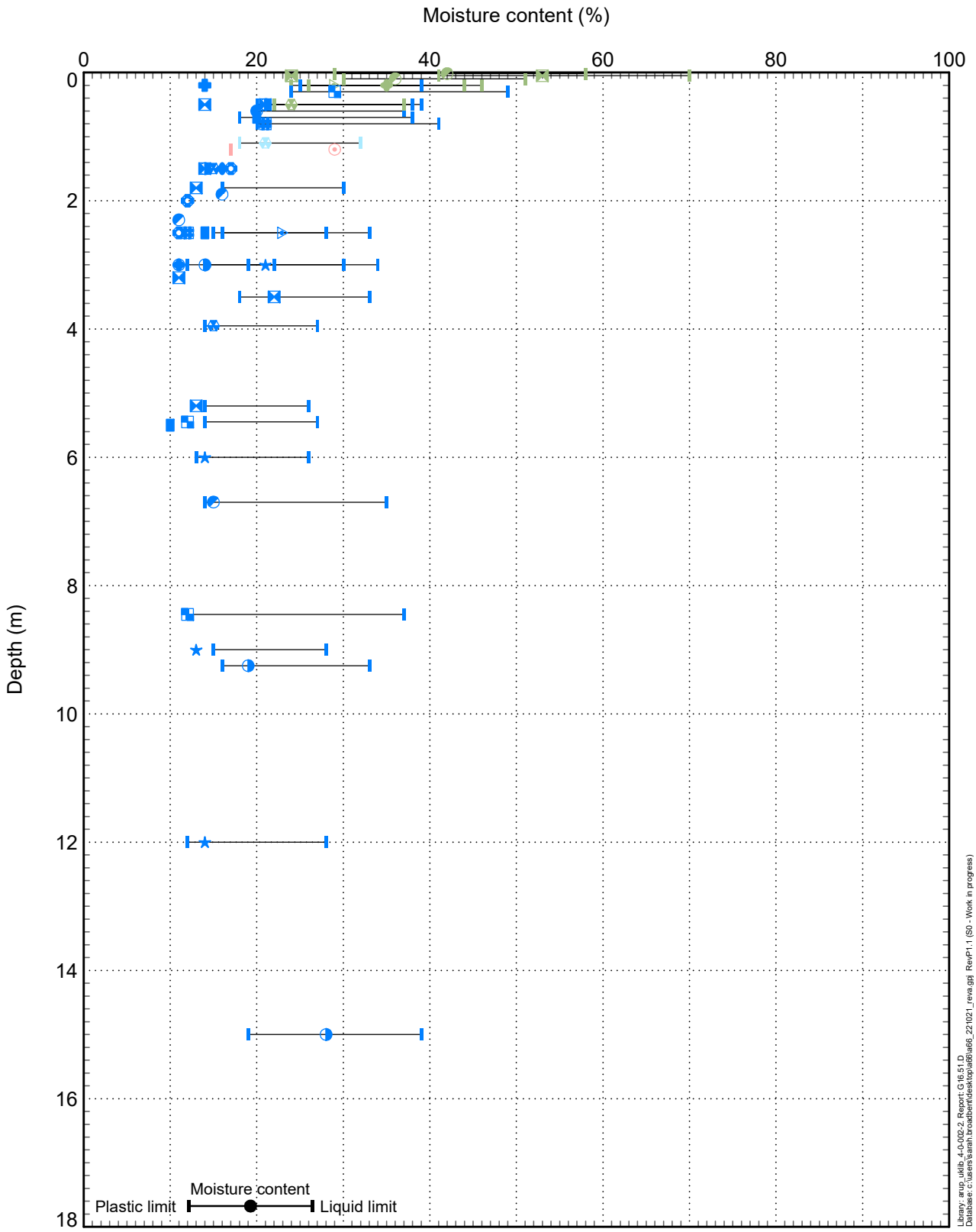
# ARUP

Job Title  
A66 NTP

Figure Title  
Undrained shear strength  
Section 9.4

Job No  
**276821**

Figure No  
**S9.4-5**



\\nasr-arup-uk\fs\_40\002-2\_Report\_G\6.5\1.D  
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ARUP\_gINT v10.00.01.07, Made by Sarah Broadbent on 12-Nov-21

- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC023A
- BH SBC027
- BH SBC028
- ▼ BH SBC029
- BH SBC030
- ★ BH SBC031
- BH SBC032
- BH SBC032A

- NZ10NE15
- BH SBC025
- TP SBC030
- TP SBC031
- TP SBC033
- TP SBC034
- ◆ TP SBC035
- TP SBC036
- TP SBC038
- TP SBC042

# ARUP

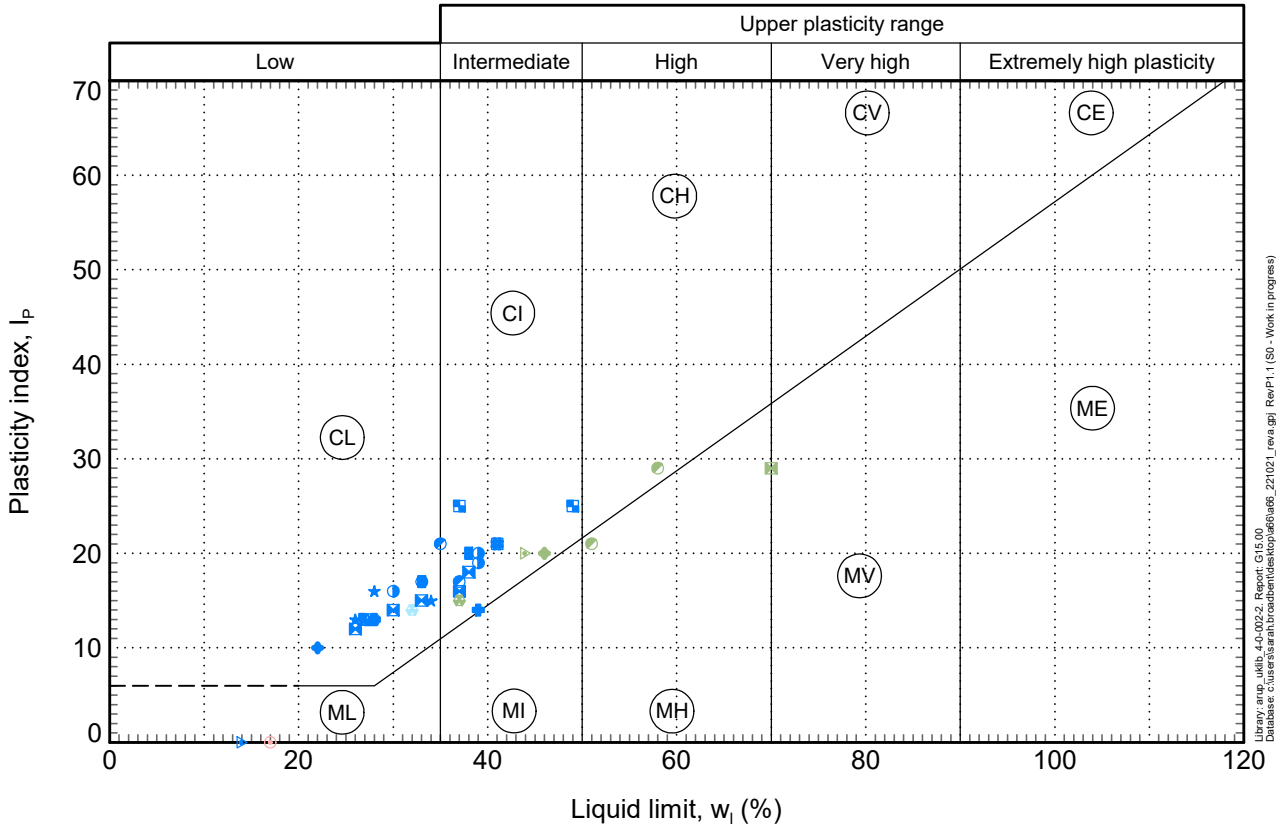
Job Title  
**A66 NTP**

Figure Title  
**Atterberg limits  
 Section 9.5**

Job No  
**276821**

Figure No  
**S9.5-1**





Library: \\s01\arup\arup\broadsheet\desktop\p06\66\_221021\_rev0.gpi RevP1.1 (S0 - Work in progress)  
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ARUP\_gINT v10.00.01.07. Made by Sarah Broadbent on 12-Nov-21

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>■ Made Ground - Granular (MG-G)</li> <li>■ Glacial Deposits Cohesive (GD-C)</li> <li>■ Glacial Deposits Granular (GD-G)</li> <li>■ Topsoil (TOP)</li> <li>● BH SBC023A</li> <li>■ BH SBC027</li> <li>◆ BH SBC028</li> <li>▽ BH SBC029</li> <li>■ BH SBC030</li> <li>★ BH SBC031</li> <li>○ BH SBC032</li> <li>■ BH SBC032A</li> </ul> | <ul style="list-style-type: none"> <li>◆ NZ10NE15</li> <li>○ BH SBC025</li> <li>○ TP SBC030</li> <li>○ TP SBC031</li> <li>■ TP SBC033</li> <li>○ TP SBC034</li> <li>◆ TP SBC035</li> <li>■ TP SBC036</li> <li>◆ TP SBC038</li> <li>■ TP SBC042</li> </ul> |
|--|---|

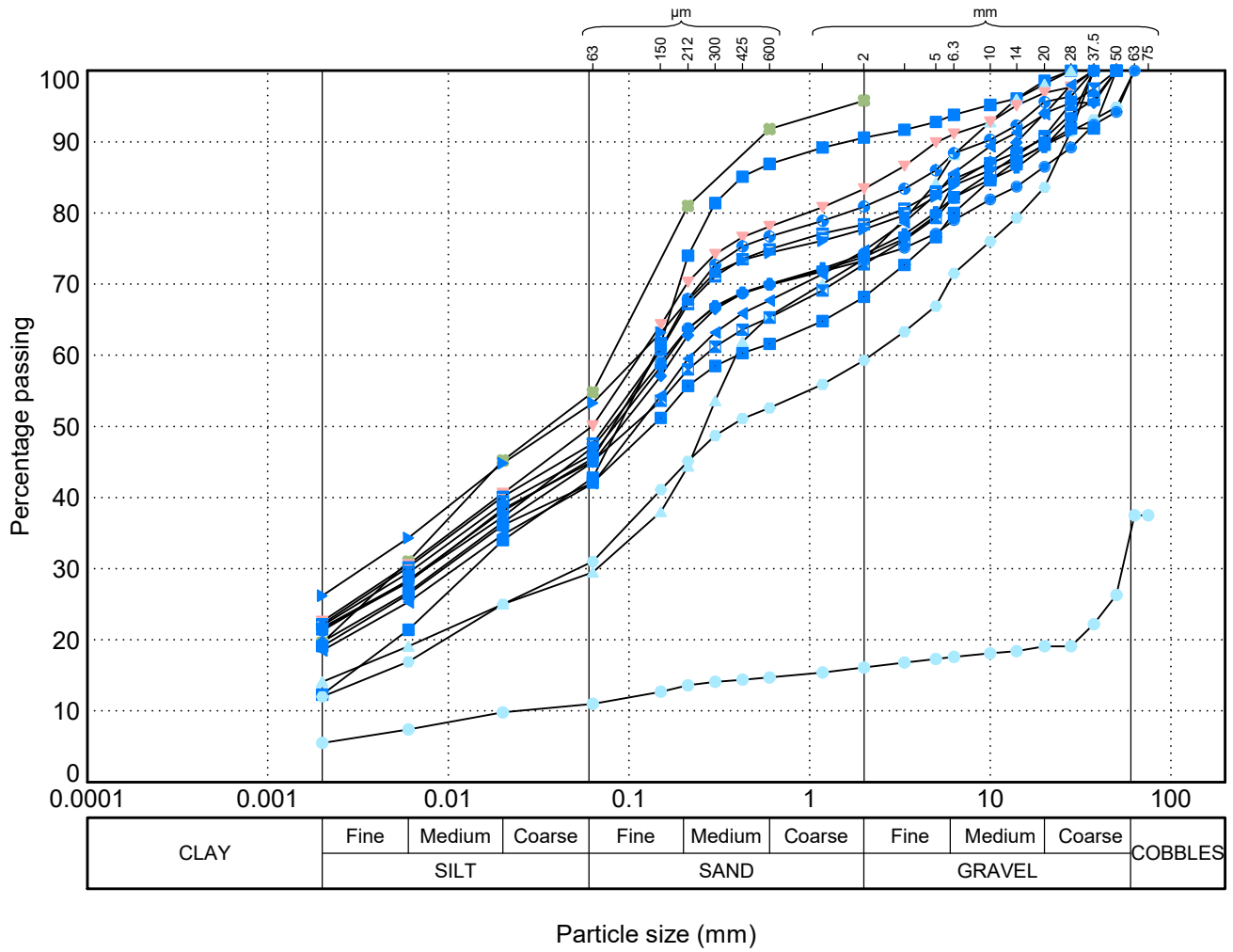
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Plasticity chart  
Section 9.5**

Job No  
**276821**

Figure No  
**S9.5-2**



Library: arup\_wdhl\_4-0-002-2; Report: G10A.00  
Database: C:\Users\sarah.broadbent\desktop\666\_221021\_rev\fig1 RevP1.1 (S0 - Work in progress)

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ARUP\_gINT v10.00.01.07; Made by Sarah Broadbent on 12-Nov-21

- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC023A, 8.00m
- BH SBC027, 0.50m
- ▲ BH SBC028, 0.90m
- BH SBC029, 0.20m
- BH SBC031, 5.00m
- ▼ BH SBC032, 1.00m
- BH SBC032A, 9.50m
- BH SBC025, 2.30m
- ▲ TP SBC030, 3.00m
- ▼ TP SBC031, 0.80m
- TP SBC031, 3.00m
- TP SBC033, 1.00m
- TP SBC034, 0.70m
- ◆ TP SBC035, 1.80m
- TP SBC038, 1.00m

# ARUP

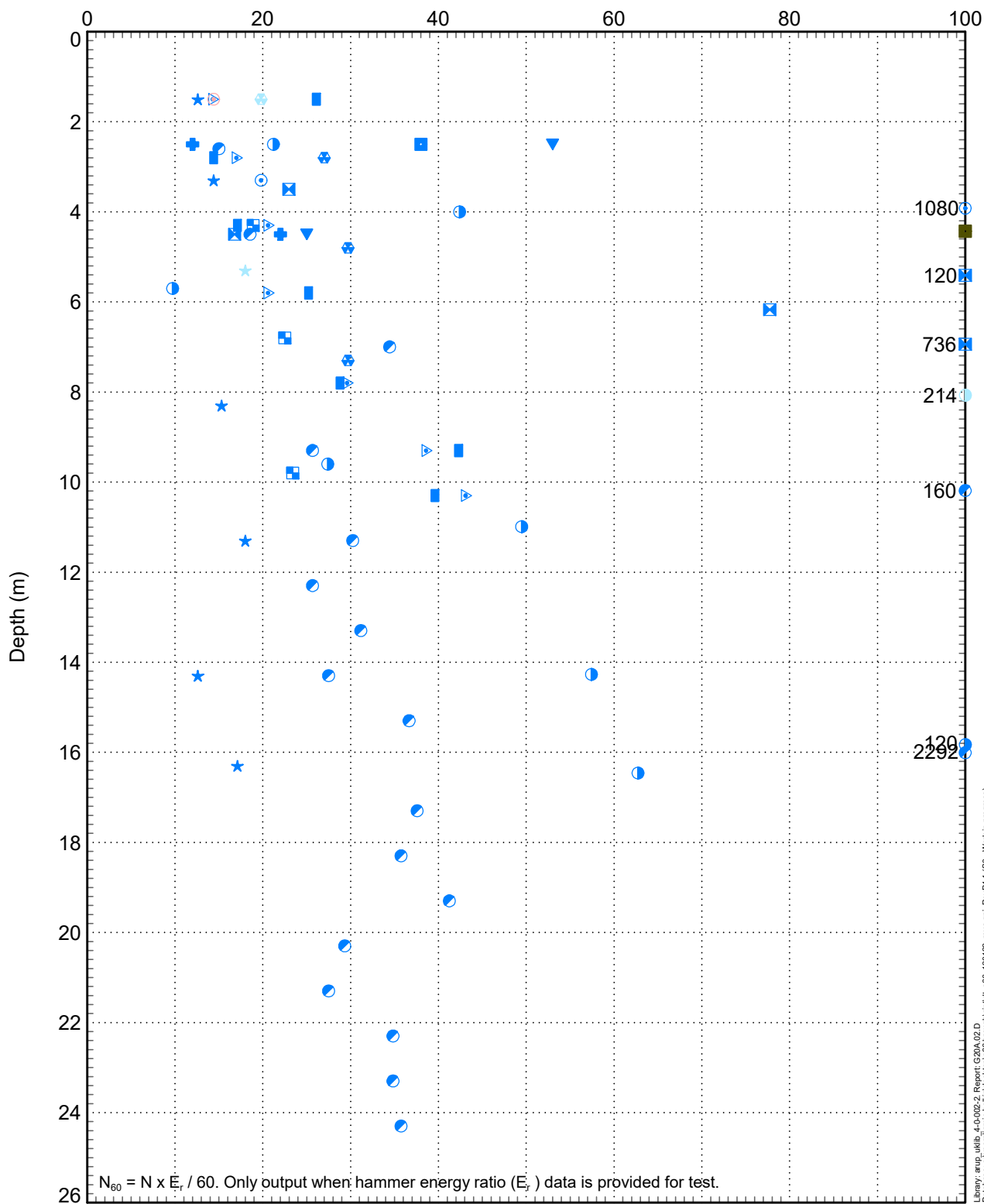
Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
Section 9.5**

Job No  
**276821**

Figure No  
**S9.5-3**

SPT N(60) value,  $N_{60}$



\\nasr-arup-uk\fs\_4\0\002\_2\_Report\_C90A\03.D  
Database: c:\users\jamie.belkin\desktop\ap66\_brough\gm\dat\_ap66\_120122\_rev.aop\ RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

- Sandstone (RK-Sdst)
- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- BH SBC023A
- ⊠ BH SBC027
- ⊕ BH SBC028
- ▽ BH SBC029
- BH SBC030
- ★ BH SBC031
- ⊙ BH SBC032
- BH SBC032A
- ▼ NZ10NE14
- ⊕ NZ10NE15
- NZ10NE19
- BH SBC025

# ARUP

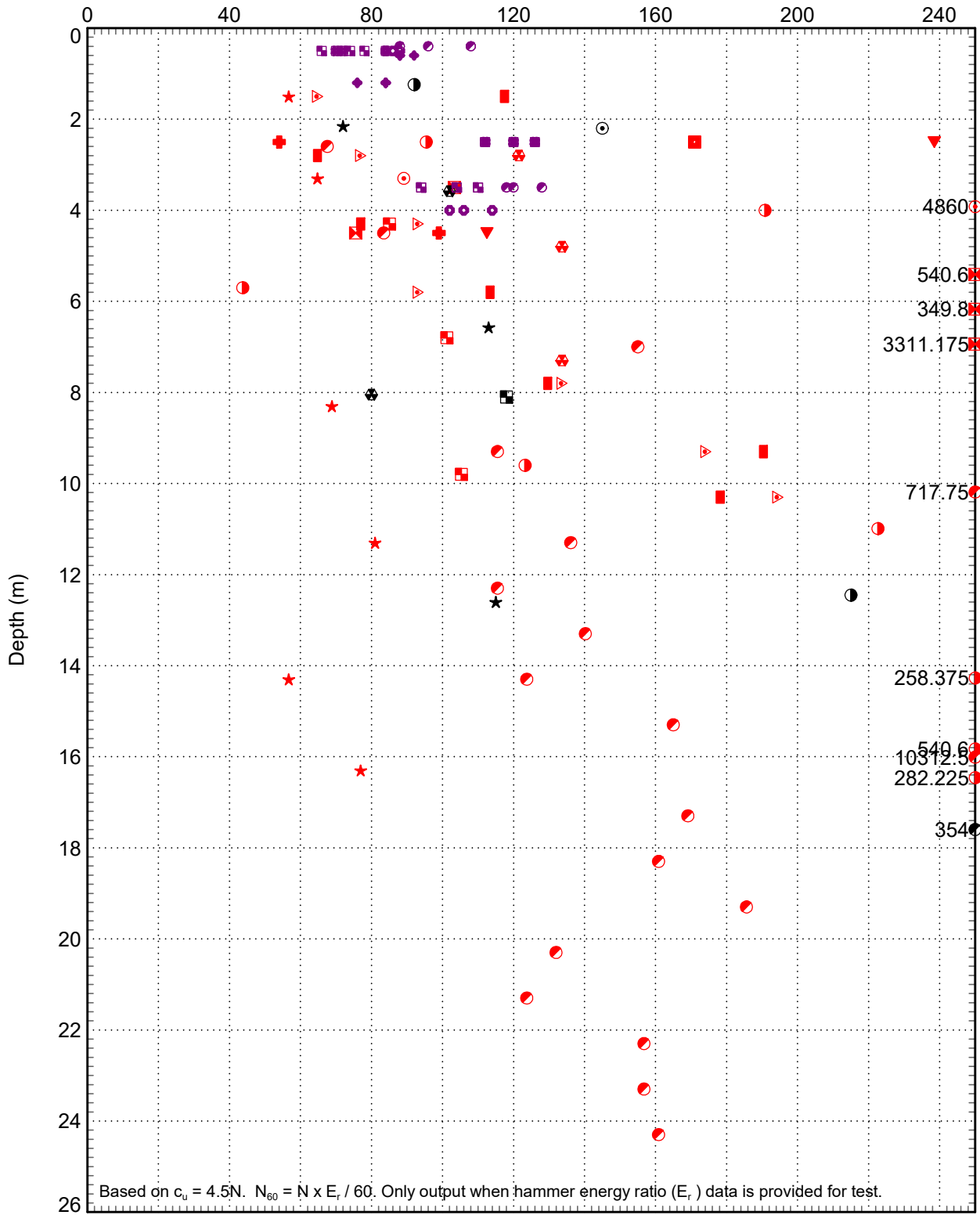
Job Title  
A66 NTP

Figure Title  
Standard penetration tests  
Section 9.5

Job No  
276821

Figure No  
S9.5-4

Undrained shear strength,  $c_u$  (kPa)



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ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test
- BH SBC023A
- BH SBC027
- BH SBC028
- ▼ BH SBC029
- BH SBC030
- ★ BH SBC031
- BH SBC032
- BH SBC032A
- ▼ NZ10NE14
- NZ10NE15
- NZ10NE19
- BH SBC025
- TP SBC030
- TP SBC031
- TP SBC033
- TP SBC035
- TP SBC042

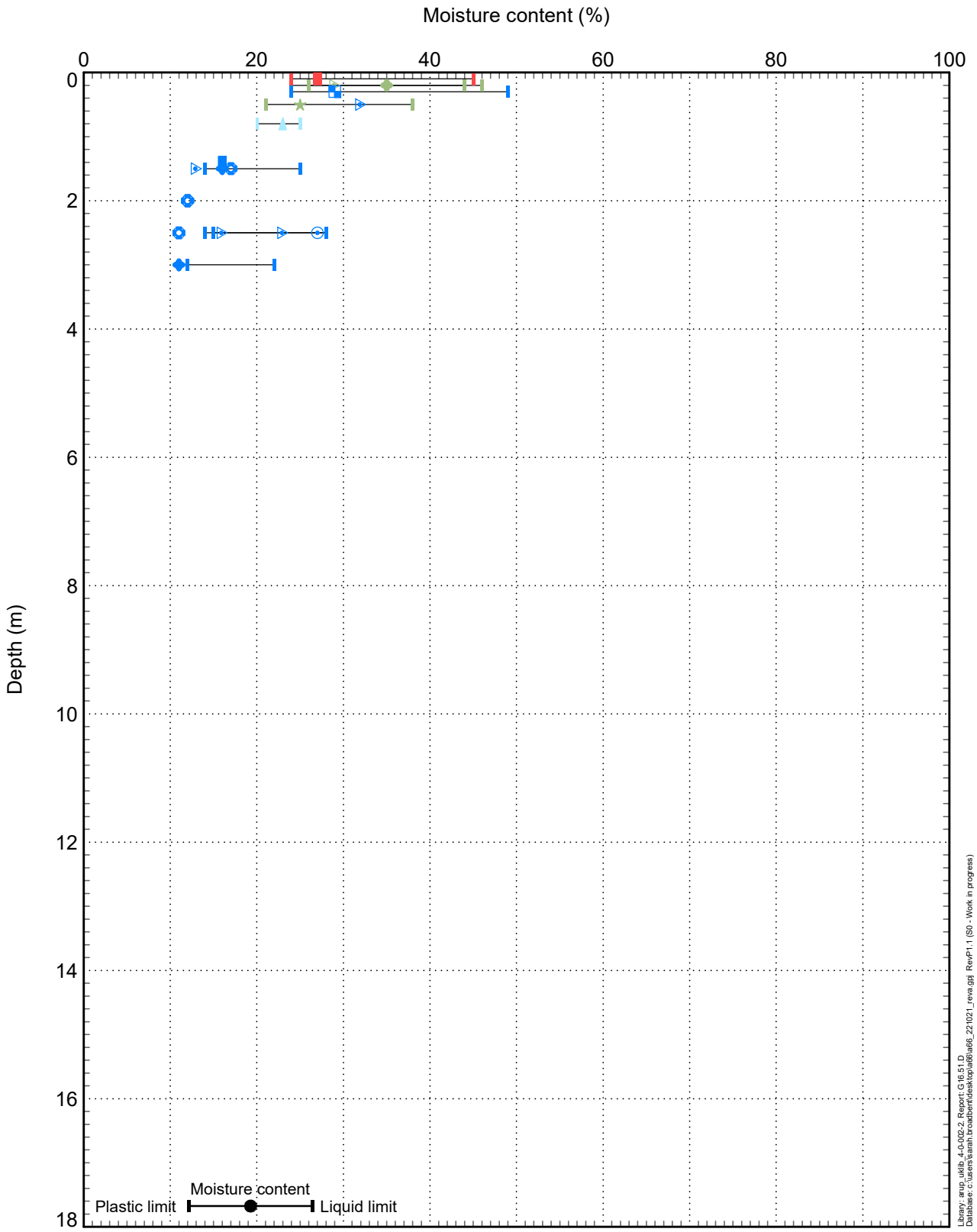
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Undrained shear strength  
Section 9.5**

Job No  
**276821**

Figure No  
**S9.5-5**



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ARUP\_gINT v10.00.01.07, Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- Made Ground (MG)
- ▽ BH SBC029
- TP SBC030
- ◆ TP SBC035
- ▽ TP SBC039
- TP SBC040
- ★ TP SBC041
- ⊙ TP SBC041A
- TP SBC042
- ▲ TP SBC044

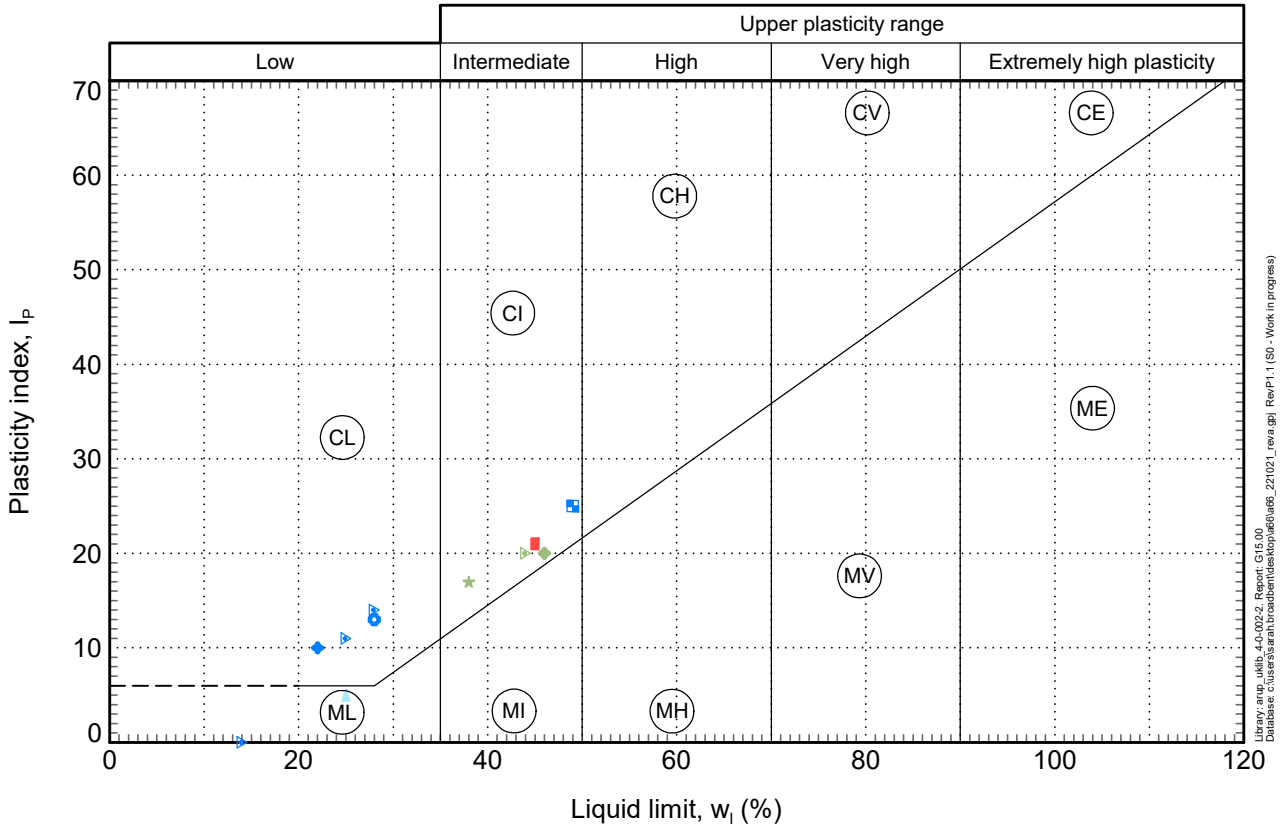
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Atterberg limits  
 Section 9.6**

Job No  
**276821**

Figure No  
**S9.6-1**



Library: \\s01\arup\broadsheet\desktop\pup\pup66\_221021\_rev0.gpi RevP1.1 (S0 - Work in progress)  
 Database: \\s01\arup\broadsheet\desktop\pup\pup66\_221021\_rev0.gpi RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- Made Ground (MG)
- ▼ BH SBC029
- TP SBC030
- ◆ TP SBC035
- ▼ TP SBC039
- TP SBC040
- ★ TP SBC041
- TP SBC042
- ▲ TP SBC044

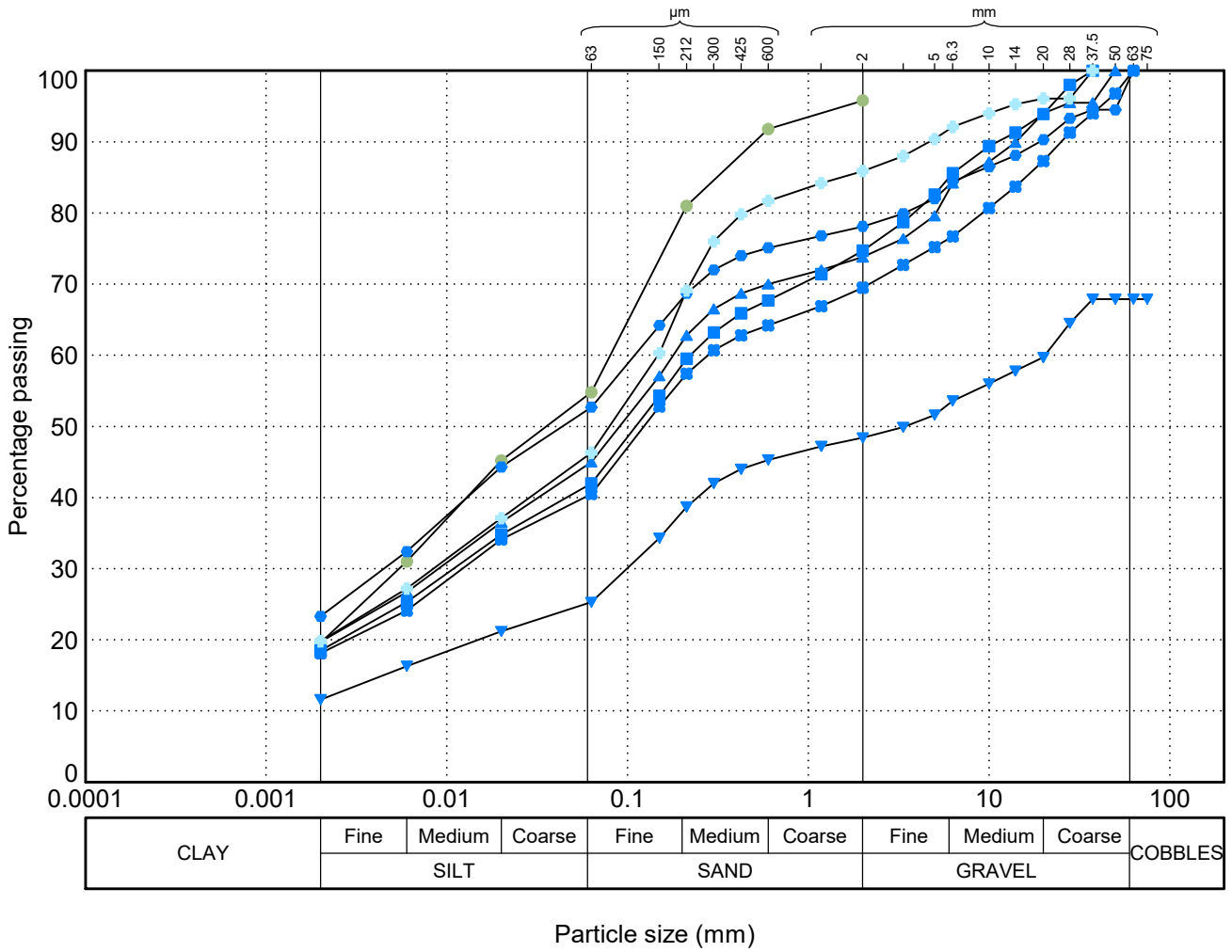
# ARUP

Job Title  
A66 NTP

Figure Title  
Plasticity chart  
Section 9.6

Job No  
**276821**

Figure No  
**S9.6-2**



Library: arup\_wdhl\_4-0-002-2\_Report: G10A.00  
 Database: C:\Users\sarah.broadbent\desktop\6666\_221021\_rev\fig1 RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Sarah Broadbent on 12-Nov-21

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- BH SBC029, 0.20m
- TP SBC030, 3.00m
- ▲ TP SBC035, 1.80m
- TP SBC039, 1.00m
- TP SBC040, 0.80m
- ▼ TP SBC041A, 2.00m
- TP SBC044, 1.50m

# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution  
 Section 9.6**

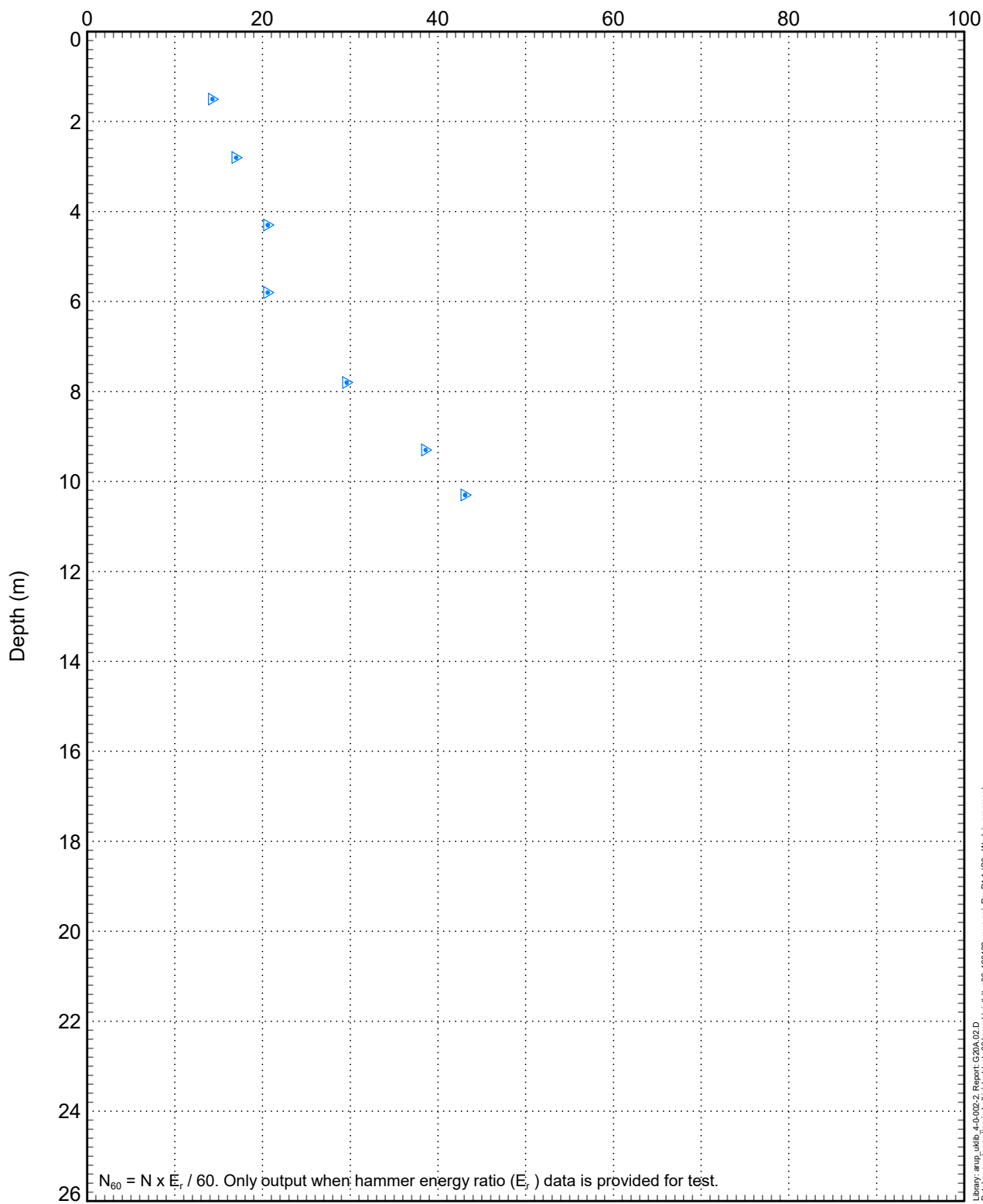
Job No  
**276821**

Figure No  
**S9.6-3**

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SPT N(60) value,  $N_{60}$



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 Database: c:\users\jgm\public\desktop\ap66.brough\gm\dat\_a66\_120122\_rev.aepi Rev:P1.1 (SO - Work in progress)

- Glacial Deposits Cohesive (GD-C)
- ▼ BH SBC029

# ARUP

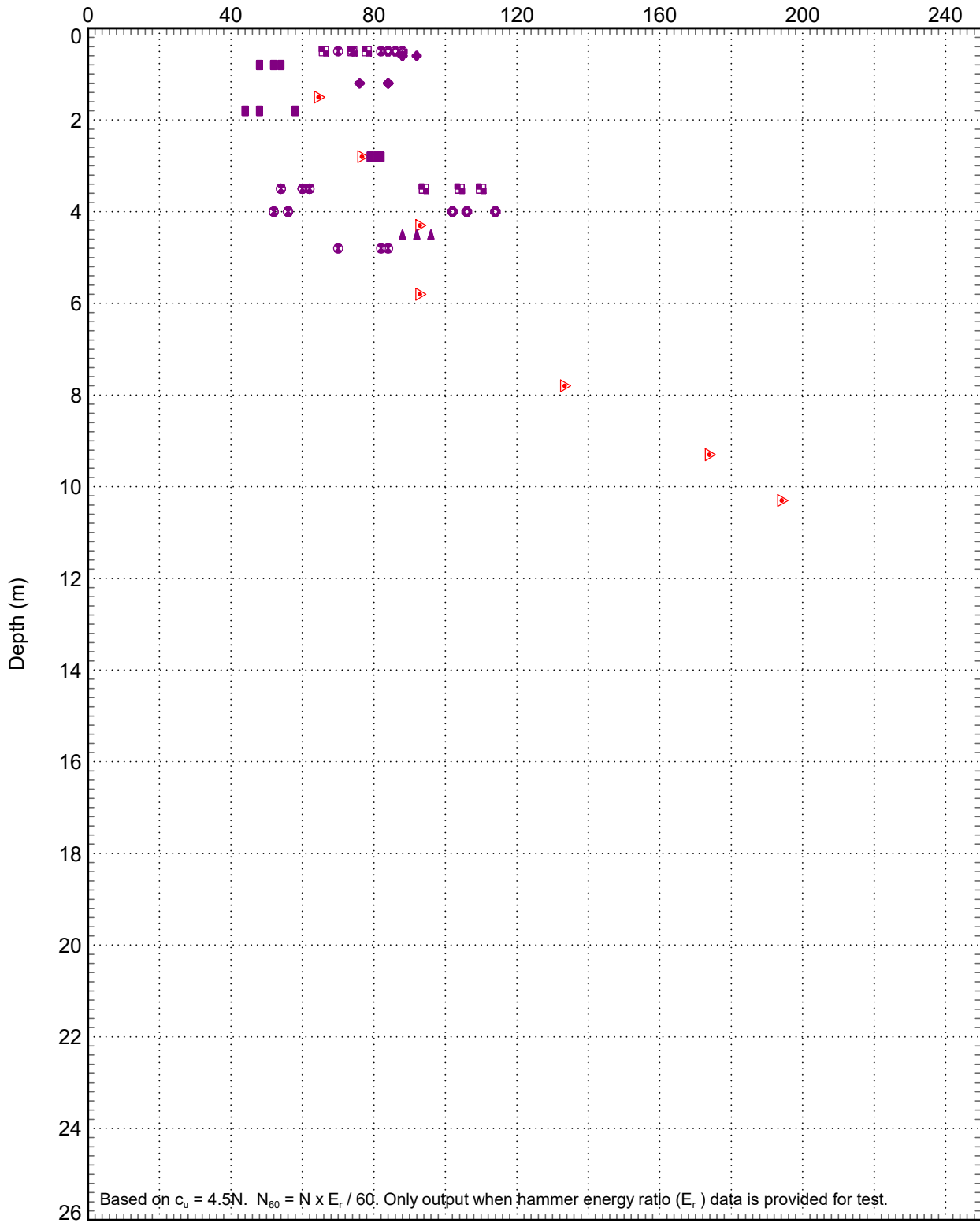
Job Title  
**A66 NTP**

Figure Title  
**Standard penetration tests  
Section 9.6**

Job No  
**276821**

Figure No  
**S9.6-4**

Undrained shear strength,  $c_u$  (kPa)



\\nas01\proj\18\_44\202\01\_Riser\CS1\906\12\01\_D  
Database: c:\ases\jamie.belkin\desktop\A66\Brough\fig\dat\_a66\_120122\_rev.aop\ Rev:P1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test
- ▽ BH SBC029
- ⊙ TP SBC030
- ◆ TP SBC035
- TP SBC040
- TP SBC042
- ⊙ TP SBC043
- ▲ TP SBC044

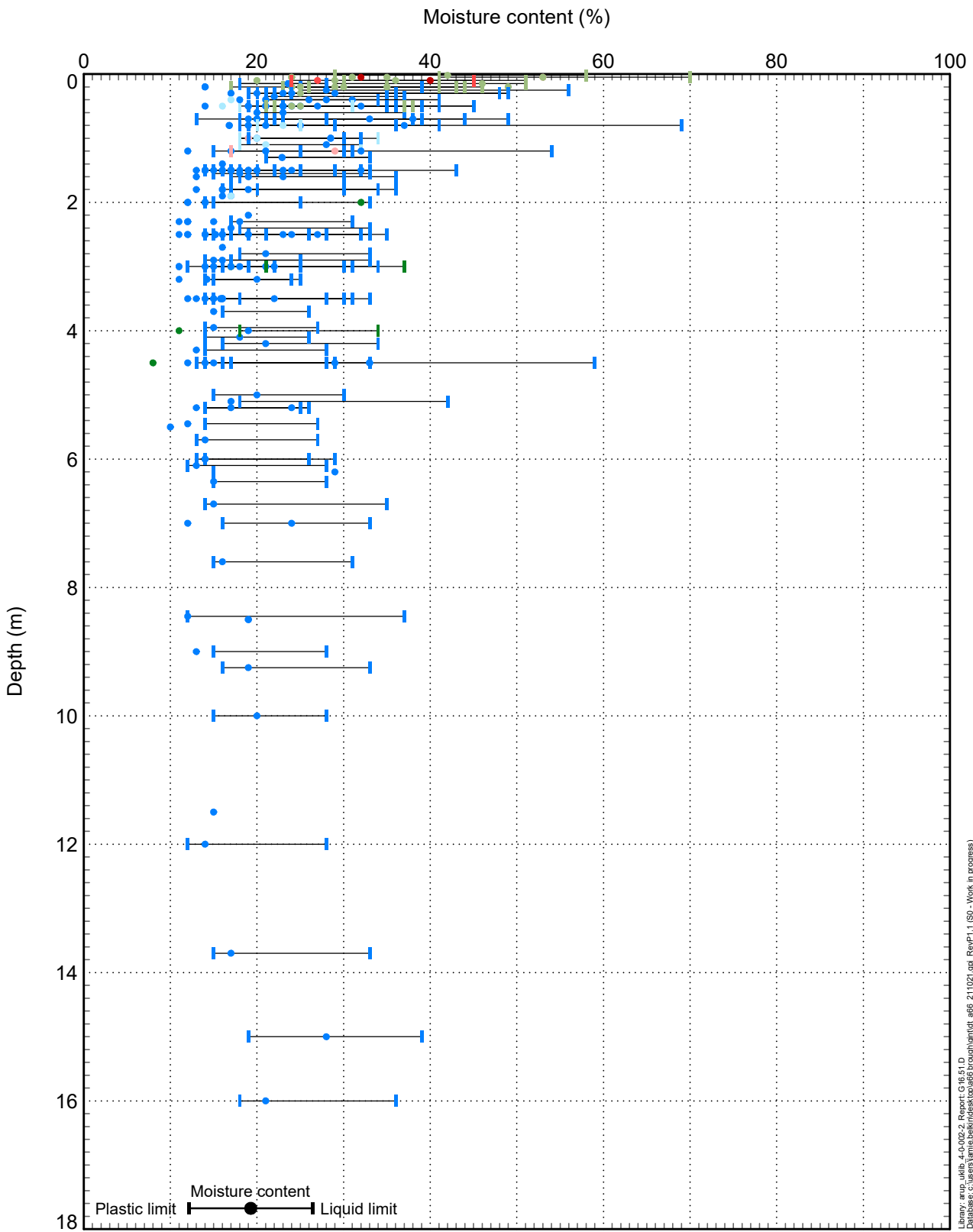
**ARUP**

Job Title  
A66 NTP

Figure Title  
Undrained shear strength  
Section 9.6

Job No  
276821

Figure No  
S9.6-5



ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Mudstone (RK-Mdst)
- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Made Ground - Cohesive (MG-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- Made Ground (MG)

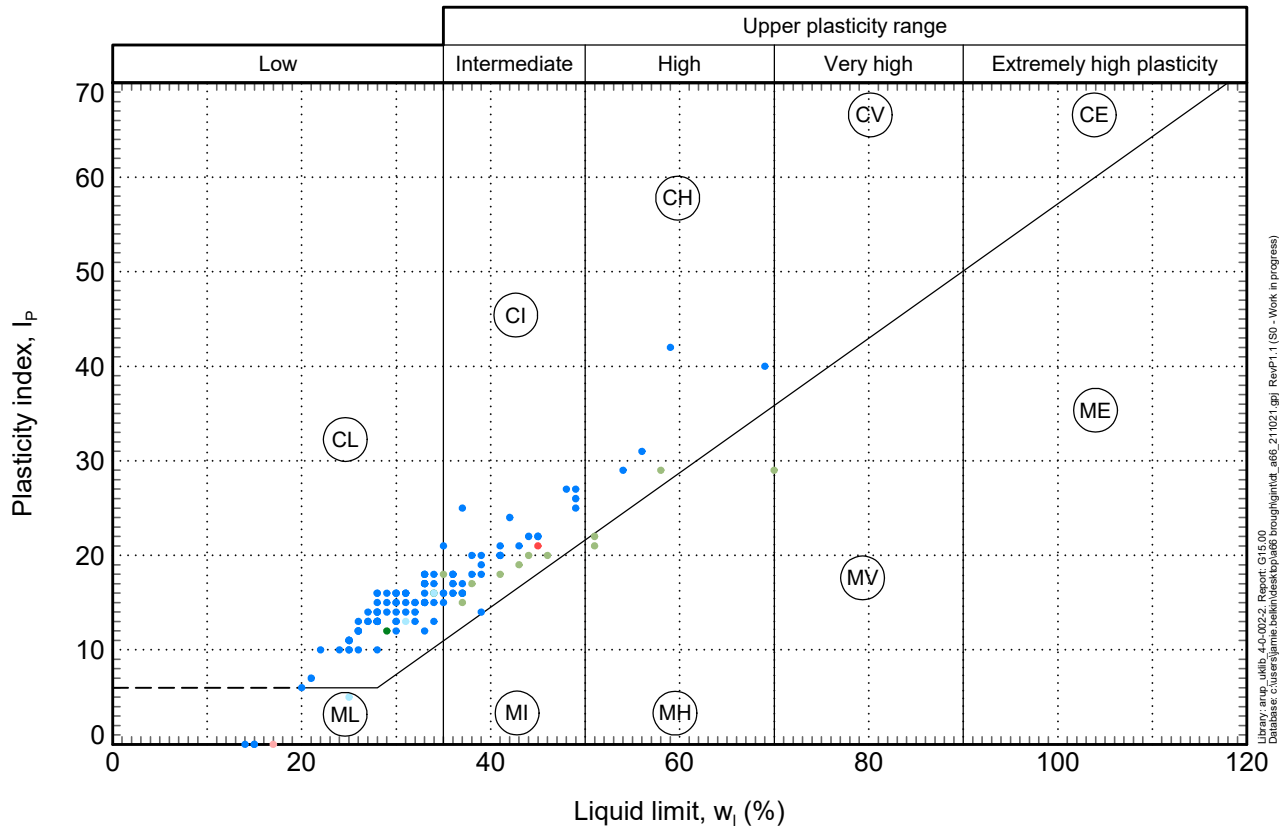
# ARUP

Job Title  
A66 NTP

Figure Title  
Atterberg limits

Job No  
276821

Figure No  
S9-1



Library: \\sfs-4-0-002-2; Rev: 015; 00  
 Database: c:\users\jamie.belkin\desktop\A66\_211021.dwg; Rev: P1.1 (SD - Work in progress)

- Mudstone (RK-Mdst)
- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- Made Ground (MG)

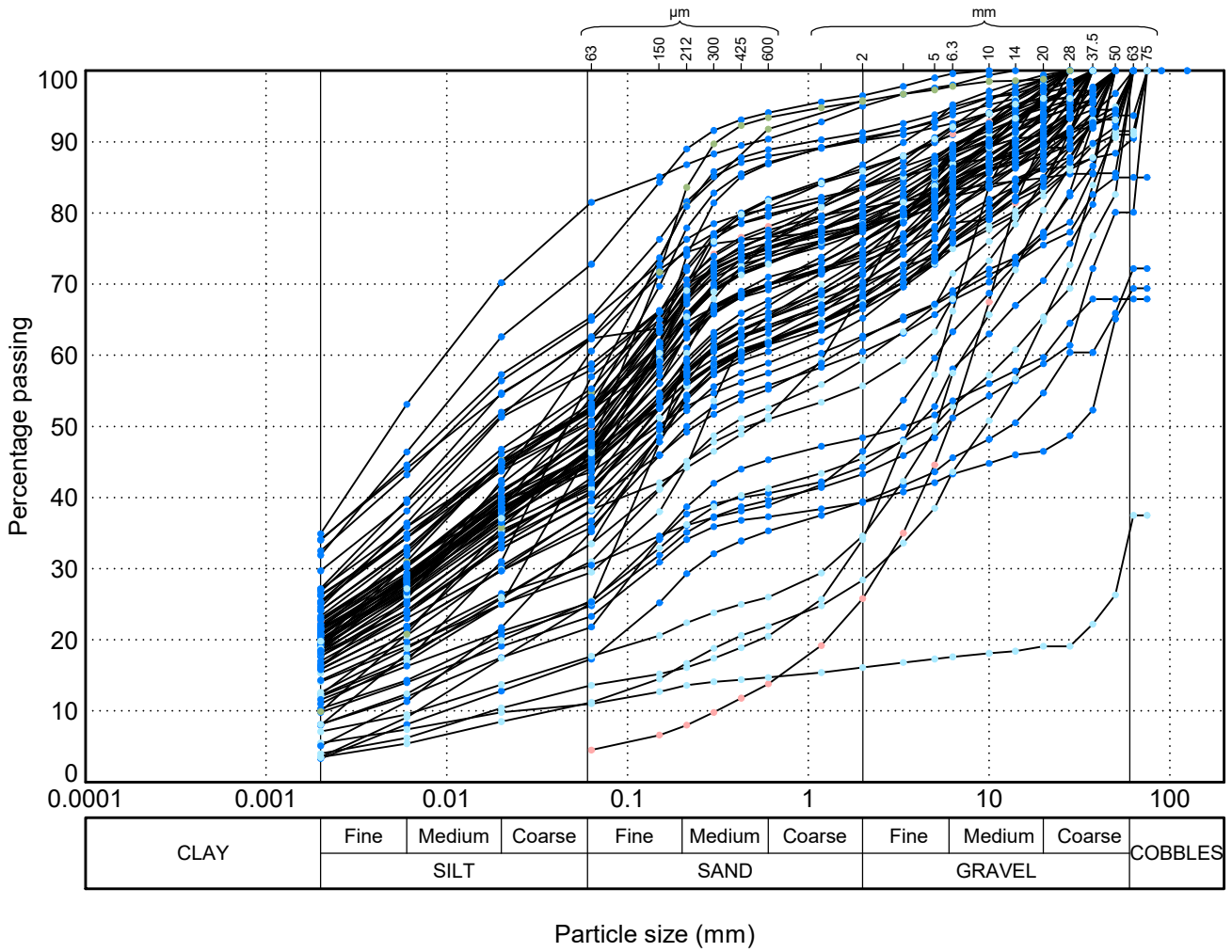
# ARUP

Job Title  
A66 NTP

Figure Title  
Plasticity chart

Job No  
**276821**

Figure No  
**S9-2**



Library: arup\_wdhl\_4-0-002-2; Report: G10A.00  
 Database: C:\users\jamie.belkin\desktop\ab6\_211021.gpj Rev:P1.1 (SO - Work in progress)

1,00

ARUP\_gINT v10.00.01.07; Made by Jamie Belkin on 22-Oct-21

- Made Ground - Granular (MG-G)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)

# ARUP

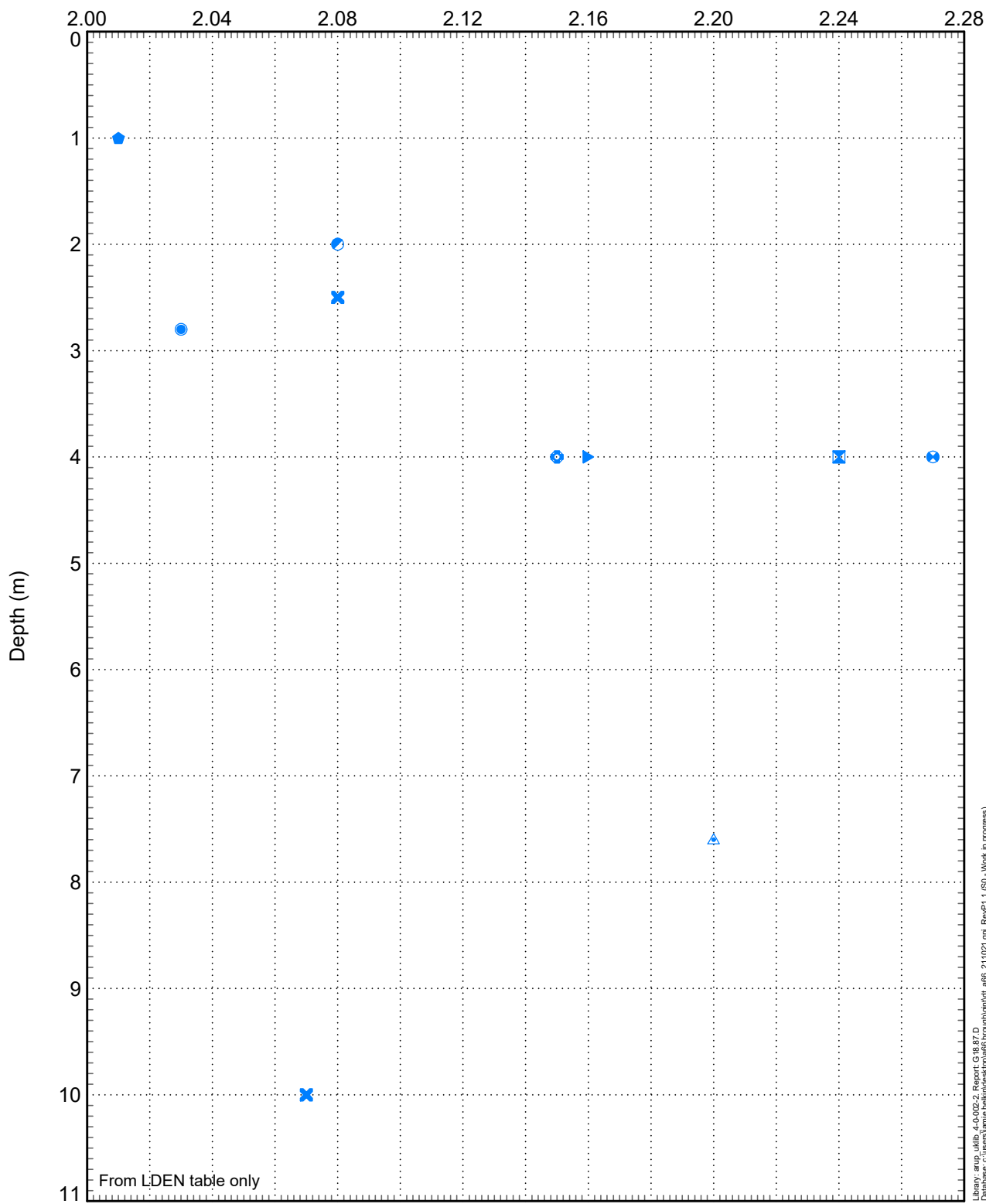
Job Title  
**A66 NTP**

Figure Title  
**Particle size distribution**

Job No  
**276821**

Figure No  
**S9-3**

Bulk density,  $\rho_b$  (Mg/m<sup>3</sup>)



From LDEN table only

I:\Users\jamie.belkin\Desktop\A66\A66\_211021.giff\_RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC020
- BH SBC021
- ✕ BH SBC006
- ◆ BH SBC007
- ▼ TP SBC012A
- ✕ TP SBC013
- TP SBC014
- TP SBC028

# ARUP

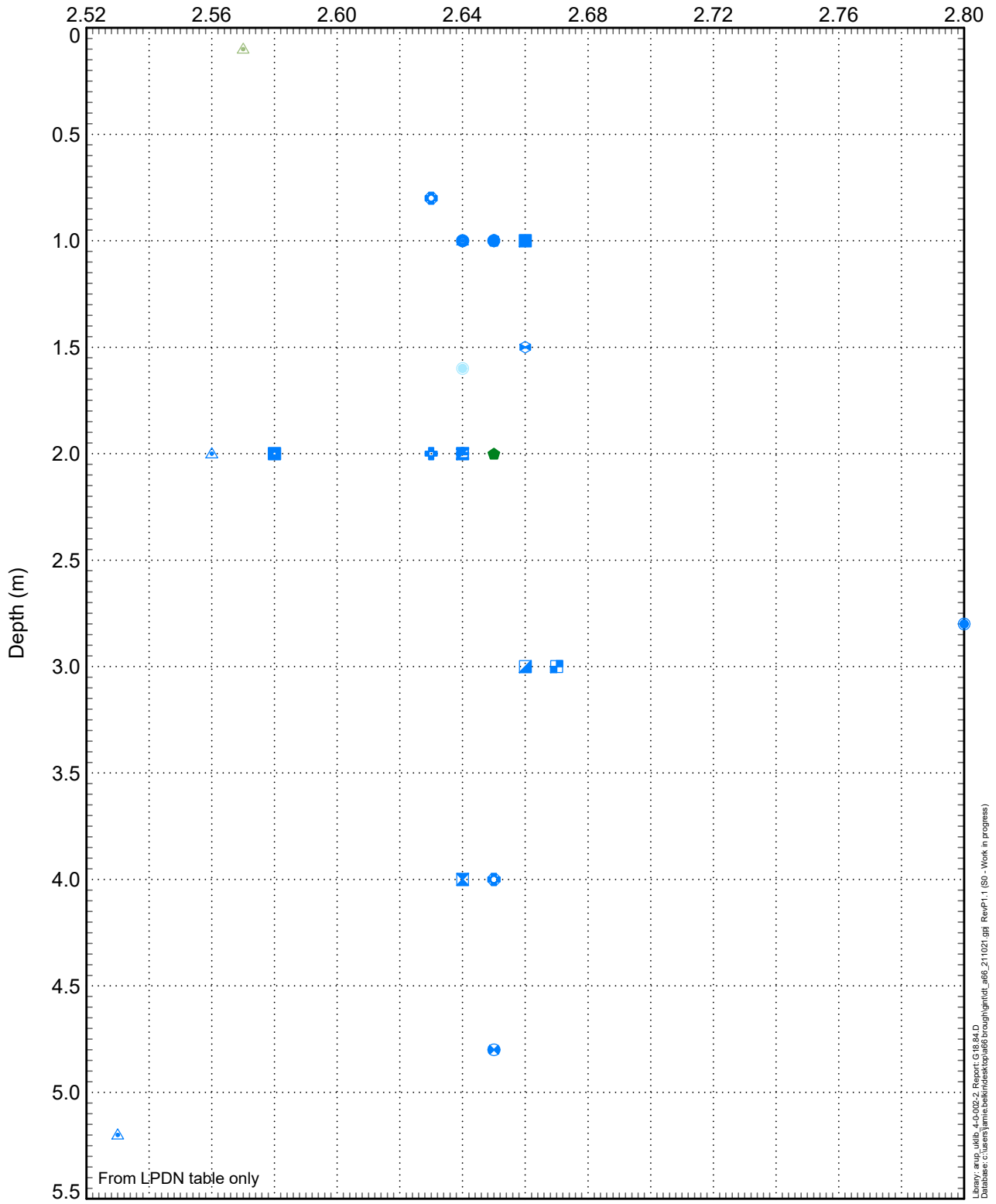
Job Title  
A66 NTP

Figure Title  
Bulk density

Job No  
276821

Figure No  
S9-4

Particle density,  $\rho_s$  (Mg/m<sup>3</sup>)



I:\Users\jmb\Documents\A66\211021\g88\Report\G18\_R4.D  
 Database: c:\users\jmb\Documents\A66\211021\g88\Report\G18\_R4.D

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- |                                    |             |
|------------------------------------|-------------|
| ■ Mudstone (RK-Mdst)               | ⊠ TP SBC013 |
| ■ Glacial Deposits Cohesive (GD-C) | ● TP SBC014 |
| ■ Glacial Deposits Granular (GD-G) | ⊠ TP SBC017 |
| ■ Topsoil (TOP)                    | ⊠ TP SBC018 |
| ▲ BH SBC012                        | ⊠ TP SBC021 |
| ⊠ BH SBC018                        | ⊠ TP SBC022 |
| ⊠ BH SBC020                        | ⊠ TP SBC024 |
| ⊠ BH SBC021                        | ⊠ TP SBC026 |
| ⊠ BH SBC005                        | ⊠ TP SBC027 |
| ⊠ BH SBC007                        | ⊠ TP SBC028 |
| ○ TP SBC001                        | ⊠ TP SBC031 |
| ■ TP SBC005                        | ⊠ TP SBC032 |
| ■ TP SBC011                        |             |

# ARUP

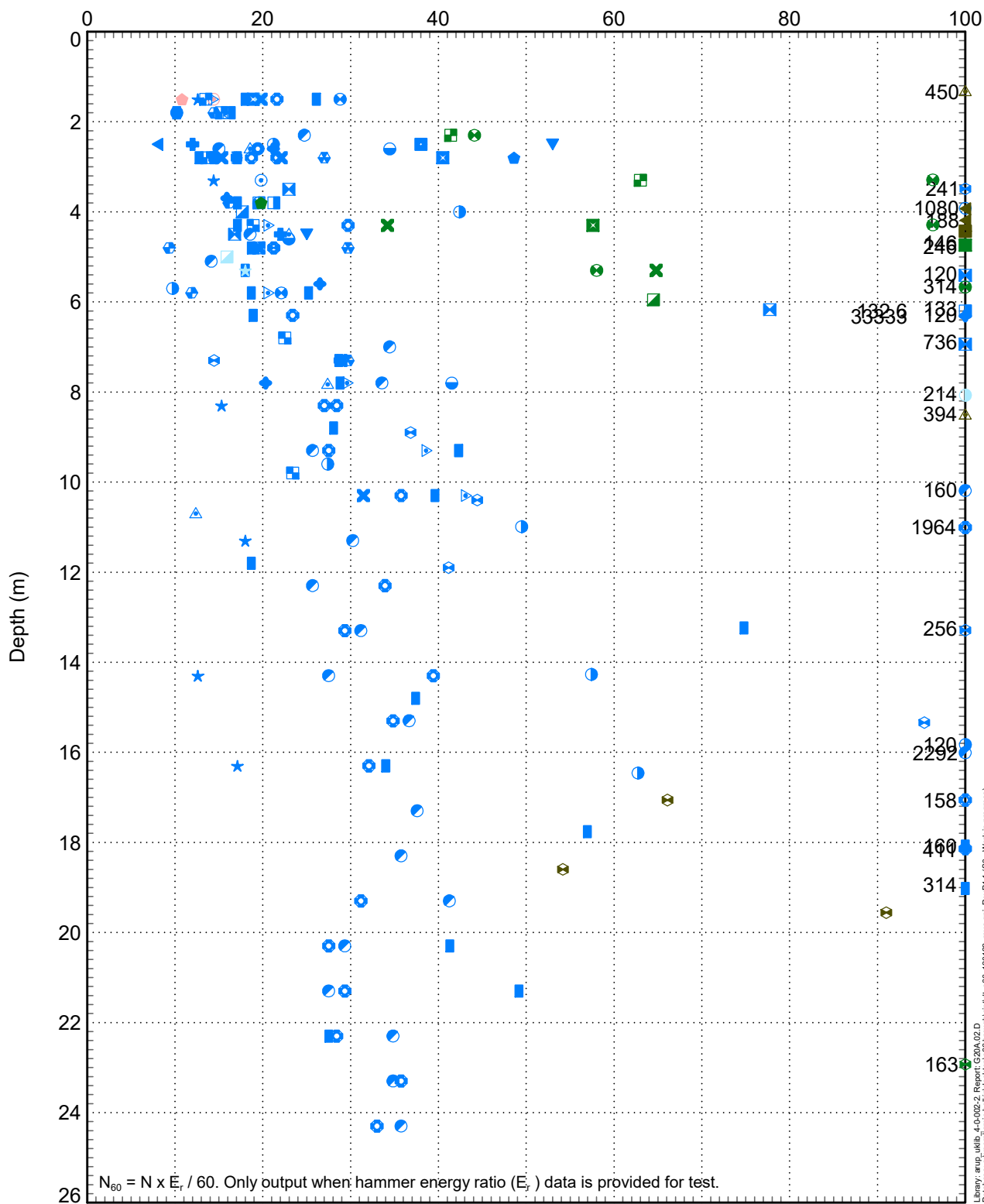
Job Title  
A66 NTP

Figure Title  
Particle density

Job No  
276821

Figure No  
S9-5

SPT N(60) value,  $N_{60}$



I:\Users\j.m.ellis\_46\002-2\Projects\A66\A66\_03.D  
 Database: c:\users\j.m.ellis\_46\desktop\A66\_brought\gmt\A66\_120122\_rev.aop\ RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 11-Feb-22

<ul style="list-style-type: none"> <li>■ Sandstone (RK-Sdst)</li> <li>■ Mudstone (RK-Mdst)</li> <li>■ Made Ground - Granular (MG-G)</li> <li>■ Glacial Deposits Cohesive (GD-C)</li> <li>■ Glacial Deposits Granular (GD-G)</li> <li>● BH SBC002</li> <li>● BH SBC008</li> <li>● BH SBC010</li> <li>● BH SBC010A</li> <li>● BH SBC011</li> <li>● BH SBC012</li> <li>● BH SBC013</li> <li>■ BH SBC016</li> <li>● BH SBC017</li> <li>● BH SBC018</li> <li>■ BH SBC019</li> <li>● BH SBC020</li> <li>● BH SBC021</li> <li>■ BH SBC022</li> <li>● BH SBC023A</li> <li>● BH SBC026</li> <li>● BH SBC027</li> <li>● BH SBC028</li> <li>● BH SBC029</li> <li>■ BH SBC030</li> <li>★ BH SBC031</li> <li>○ BH SBC032</li> <li>■ BH SBC032A</li> <li>▼ NZ10NE14</li> <li>■ NZ10NE15</li> <li>■ NZ10NE19</li> <li>▲ NZ10NE21</li> <li>▲ BH SBC001</li> <li>▲ BH SBC005</li> <li>● BH SBC006</li> <li>■ BH SBC007</li> <li>■ BH SBC009</li> <li>● BH SBC014A</li> <li>■ BH SBC015</li> <li>● BH SBC024</li> <li>● BH SBC025</li> </ul>
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# ARUP

Job Title  
**A66 NTP**

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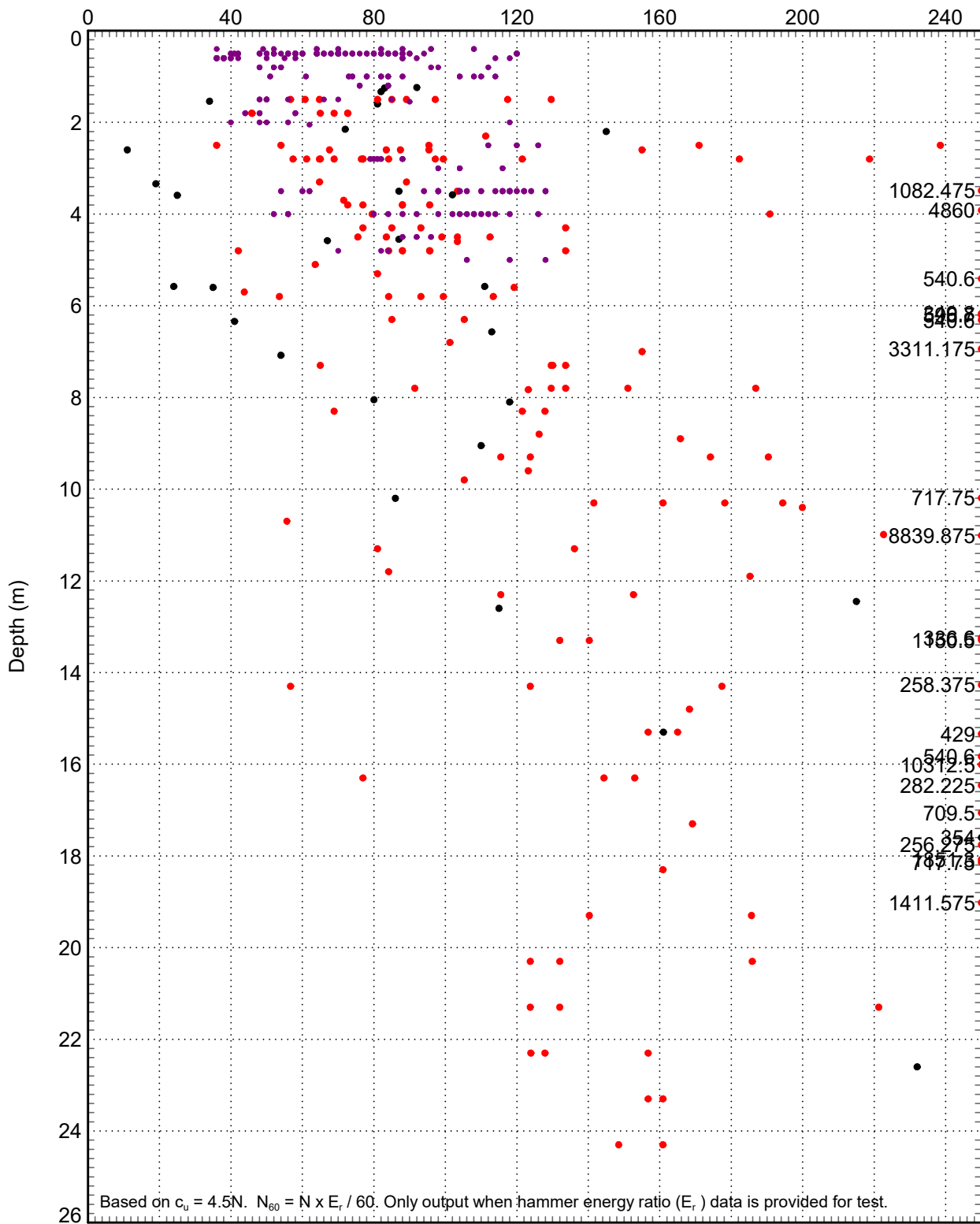
Figure Title  
**Standard penetration tests**

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Job No <b>276821</b>	Figure No <b>S9-6</b>
-------------------------	--------------------------



Undrained shear strength,  $c_u$  (kPa)



I:\base\proj\A66\A66\_01\Revised\_C31\_20x12\01\_D  
 Database: c:\base\jamie.belkin\desktop\A66\A66\A66\fig\mkt\_a66\_120122\_rev.aopli Rev:P1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Feb-22

- $c_u$  from SPT (x4.5)
- From hand vane (peak)
- From triaxial test

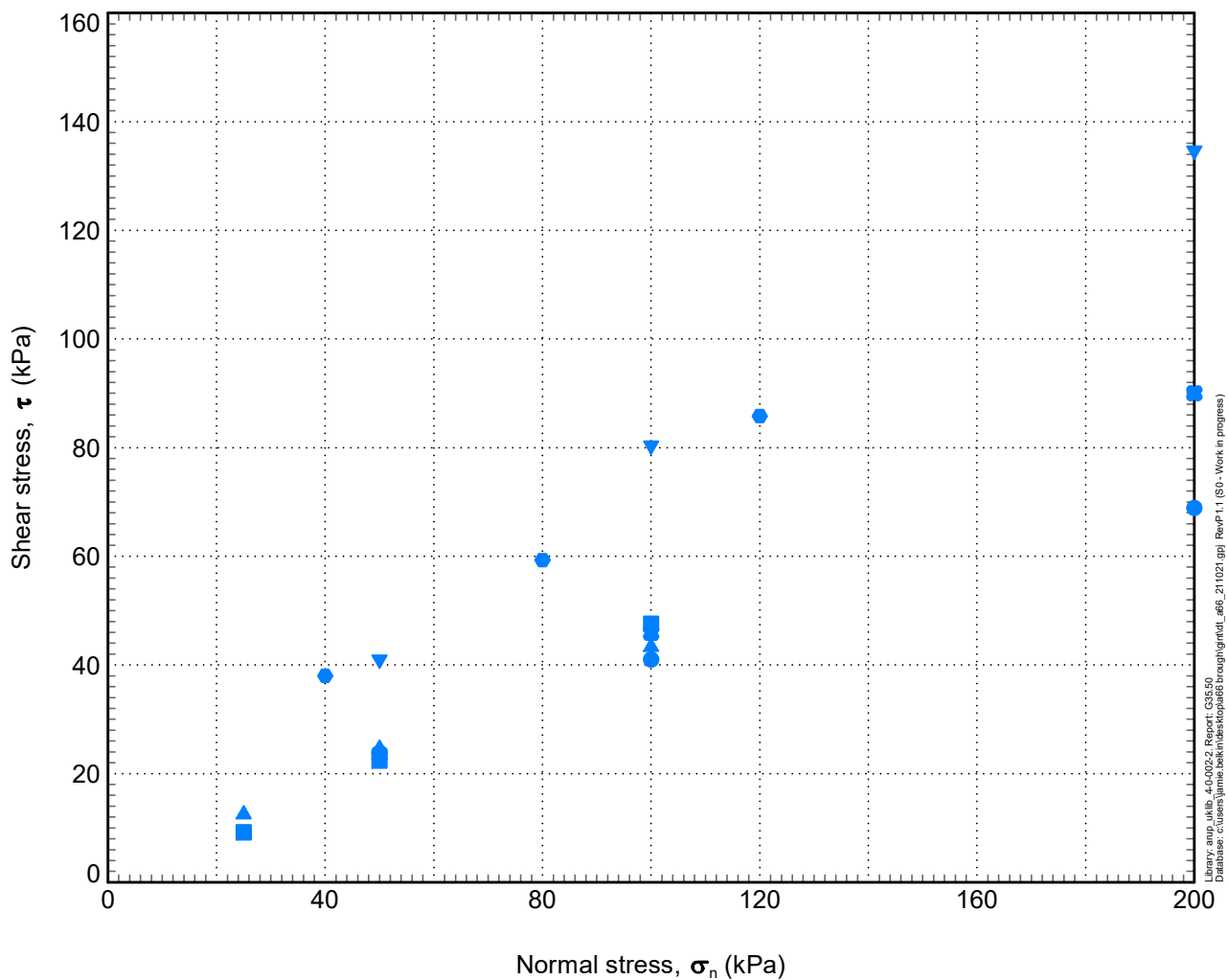
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Undrained shear strength  
GLACIAL DEPOSITS COHESIVE**

Job No  
**276821**

Figure No  
**S9-7**



Library path: \\fs-40-002-2\Report\_C35E50  
 Database: c:\users\jamie.belkin\desktop\A66\_brough\mtdt\_a66\_211021.gpj RevP.1.1 (SO - Work in progress)

- Glacial Deposits Cohesive (GD-C)
- BH SBC012, 7.60m
- BH SBC020, 2.50m
- ▲ BH SBC023A, 2.20m
- BH SBC024, 5.50m
- TP SBC012A, 4.00m
- ▼ TP SBC028, 4.80m

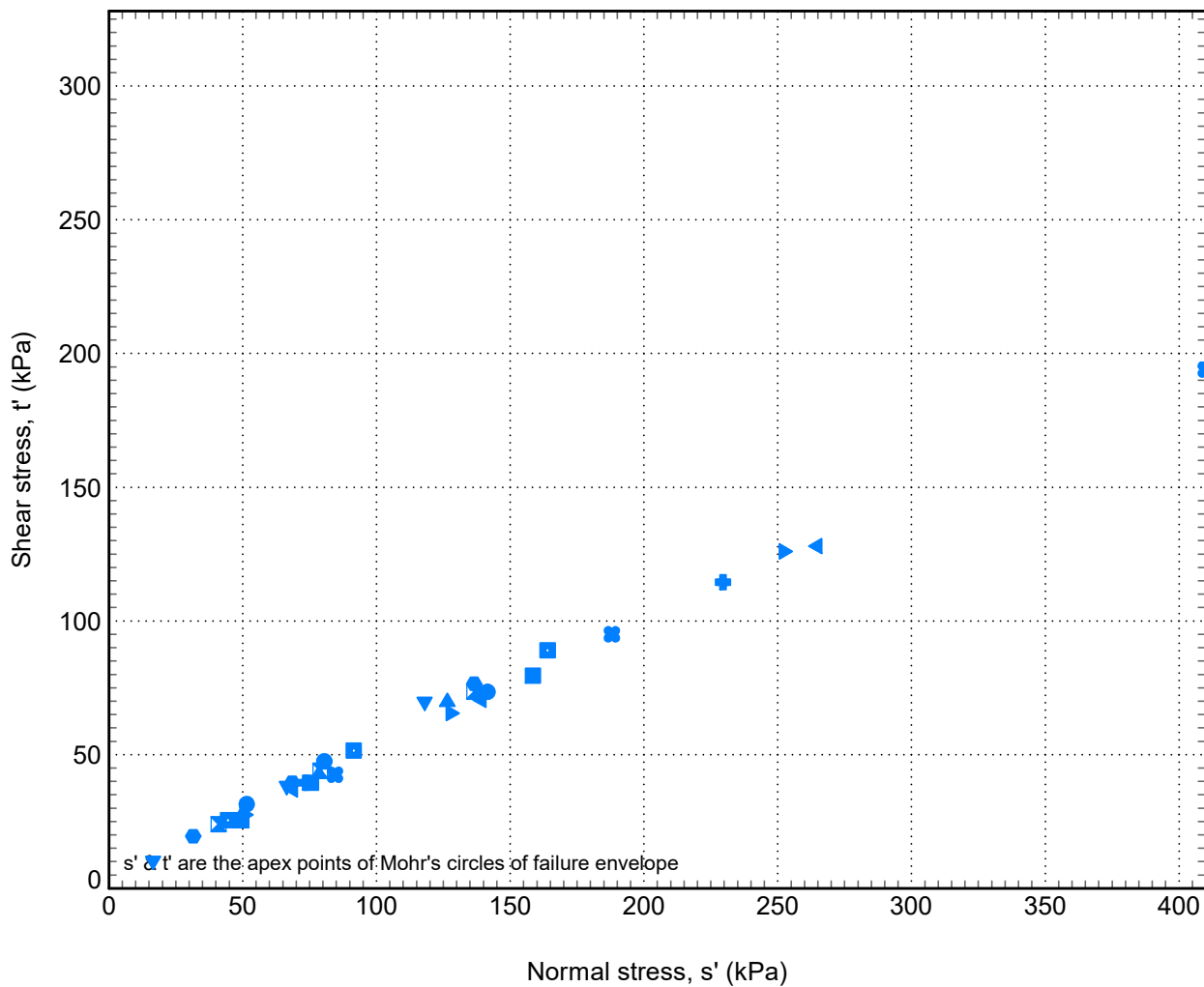
# ARUP

Job Title  
A66 NTP

Figure Title  
Shear box tests

Job No  
**276821**

Figure No  
**S9-8**



Library path: \\fs-40-002-2\Report\_CSSE\60  
 Database: c:\users\jamie.belkin\desktop\66\brough\matt\_a66\_211021.gpi RevP.1.1 (SO - Work in progress)

- Glacial Deposits Cohesive (GD-C)
- BH SBC011, 6.25m
- BH SBC012, 5.95m
- ▲ BH SBC013, 3.55m
- ⊕ BH SBC017, 7.05m
- BH SBC021, 3.25m
- ▼ BH SBC027, 2.05m
- ⊕ BH SBC028, 5.55m
- BH SBC031, 4.05m
- ▲ BH SBC031, 9.50m
- ▼ BH SBC032A, 5.24m
- ⊗ BH SBC024, 1.55m

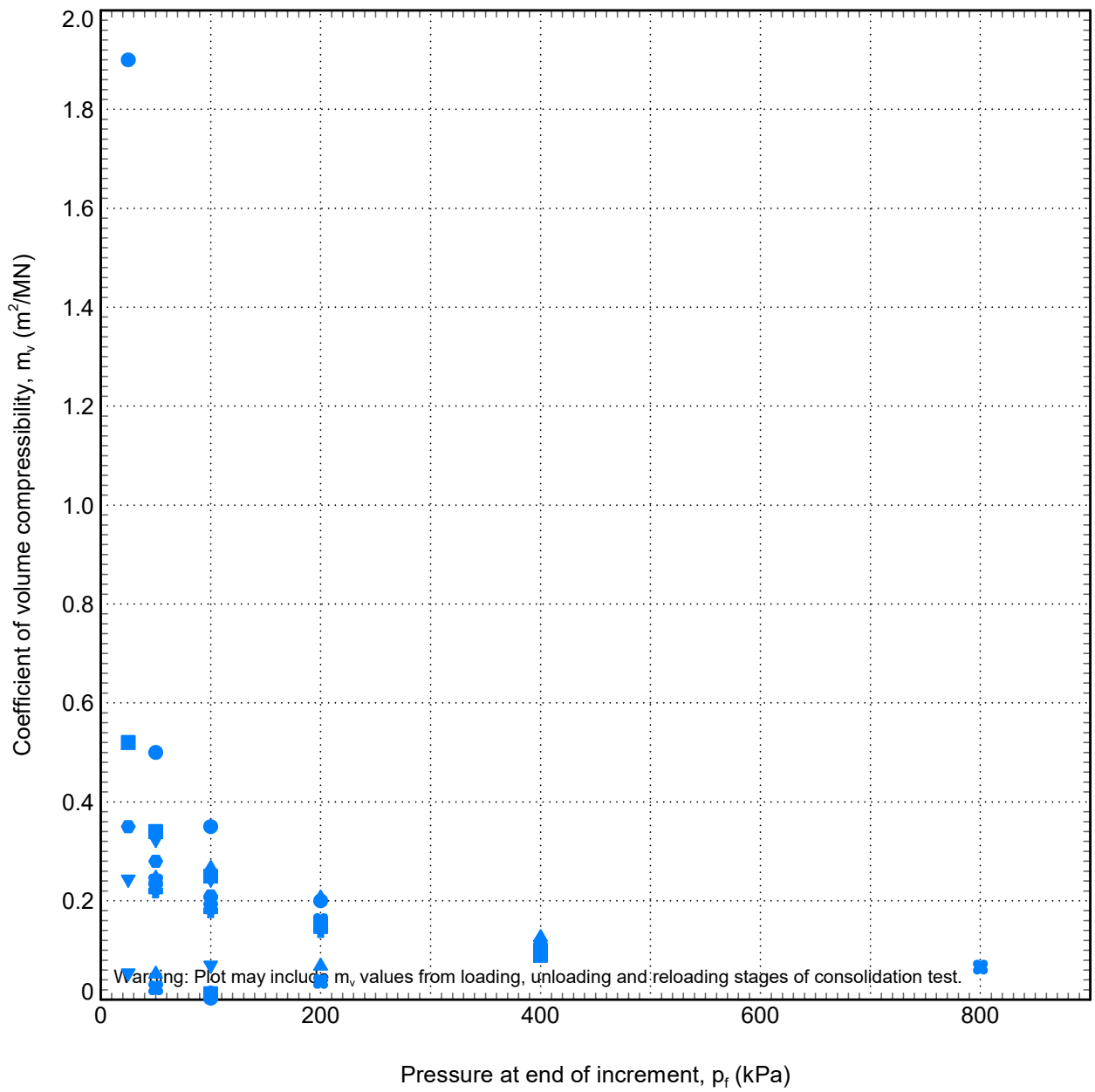
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Job Title  
**A66 NTP**

Figure Title  
**Triaxial t' v s'**

Job No  
**276821**

Figure No  
**S9-9**



Library: arup\_jukib\_4-0-002-2\_Report\_G43.12  
 Database: C:\Users\jamie.belkin\sketchbook\arup\arup\_211021.gpi RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- BH SBC002, 2.80m
- BH SBC017, 2.53m
- ▲ BH SBC023A, 12.45m
- BH SBC031, 6.53m
- BH SBC032, 2.05m
- ▼ BH SBC014A, 5.78m
- BH SBC025, 3.50m

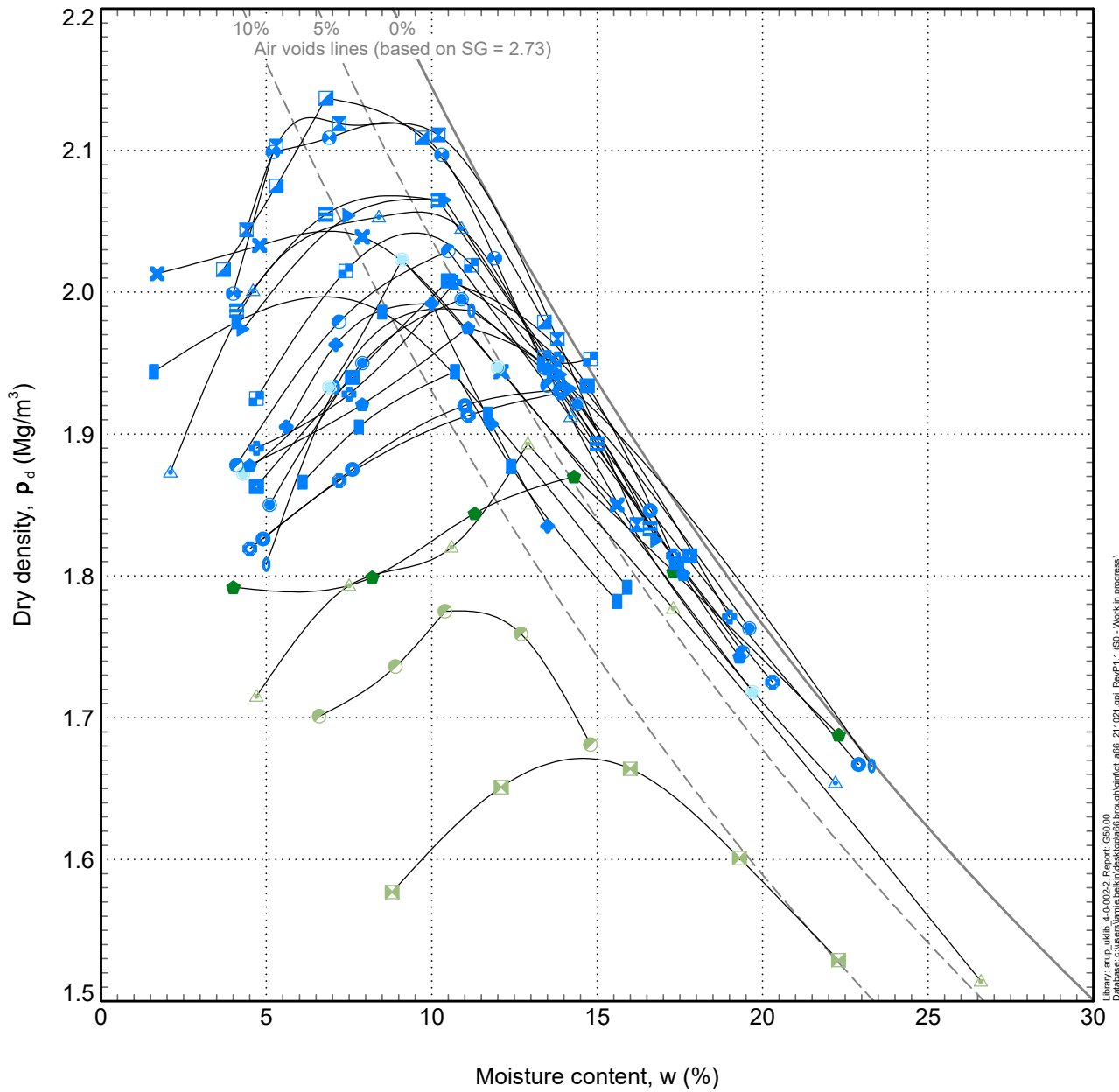
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Volume compressibility**

Job No  
**276821**

Figure No  
**S9-10**



Library: arup\_jukib\_4-0-002-2\_Report\_G5000 Database: C:\users\jamie.belkin\skopade\brough\git\tdc\_ar6\_211021.gpi Rev#1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- |                                    |              |
|------------------------------------|--------------|
| ■ Mudstone (RK-Mdst)               | ■ TP SBC011  |
| ■ Glacial Deposits Cohesive (GD-C) | ▼ TP SBC012A |
| ■ Glacial Deposits Granular (GD-G) | ■ TP SBC013  |
| ■ Topsoil (TOP)                    | ● TP SBC014  |
| ▲ BH SBC012                        | ▣ TP SBC017  |
| ✕ BH SBC013                        | ⊕ TP SBC018  |
| ● BH SBC021                        | ○ TP SBC021  |
| ◆ BH SBC026                        | ▣ TP SBC022  |
| ▣ BH SBC027                        | ■ TP SBC026  |
| ▲ BH SBC005                        | ▣ TP SBC027  |
| ● BH SBC007                        | ⊕ TP SBC028  |
| ■ BH SBC024                        | ■ TP SBC030  |
| ○ TP SBC001                        | ⊕ TP SBC031  |
|                                    | ○ TP SBC032  |
|                                    | ○ TP SBC033  |

# ARUP

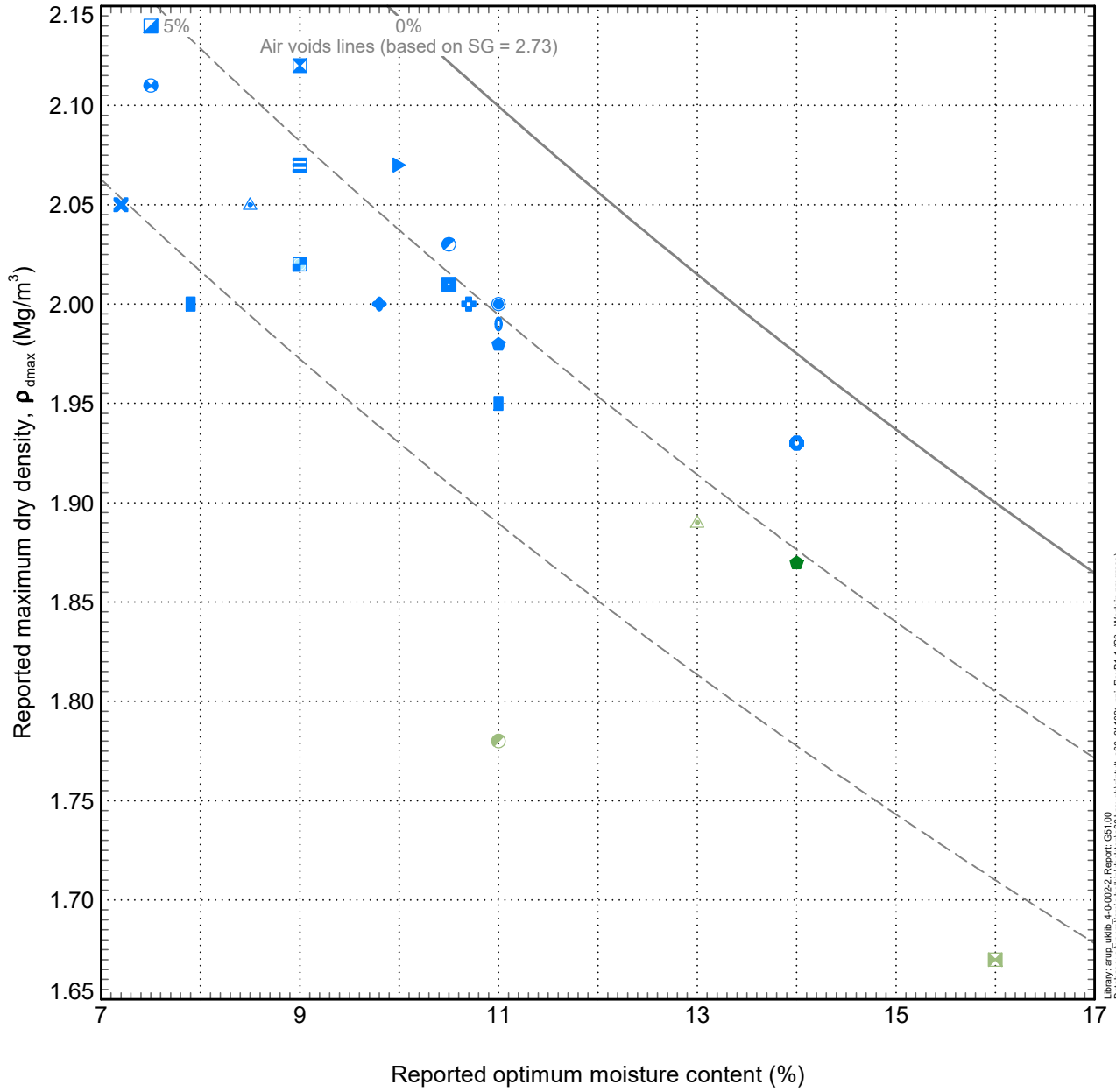
Job Title  
**A66 NTP**

Figure Title  
**Compaction tests**

Job No  
**276821**

Figure No  
**S9-11**

10%



Library: arup\_wklib\_4-0-002-2; Report: G51.00  
Database: C:\Users\jamie.belkin\sketchbook\arup\gintod\_ar6\_211021.gpi Rev: P1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Mudstone (RK-Mdst)
- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- Topsoil (TOP)
- ▲ BH SBC012
- ✕ BH SBC013
- BH SBC021
- ◆ BH SBC026
- ✕ BH SBC027
- ▲ BH SBC005
- BH SBC007
- BH SBC024
- TP SBC001
- TP SBC011
- ▼ TP SBC012A
- ✕ TP SBC013
- TP SBC014
- TP SBC017
- ⊕ TP SBC018
- TP SBC021
- TP SBC022
- TP SBC026
- TP SBC027
- ⊕ TP SBC028
- TP SBC030
- ⊕ TP SBC031
- TP SBC032
- TP SBC033

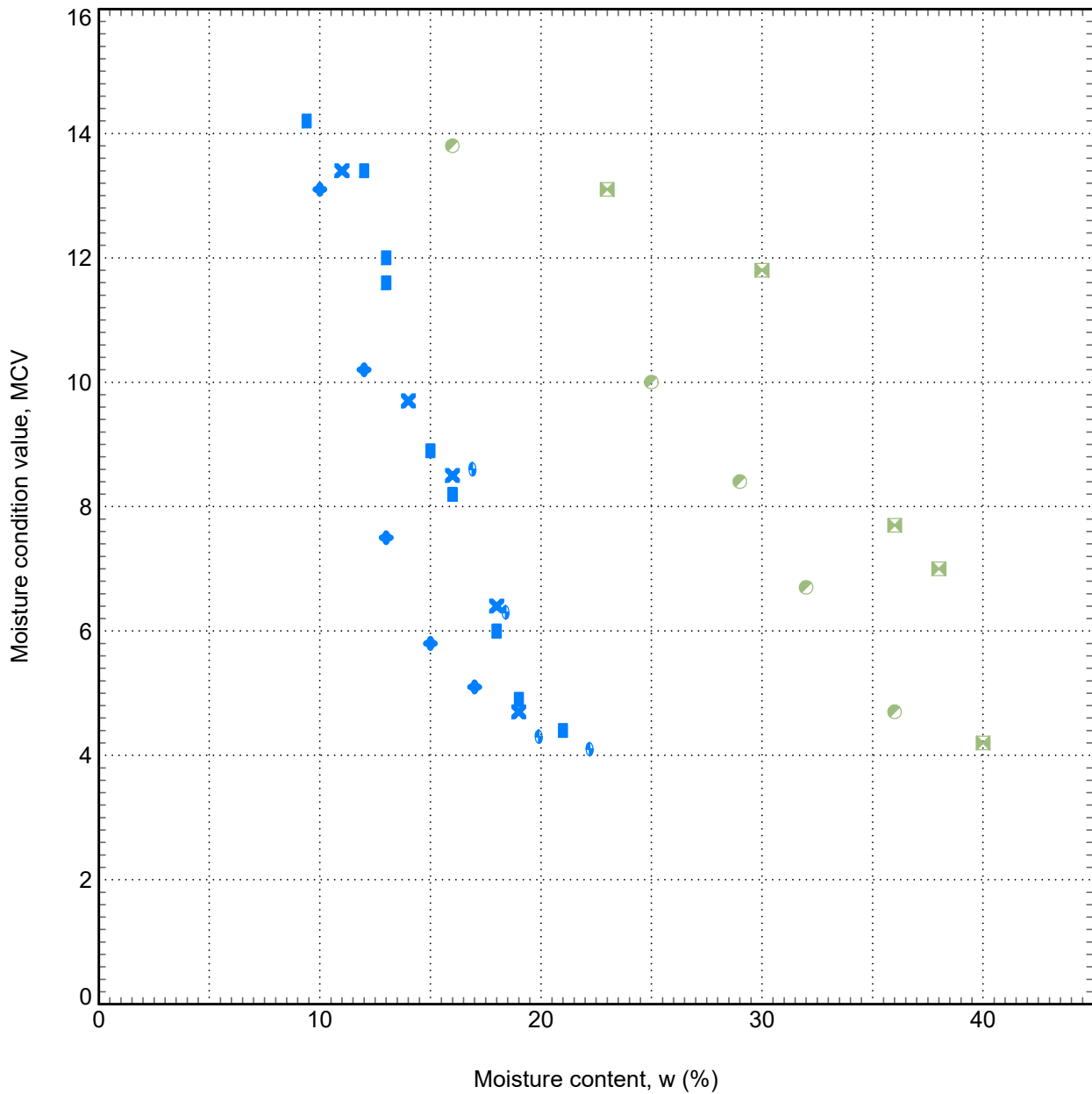
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Job Title  
**A66 NTP**

Figure Title  
**OMC and maximum dry density**

Job No  
**276821**

Figure No  
**S9-12**



Library path: C:\Users\jamie.belkin\desktop\A66\_brough\mtd\ RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- Made Ground - Cohesive (MG-C)
- Topsoil (TOP)
- ✕ BH SBC013
- BH SBC021
- ◆ BH SBC026
- ✕ BH SBC027
- BH SBC024
- NZ11SW56
- TP SBC030

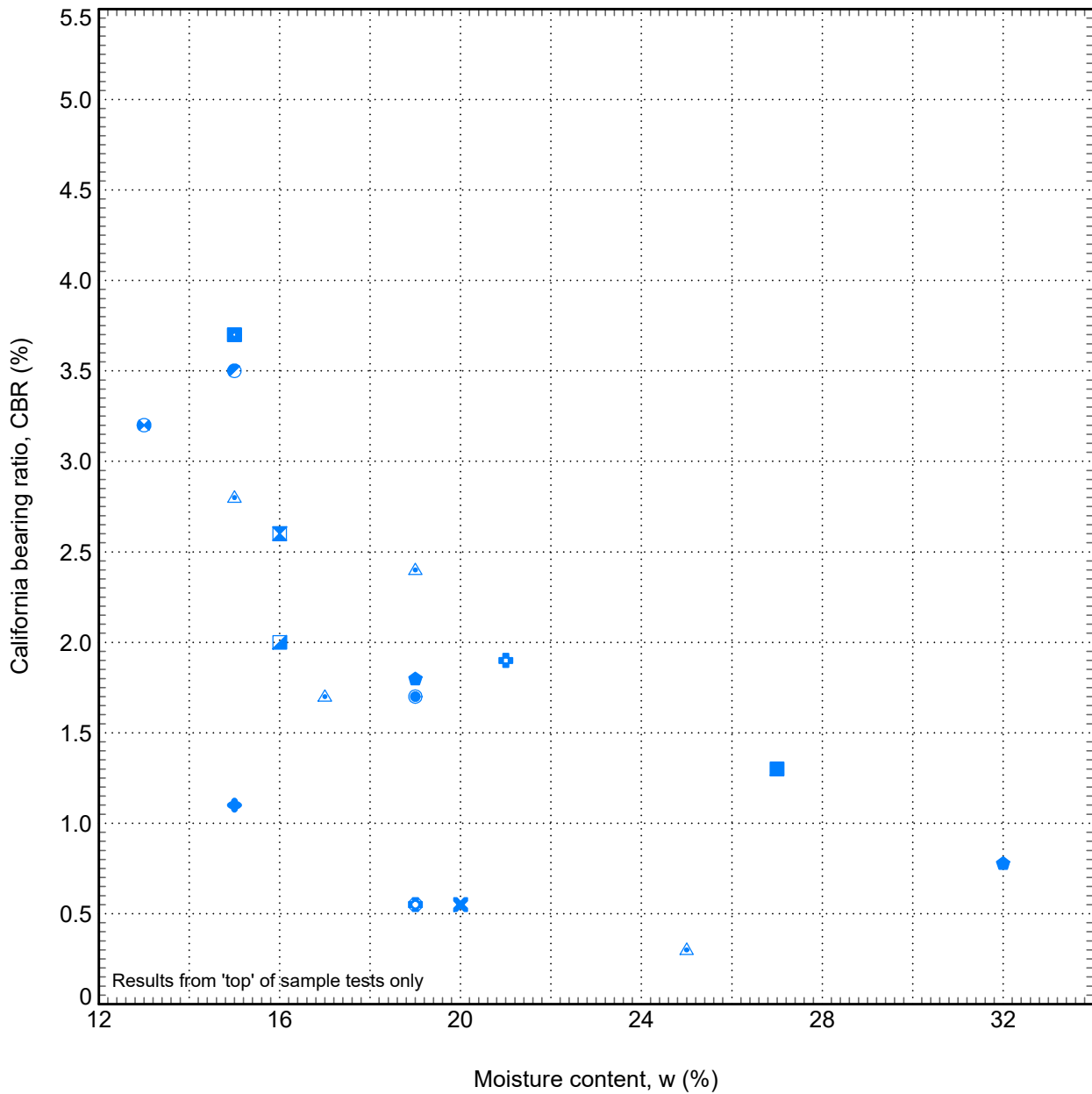
# ARUP

Job Title  
A66 NTP

Figure Title  
MCV vs moisture content

Job No  
276821

Figure No  
S9-13



- Glacial Deposits
- ▲ TP SBC024
- ▲ Cohesive (GD-C)
- ▲ BH SBC012
- TP SBC026
- ✕ BH SBC013
- TP SBC028
- BH SBC020
- BH SBC021
- BH SBC026
- ▲ BH SBC005
- BH SBC007
- TP SBC005
- TP SBC011
- TP SBC013
- TP SBC014
- TP SBC018
- TP SBC022

# ARUP

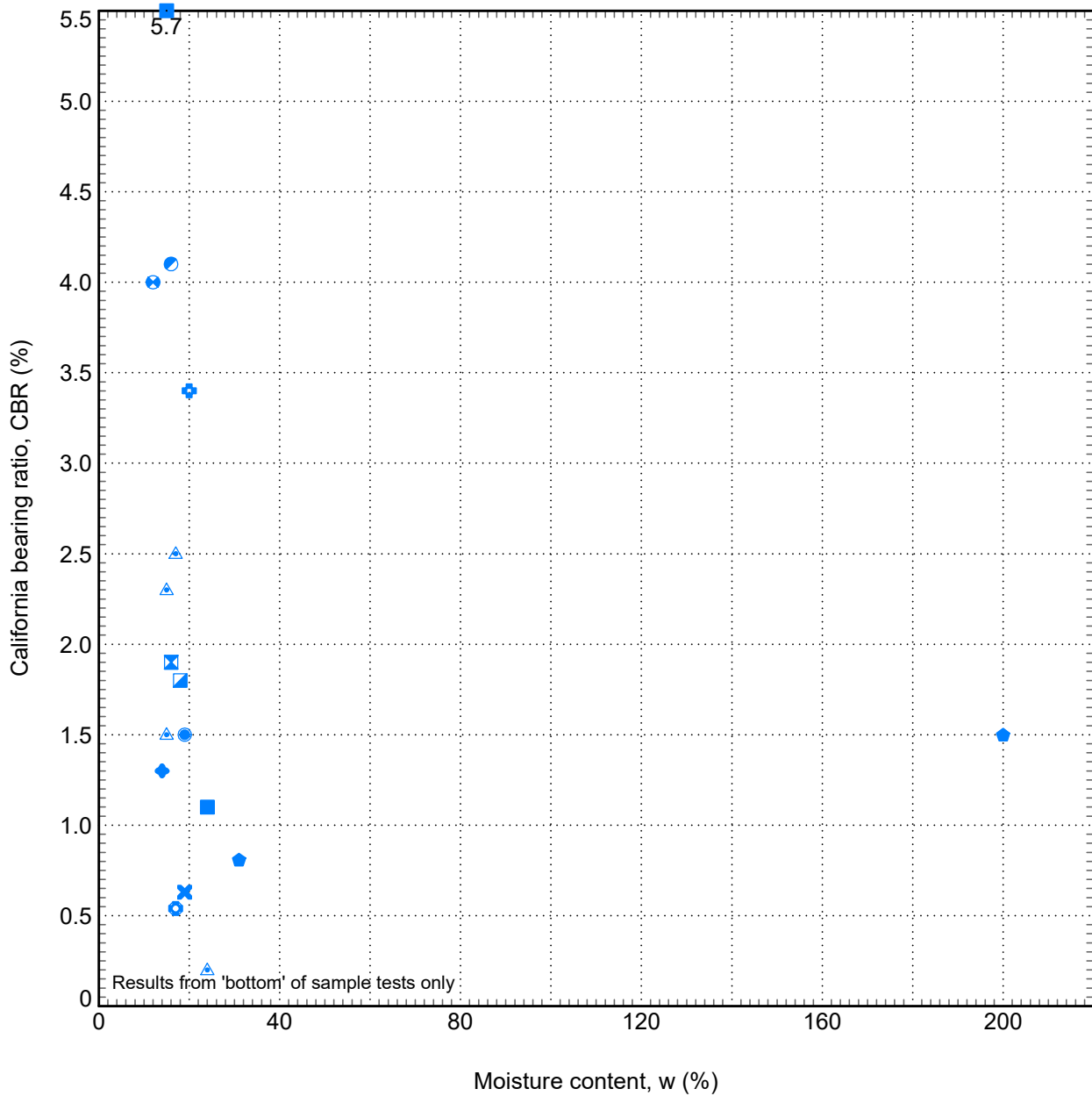
Job Title  
A66 NTP

Figure Title  
Lab CBR vs moisture content

Job No  
**276821**

Figure No  
**S9-14**





Library: arup\_v10.00.01.07; RevP1.1 (S0 - Work in progress)  
 Database: C:\users\jamie.belkin\desktop\A66\_brought\mtd\_a66\_211021.gpr  
 RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Glacial Deposits Cohesive (GD-C)
- ▲ BH SBC012
- ✕ BH SBC013
- ⊗ BH SBC020
- ⊙ BH SBC021
- ◆ BH SBC026
- ▲ BH SBC005
- BH SBC007
- TP SBC005
- TP SBC011
- ⊗ TP SBC013
- TP SBC014
- ⊕ TP SBC018
- TP SBC022
- ▲ TP SBC024
- TP SBC026
- ⊗ TP SBC028

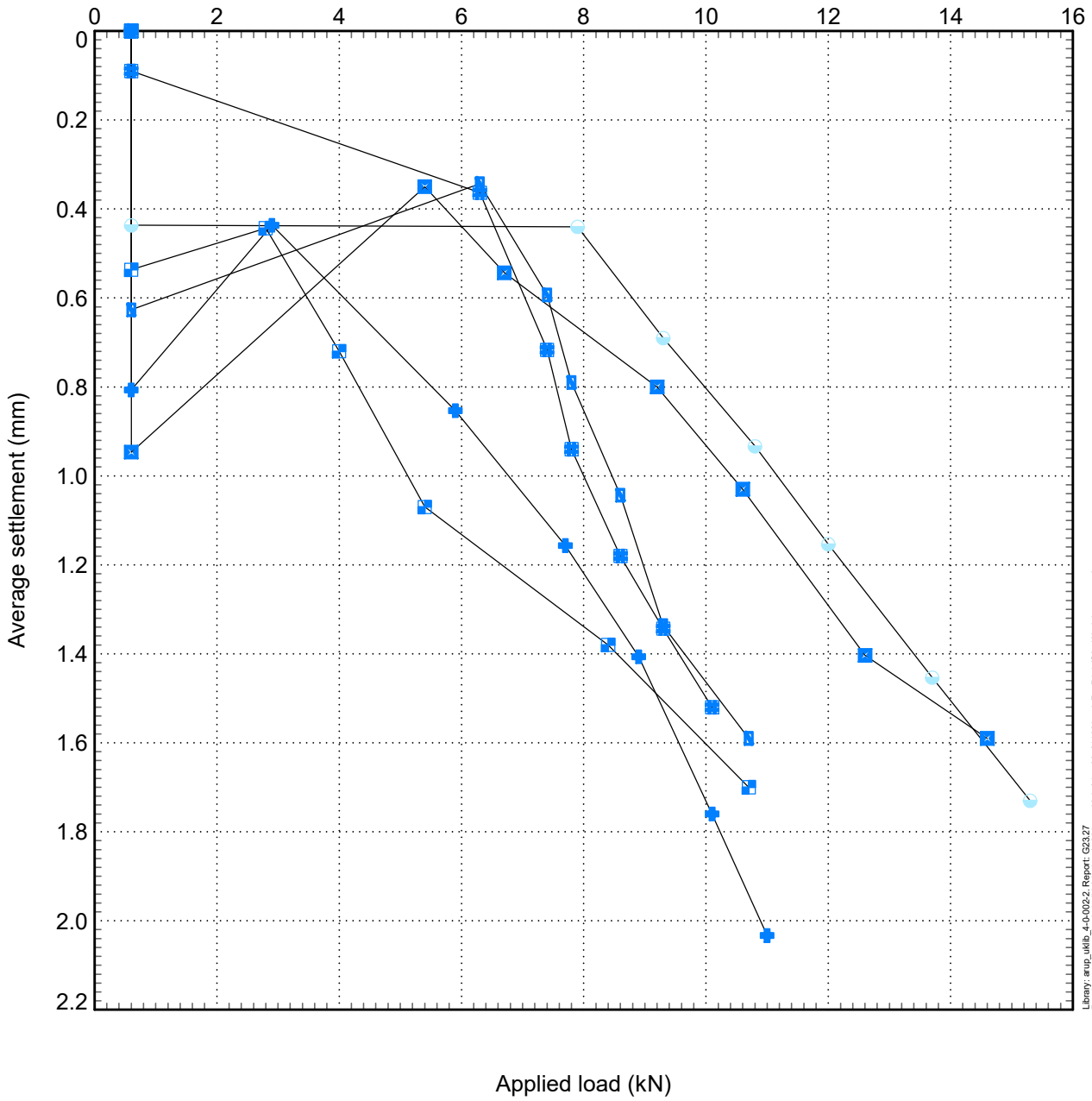
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Lab CBR vs moisture content**

Job No  
**276821**

Figure No  
**S9-15**



Library: \\msn\4.0.0022\Baker\62327  
 Database: c:\users\jamie.belkin\data\plots\66\_brough\gint\0166\_211021.gpi RevP1.1 (SD - Work in progress)

- Glacial Deposits Cohesive (GD-C)
- Glacial Deposits Granular (GD-G)
- TP SBC002
- TP SBC010
- TP SBC020
- TP SBC023
- TP SBC027
- TP SBC034

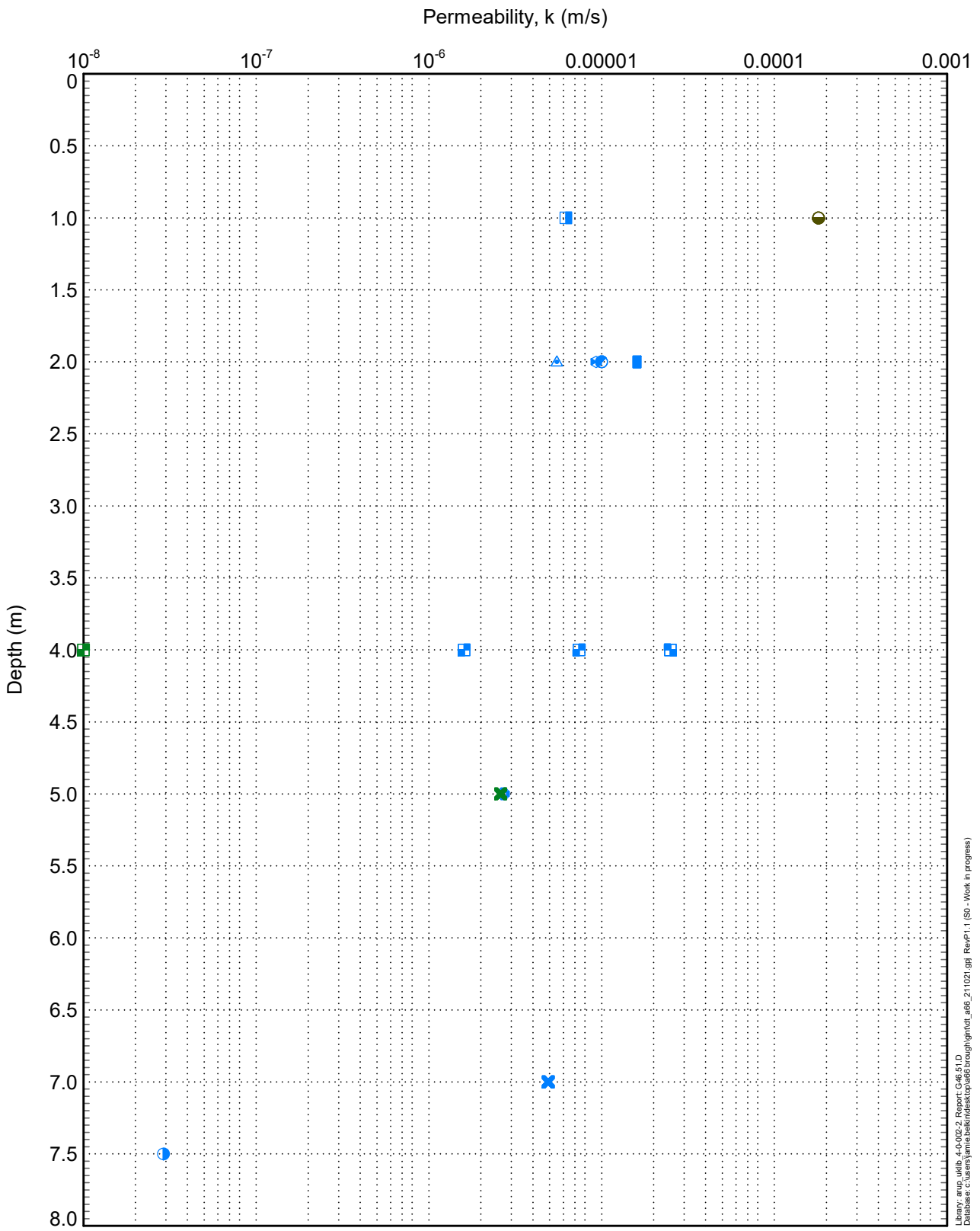
# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Plate loading tests**

Job No  
**276821**

Figure No  
**S9-16**



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 Database: c:\users\jamie.belkin\desktop\A66\A66\_211021.ggs RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Glacial Deposits
- Cohesive (GD-C)
- ✕ BH SBC013
- BH SBC016
- BH SBC018
- BH SBC020
- BH SBC021
- BH SBC022
- BH SBC023A
- BH SBC030
- BH SBC032A
- BH SBC001
- ▲ BH SBC005
- ✕ BH SBC006
- BH SBC009

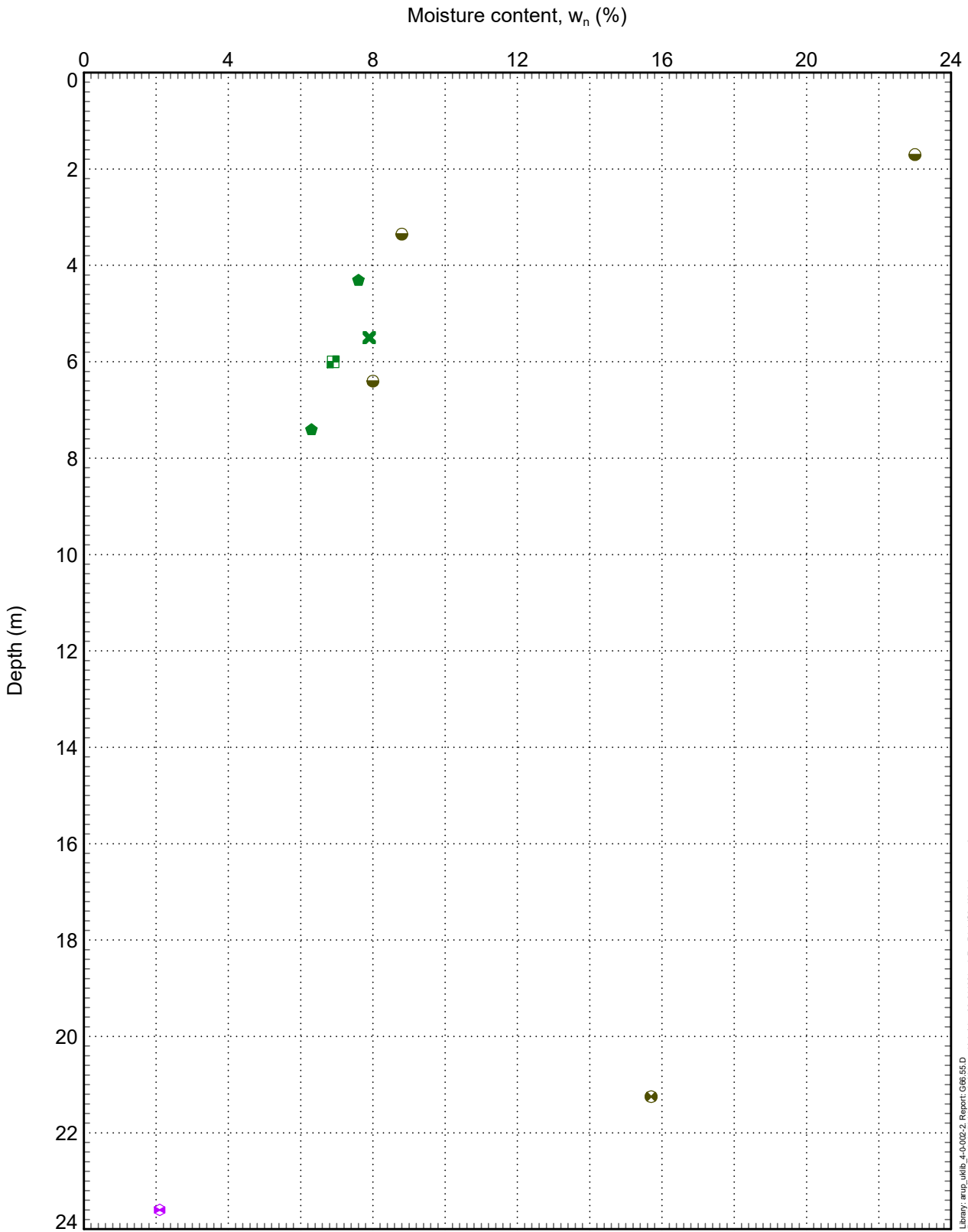
# ARUP

Job Title  
A66 NTP

Figure Title  
In situ permeability

Job No  
276821

Figure No  
S9-17



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 Database: c:\users\jamie.belkin\desktop\A66\_211021.giff\_RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Limestone (RK-Lst)
- BH SBC001
- ✕ BH SBC006
- BH SBC007
- BH SBC009
- BH SBC014A
- BH SBC015

# ARUP

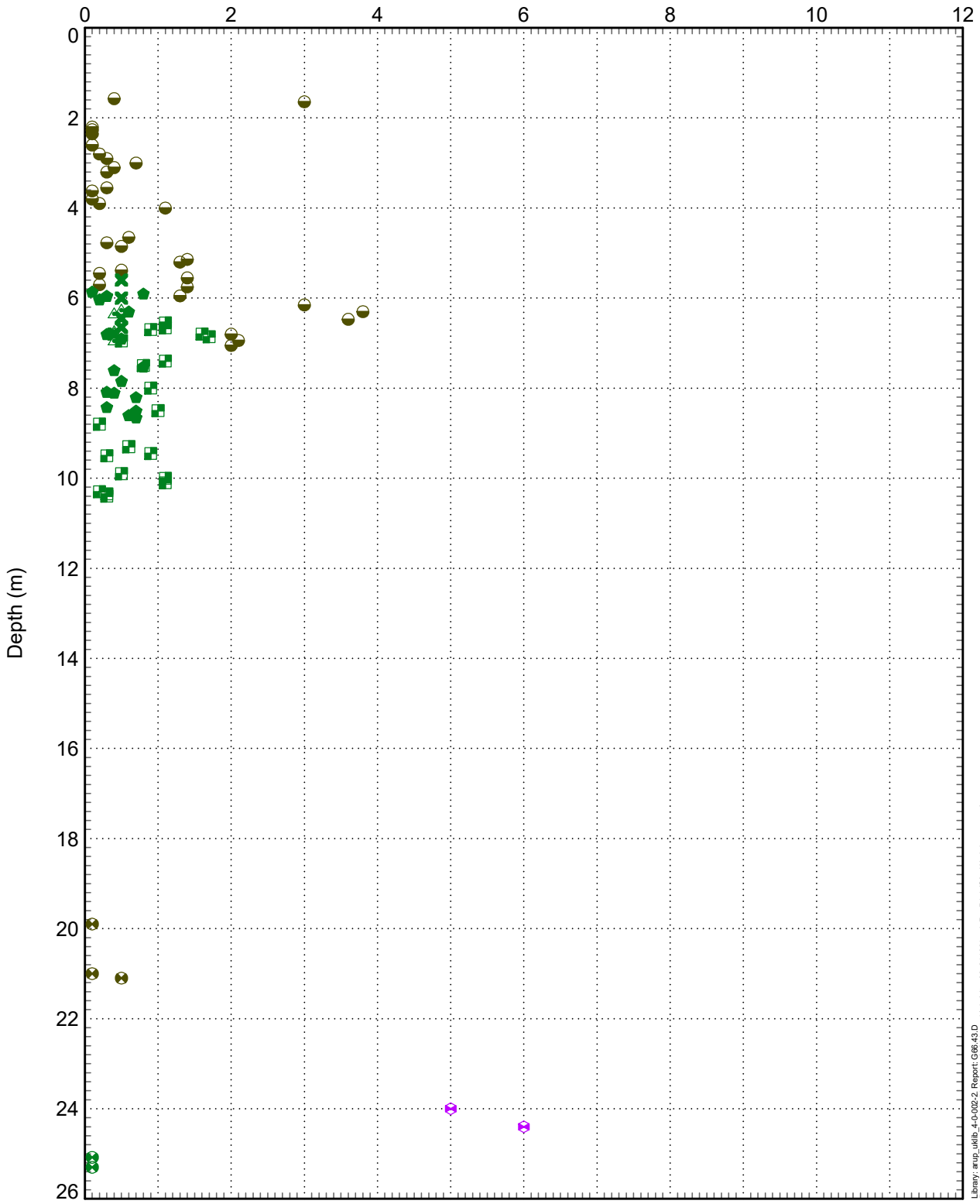
Job Title  
A66 NTP

Figure Title  
Rock moisture content

Job No  
**276821**

Figure No  
**S9-18**

Point load index (size corrected),  $I_{s(50)}$  (MPa)



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 Database: c:\users\jamie\_belkin\desktop\A66\_211021.ggs

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Limestone (RK-Lst)
- BH SBC001
- ▲ BH SBC005
- ✕ BH SBC006
- ◆ BH SBC007
- BH SBC009
- ⊗ BH SBC014A
- ⊗ BH SBC015

# ARUP

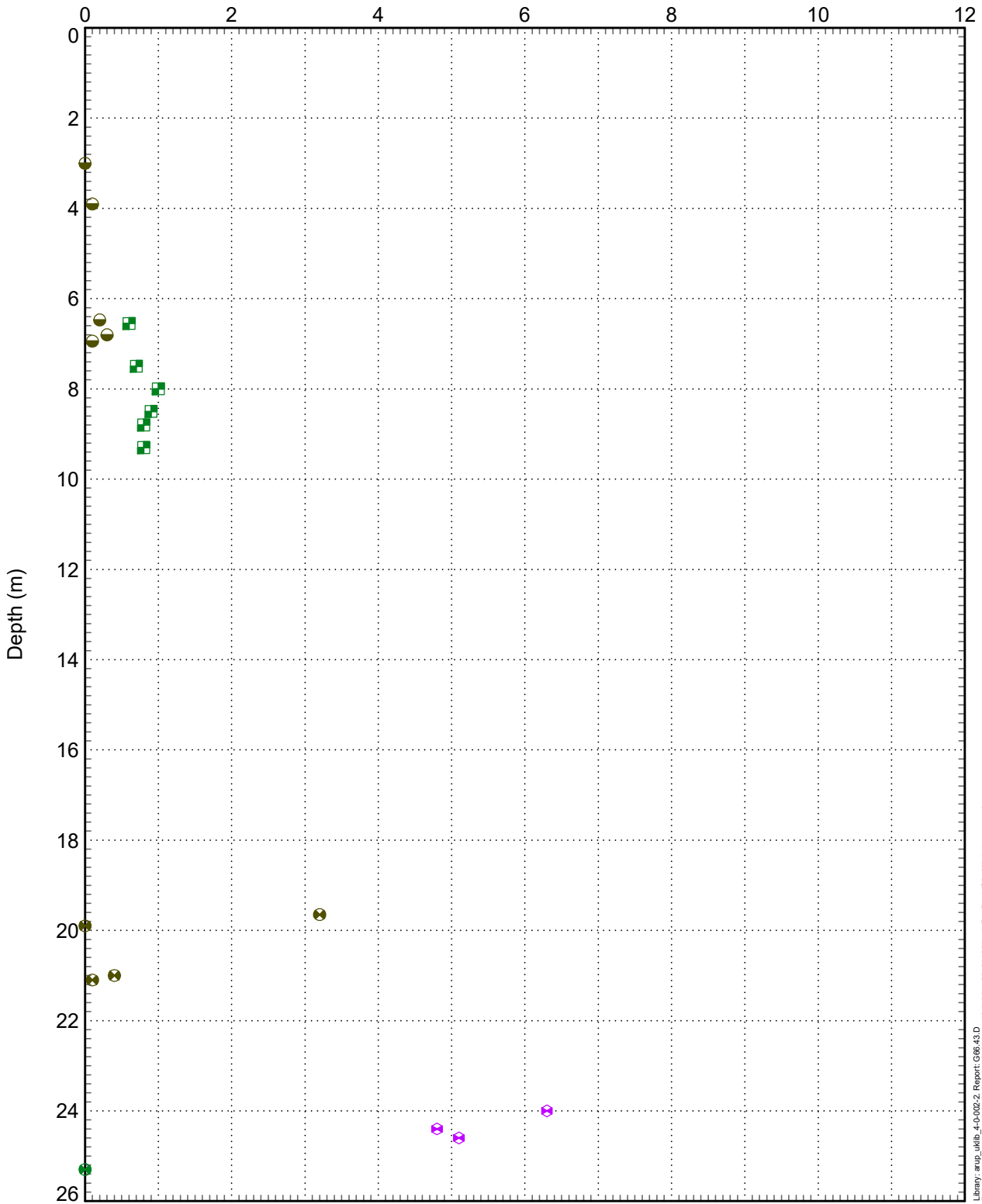
Job Title  
**A66 NTP**

Figure Title  
**Point load index (size corrected)  
Axial tests**

Job No  
**276821**

Figure No  
**S9-19a**

Point load index (size corrected),  $I_{s(50)}$  (MPa)



I:\Users\jamie.belkin\desktop\A66\211021\gff\_RevP1.1 (S0 - Work in progress)  
 Database: c:\users\jamie.belkin\desktop\A66\211021\gff\_RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Limestone (RK-Lst)
- BH SBC001
- BH SBC009
- ⊗ BH SBC014A
- ⊗ BH SBC015

# ARUP

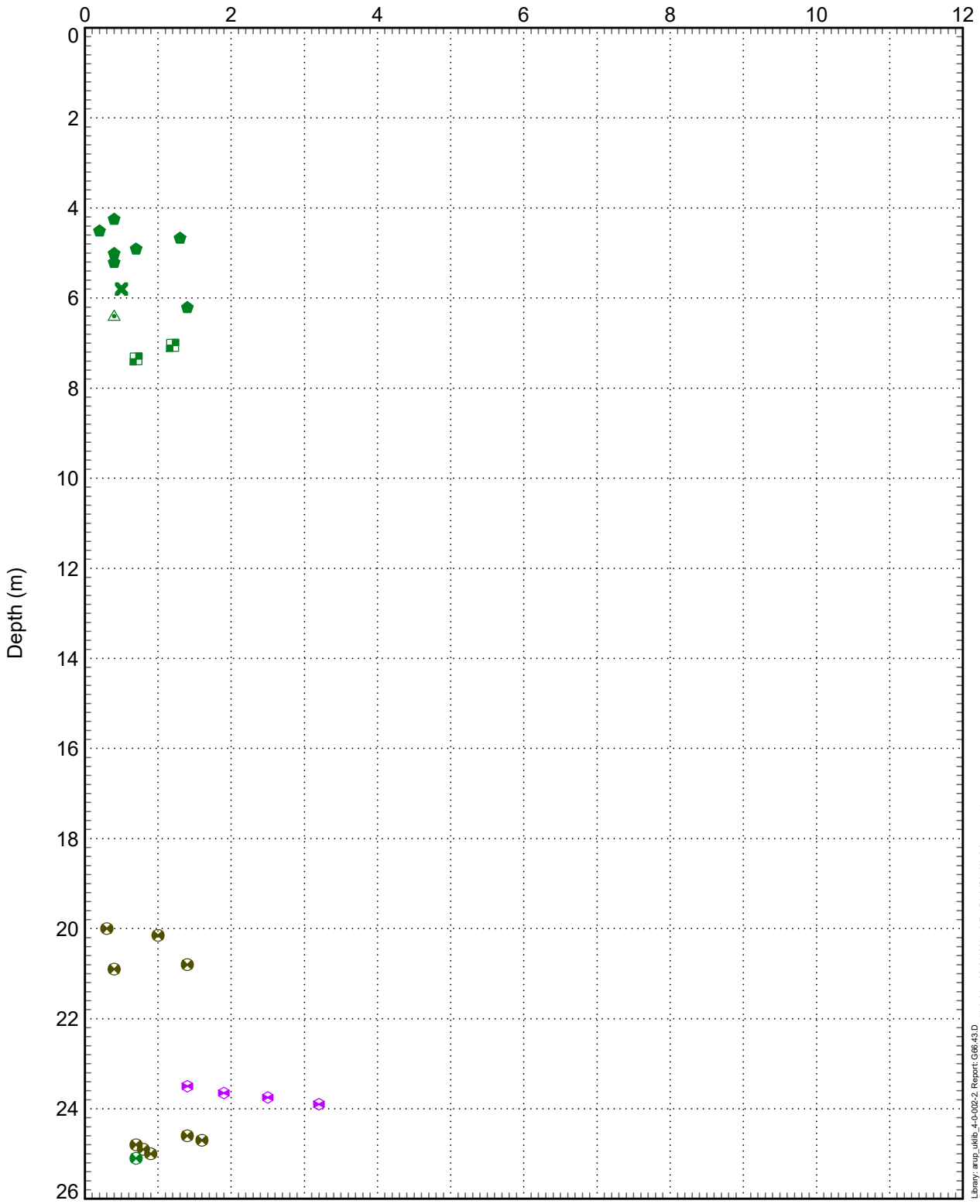
Job Title  
**A66 NTP**

Figure Title  
**Point load index (size corrected)  
Diametral tests**

Job No  
**276821**

Figure No  
**S9-19b**

Point load index (size corrected),  $I_{s(50)}$  (MPa)



I:\Users\jamie.belkin\Bentley\Projects\A66\A66\_211021.gdb\_RevP1.1 (S0 - Work in progress)  
 Database: c:\users\jamie.belkin\desktop\A66\A66\_211021.gdb\_RevP1.1 (S0 - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- Limestone (RK-Lst)
- ▲ BH SBC005
- ✕ BH SBC006
- BH SBC007
- BH SBC009
- BH SBC014A
- BH SBC015

# ARUP

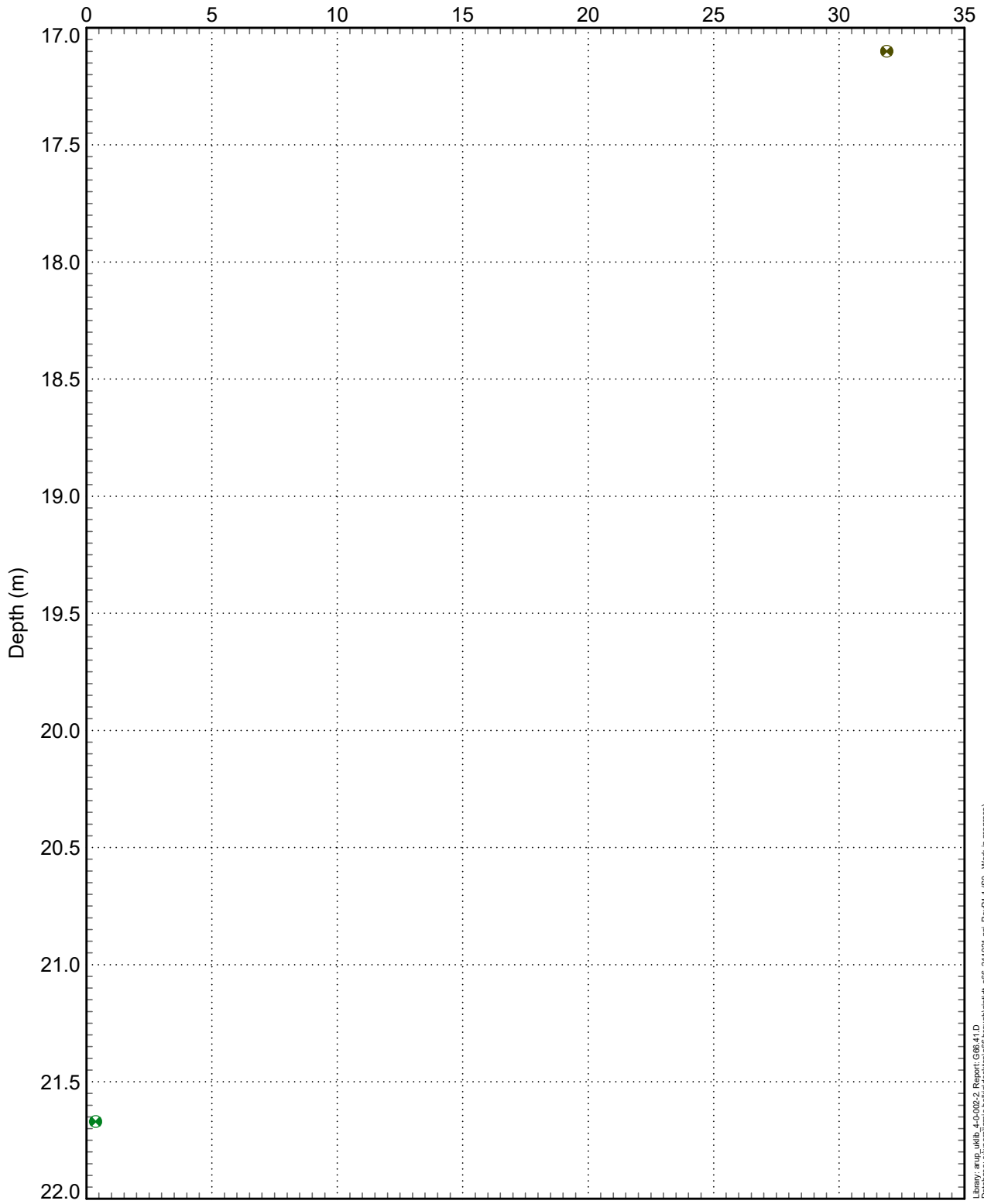
Job Title  
**A66 NTP**

Figure Title  
**Point load index (size corrected)  
Irregular lump tests**

Job No  
**276821**

Figure No  
**S9-19c**

Uniaxial (unconfined) compressive strength,  $\sigma_c$  (MPa)



I:\Users\jmb\Documents\A66\A66\_211021.gdb Report\_C06.rpt  
 Database: c:\users\jmb\Documents\A66\A66\_211021.gdb RevP1.1 (SO - Work in progress)

- Sandstone (RK-Sdst)
- Mudstone (RK-Mdst)
- BH SBC014A

# ARUP

Job Title  
A66 NTP

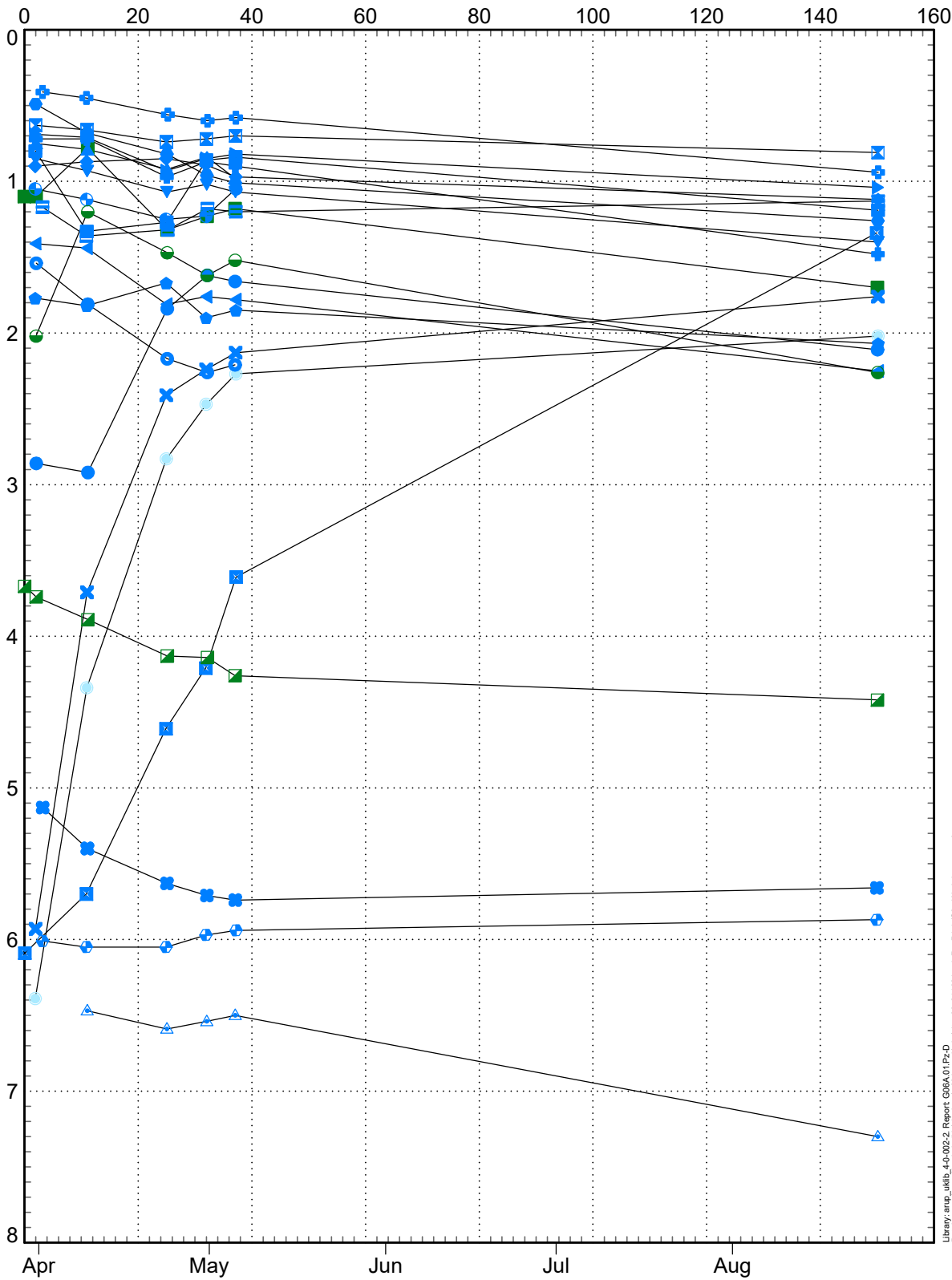
Figure Title  
Uniaxial compressive strength

Job No  
**276821**

Figure No  
**S9-20**



DAYS SINCE 29 MARCH 2021



Library: arup\_uelib\_4-0-002-2; Report: G06A.01/Pz-D  
 Database: c:\users\jamie.belkin\desktop\pds\_brought\ntd\_ar66\_211021.gpr RevP1.1 (SO - Work in progress)

ARUP\_gINT v10.00.01.07. Made by Jamie Belkin on 22-Oct-21

- |                                    |                       |
|------------------------------------|-----------------------|
| ■ Mudstone (RK-Mdst)               | ⊠ BH SBC022 @ 1.50m   |
| ■ Glacial Deposits Cohesive (GD-C) | ● BH SBC023A @ 8.50m  |
| ■ Glacial Deposits Granular (GD-G) | ⊕ BH SBC026 @ 4.50m   |
| ● BH SBC002 @ 4.00m                | ◆ BH SBC027 @ 2.50m   |
| ■ BH SBC008 @ 4.00m                | ⊞ BH SBC029 @ 4.50m   |
| ▲ BH SBC011 @ 2.50m                | ⊕ BH SBC030 @ 3.00m   |
| ● BH SBC013 @ 8.00m                | ⊕ BH SBC031 @ 6.50m   |
| ● BH SBC016 @ 5.00m                | ⊠ BH SBC032A @ 7.00m  |
| ▼ BH SBC017 @ 3.00m                | ● BH SBC005 @ 3.00m   |
| ⊕ BH SBC018 @ 2.50m                | ⊠ BH SBC006 @ 7.00m   |
| ■ BH SBC019 @ 3.50m                | ● BH SBC009 @ 5.00m   |
| ■ BH SBC020 @ 5.50m                | ▲ BH SBC014A @ 14.00m |
| ▼ BH SBC021 @ 2.50m                | ✕ BH SBC024 @ 15.00m  |
|                                    | ● BH SBC025 @ 4.00m   |

# ARUP

Job Title  
**A66 NTP**

Figure Title  
**Piezometric data vs time**

Job No  
**276821**

Figure No  
**S9-21**

## **E Geo-Environmental Testing Suites**

## E.1 Testing Suites and Limit of Detections

### SOIL TESTING

Determinand	Units	LoD
<b>Suite E1a - Primary Metals and Metalloids</b>		
Arsenic	mg/kg	1
Boron (Water Soluble)	mg/kg	1
Cadmium	mg/kg	1
Total Chromium	mg/kg	1
Trivalent Chromium	mg/kg	1
Hexavalent Chromium	mg/kg	1
Copper	mg/kg	1
Lead	mg/kg	1
Mercury	mg/kg	1
Nickel	mg/kg	1
Selenium	mg/kg	1
Zinc	mg/kg	1
<b>Suite E2 – Inorganics</b>		
pH	pH units	0.1
SOM	% w/w	0.01
TOC	% w/w	0.01
Sulphate	mg/kg	0.01
Sulphides	mg/kg	0.01
Loss on ignition	% w/w	0.1
<b>Suite E3 - CN/Phenol</b>		
Free Cyanide	mg/kg	1
Phenols - total	mg/kg	1
<b>Suite E4a - Asbestos</b>		
Asbestos Presence and ID	% w/w	0.001
<b>Suite E4b - Asbestos</b>		
Asbestos Quantification	% w/w	0.001
<b>Suite E6a - TPHCWG</b>		
TPHCWG	mg/kg	0.01
<b>Suite E6b – BTEX</b>		
BTEX	mg/kg	0.01
<b>Suite E7a - Speciated PAHs 1</b>		
USEPA 16 PAHs	mg/kg	0.01

## GROUNDWATER AND SURFACE WATER TESTING

Determinand	Units	LoD
<b>Suite F1a - Metals and Metalloids</b>		
Arsenic	µg/l	1
Cadmium	µg/l	0.01
Chromium (III & VI)	µg/l	1
Copper	µg/l	0.1
Iron	µg/l	100
Lead	µg/l	0.1
Mercury	µg/l	0.01
Nickel	µg/l	1
Selenium	µg/l	1
Zinc	µg/l	1
pH value	pH Units	0.1
Calcium	mg/l	1
Hardness	CaCO <sub>3</sub> µg/l	2
Alkalinity as CaCO <sub>3</sub>	µg/l	2
Dissolved organic carbon (DOC)	µg/l	1
<b>Suite F1b - Metals and Metalloids</b>		
Boron	µg/l	100
Magnesium	mg/l	1
Manganese	µg/l	1
Molybdenum	µg/l	1
Vanadium	µg/l	1
<b>Suite F2 - Major Ions</b>		
Sulphate	µg/l	1000
Chloride	mg/l	10
Nitrate	µg/l	1
Sulphide	µg S <sup>2-</sup> /l	0.1
Nitrite	µg/l	100
Sodium	mg/l	100
Potassium	mg/l	1
<b>Suite F3 - Ammoniacal Nitrogen</b>		
Ammoniacal Nitrogen (to be reported as ammoniacal nitrogen as N and as unionised ammonia)	µg/l	50

<b>Suite F5 - Total Suspended Solids</b>		
Total Suspended Solids	mg/l	10
<b>Suite F6 - Oxygen Demand</b>		
Biological Oxygen Demand	µg O <sub>2</sub> /l	1000
Chemical Oxygen Demand	µg O <sub>2</sub> /l	50
<b>Suite F7a – TPHCWG</b>		
TPHCWG	µg/l	1
<b>Suite F7b – BTEX</b>		
BTEX	µg/l	0.1
<b>Suite F8 - Speciated PAHs</b>		
PAHs (USEPA 16)	µg/l	0.0001
<b>Suite F10 Phenols and Cyanides</b>		
Free cyanide	µg/l	0.5
Phenol	µg/l	1

## E.2 Scheme 9 Sample Register

Exploratory Hole Number	Depth	Strata Type	Suite of analysis								
			Suite E1a - Primary Metals and Metalloids	Suite E2 - Inorganics	Suite E3 - Cyanide/Phenol	Suite E4a - Asbestos Presence & ID	Suite E4b - Asbestos Quantification	Suite E6a - TPHCWG	Suite E6b - BTEX	Suite 7a - USEPA PAHs	Suite H - 2 Stage Inert Waste Landfill Schedule S1.20.5
TP SBC009	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC007	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC011	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC011	3	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
BHSBC006	0.1	Made Ground	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC006	1	Made Ground	✓	✓	✓			✓	✓	✓	
TP SBC024	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC025	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
BH SBC014A	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC027	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC027	4	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
TP SBC005	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC005	2.5	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
TP SBC028	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC028	5	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
TP SBC029	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
BH SBC011	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC009	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC012	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC012	2.4	Made Ground	✓	✓	✓			✓	✓	✓	✓
BH SBC015	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC015	2.2	Made Ground	✓	✓	✓			✓	✓	✓	
TP SBC002	1	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
TP SBC003	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC004	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC031	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC031	2.2	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓

Exploratory Hole Number	Depth	Strata Type	Suite of analysis								
			Suite E1a - Primary Metals and Metalloids	Suite E2 - Inorganics	Suite E3 - Cyanide/Phenol	Suite E4a - Asbestos Presence & ID	Suite E4b - Asbestos Quantification	Suite E6a - TPHCWG	Suite E6b - BTEX	Suite 7a - USEPA PAHs	Suite H - 2 Stage Inert Waste Landfill Schedule S1.20.5
TP SBC032	0.3	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC032	1.2	Glacial Deposit	✓	✓	✓			✓	✓	✓	
TP SBC033	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
BH SBC005	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC007	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC001	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC017	0.4	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC017	1.2	Glacial Deposit	✓	✓	✓			✓	✓	✓	
TP SBC018	2.2	Glacial Deposit	✓	✓	✓			✓	✓	✓	✓
TP SBC034	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC028	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC019	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC020	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC021	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC023A	1	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC013	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC013	4	Glacial Deposit	✓	✓	✓			✓	✓	✓	
TP SBC015	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC023	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
BH SBC029	1	Glacial Deposit	✓	✓	✓			✓	✓	✓	
TP SBC030	0.4	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC042	0.3	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC022	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
TP SBC035	0.4	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC017	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC030	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC030	1	Glacial Deposit	✓	✓	✓			✓	✓	✓	
BH SBC001	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC018	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	

Exploratory Hole Number	Depth	Strata Type	Suite of analysis								
			Suite E1a - Primary Metals and Metalloids	Suite E2 - Inorganics	Suite E3 - Cyanide/Phenol	Suite E4a - Asbestos Presence & ID	Suite E4b - Asbestos Quantification	Suite E6a - TPHCWG	Suite E6b - BTEX	Suite 7a - USEPA PAHs	Suite H - 2 Stage Inert Waste Landfill Schedule S1.20.5
BH SBC019	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC020	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC025	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC027	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC036	0.2	Glacial Deposit	✓	✓	✓	✓		✓	✓	✓	
TP SBC038	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC039	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC040	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
TP SBC044	0.3	Made Ground	✓	✓	✓	✓		✓	✓	✓	
BH SBC016	0.3	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC013	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC013	1.2	Topsoil	✓	✓	✓			✓	✓	✓	
BH SBC026	0.2	Made Ground	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC026	2.5	Glacial Deposit	✓	✓	✓			✓	✓	✓	
BH SBC031	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC031	2.5	Glacial Deposit	✓	✓	✓			✓	✓	✓	
TP SBC041	0.2	Topsoil	✓	✓	✓			✓	✓	✓	
BH SBC021	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
BH SBC024	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC024	2	Glacial Deposit	✓	✓	✓			✓	✓	✓	
BH SBC032	0.5	Made Ground	✓	✓	✓	✓		✓	✓	✓	
BH SBC022	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC002	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
BH SBC021	4	Glacial Deposit	✓	✓	✓			✓	✓	✓	



### E.3 Scheme 11 Sample Register

Exploratory Hole Number	Depth	Strata Type	Suite of analysis								
			Suite E1a - Primary Metals and Metalloids	Suite E2 - Inorganics	Suite E3 - Cyanide/Phenol	Suite E4a - Asbestos Presence & ID	Suite E4b - Asbestos Quantification	Suite E6a - TPHCWWG	Suite E6b - BTEX	Suite 7a - USEPA PAHs	Suite H - 2 Stage Inert Waste Landfill Schedule S1.20.5
HDP A1SC001A	0.3	Made Ground	✓	✓	✓	✓		✓	✓	✓	
HDP A1SC001A	1	Made Ground	✓	✓	✓	✓		✓	✓	✓	✓
HDP A1SC002	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
HDP A1SC002	1	Made Ground	✓	✓	✓	✓		✓	✓	✓	
HDP A1SC003	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
HDP A1SC003	1	Glacial Deposits	✓	✓	✓	✓		✓	✓	✓	
WS A1SC005	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
WS A1SC005	1	Made Ground	✓	✓	✓	✓		✓	✓	✓	
WS A1SC006	0.2	Topsoil	✓	✓	✓	✓		✓	✓	✓	
WS A1SC006	1	Topsoil	✓	✓	✓	✓		✓	✓	✓	✓
WS A1SC006	1.9	Made Ground	✓	✓	✓	✓		✓	✓	✓	

## **F Geo-Environmental Risk Assessment Methodology**

## F.1 Human Health Risk Assessment Methodology

The screening approach adopted by the A66 NTP Integrated Project Team is consistent with the “Tier 2 Generic Quantitative Risk Assessment” (GQRA) approach as detailed in the Land Contamination Risk Management [45] framework guidance for the investigation of potentially contaminated land.

Potential risks to human health associated with soils encountered during the ground investigation have been assessed by screening the results of chemical testing against relevant Generic Assessment Criteria (GAC).

The screening approach identifies if there are potentially unacceptable risks to human receptors from exposure to soil contaminants, and whether there is a need for additional site-specific risk assessment or to undertake remedial action to mitigate risks should exceedances be identified.

GACs represent trigger values that may indicate a “Significant Possibility of Significant Harm” (SPOSH) to human health if contaminants exceed the level noted. Where soil concentration values are below the GACs and where the land use scenario selected is representative of, or conservative for the site being investigated, it can be assumed it is unlikely SPOSH exists, and remedial action would not be required to render a site fit for purpose.

When a GAC is exceeded it is not necessarily a sign the land is contaminated to an extent that the site is unsuitable for its current or intended use and requires remediation, however more consideration should be given to determine if it truly reflects a risk under a more site-specific land use. Further assessment may comprise Detailed Quantitative Risk Assessment (DQRA) which removes many of the generic (and therefore conservative) assumptions inherent in a GAC.

Generic Assessment Criteria (GAC) are for the most part (with the exception of cyanide) protective of chronic (i.e. long term, low dose) exposure rather than the effects of acute (i.e. short term, high dose) exposure. In general, GACs which are protective of chronic exposure are orders of magnitude lower than GACs which are protective of acute exposure.

Cyanide, however is toxic by acute (oral) exposure and the cyanide GAC is protective of the acute exposure route.

Soil Samples have been screened against Generic Assessment Criteria (GAC) selected from the following strict hierarchy:

- Category 4 Screening Levels (C4SLs) as coordinated by CL:AIRE on behalf of the Department for Environment, Food and Rural Affairs [50]
- LQM/CIEH Suitable 4 Use Levels (S4UL) [50] where published C4SLs are not available;  
or
- Atkins ATRISKsoil Soil Screening Values (SSVs) [52]

The adopted assessment criteria have been developed under the UK approach to risk assessment and are fully compliant with parameters as specified in the Environment Agency’s series of guidance documents. GACs have been developed for a number of ‘standard’ land uses,.

Following a review of the standard land use scenarios underpinning these models, we are of the opinion the “Public Open Space – Park” (POSPark) land use, is considered to be suitably precautionary for the development under consideration (i.e. major highway scheme with associated earthworks, structures, road verge landscaping and ancillary features such as attenuation ponds etc) with regards to selection of critical receptor and behavioural exposure parameters.

Organic contamination can be bound to organic matter within soils, which reduces the mobility and availability of organic contaminants to the environment. The more organic matter present, the less mobile organic contaminants are.

A low Soil Organic Matter (SOM) value of 1% is considered to be conservative for the purposes of the assessment and has been selected when selecting GACs.

## F.2 Controlled Waters Risk Assessment Methodology

A tiered approach has been developed to assess leachate, groundwater and surface water samples recovered from the ground investigation.

An assessment of the risk to controlled waters (groundwater resource and surface waters) has been undertaken in line with the Groundwater Protection Guidance [47]. The document outlines basic concepts and principles of management, monitoring and risk assessment for groundwater with respect to protecting the quality and quantity of groundwater in accordance with the Water Framework Directive (2000/60/EC).

Due to the linear nature of the scheme, the spatial distribution of the sample locations and the limited amount of groundwater, leachate and surface water analytical data, it is not appropriate to infer correlations between sampling locations and each sample has been assessed as a discrete data point.

Water samples recovered as part of this ground investigation comprise a baseline survey of groundwater and surface waters prior to construction activities, and therefore substances failing Tier 1 (T1) or Tier 2 (T2 DWS or T2 EQS) assessment will be reported factually for information only.

### Tier 1 Assessment (T1)

Groundwater, leachate and surface water samples have been subject to an initial conservative Tier 1 (T1) controlled waters assessment. This has utilised the lower of the UK Drinking Water Standards (DWS) [57] or Environmental Quality Standards (EQS) [58] following the process outlined below:

- Use the lowest of DWS or EQS
- Hierarchy of formal DWS as follows:
  - UK/EU DWS
  - WHO DWS
  - USEPA DWS
- Hierarchy of EQS as follows:
  - use MAC (Maximum Allowable Concentration)
  - If no MAC, use AA (Annual Average)
- If no DWS or EQS is available, use limit of detection (LoD)

However, there are a number of substances for which there is no relevant Water Quality Standard (WQS). For these substances without a formal WQS, a substance specific decision has been made to either adopt the LoD as a conservative WQS, or to not assign a WQS and report the data for information only.

Tier 1 (T1) Water Quality Standards (WQS) are summarised in Appendix F.

Locations where exceedances of T1 WQS have been identified are reviewed to determine whether it is possible to exclude the DWS or EQS receptors from the T1 assessment (e.g. due to sample type / proximity to surface water etc). If it is possible to exclude the DWS or EQS receptor, the T1 exceedances can progress to a more relevant T2 (DWS) or T2 (EQS) assessment.

T1 exceedances identified at locations where DWS and EQS are both considered relevant are unable to progress to a T2 CWRA.

## Tier 2 Assessment (T2)

The Tier 2 Assessment recognises the importance of assessing the sample against the relevant WQS at the correct assessment point. (e.g. a groundwater sample, distal to a surface water receptor would be assessed against Drinking Water Standards (DWS) only to protect groundwater drinking water resources, and a surface water sample would be assessed against EQS only).

The assessment point (AP) is also important.

- For Drinking Water protection, the AP is at the abstraction point / consumer tap;
- For Groundwater resource protection, the AP is 50m downgradient of the source; and
- For Surface Water protection, the AP is in the Surface Water, after Dilution.

## Tier 2 Groundwater Resource Protection Assessment (T2 DWS)

For substances that exceed the Tier 1 (T1) assessment at locations where only groundwater resource protection is considered relevant, a Tier 2 Groundwater Resource Protection Assessment (T2 DWS) has been undertaken with the following rules applied:

- Hierarchy of formal DWS as follows:
  - UK/EU DWS
  - WHO DWS
  - USEPA DWS
- For Hazardous Substances:
  - use formal DWS if available.
  - If no formal DWS available, Use MRL / LoD.
- For Non Hazardous Substances,
  - use formal DWS if available.
  - if no formal DWS available, do not evaluate / no assessment is required.

Tier 2 Groundwater Resource Protection Assessment (T2 DWS) water quality standards are summarised in Appendix F.

## Tier 2 Surface Water Assessment (T2 EQS)

For substances that exceed the Tier 1 (T1) assessment at locations where only surface water protection is considered relevant, a Tier 2 Surface Water Assessment (T2 EQS) has been undertaken with the following rules applied:

- if EQS are available, use EQS
- Hierarchy of EQS as follows:
  - use MAC (Maximum Allowable Concentration)
  - If no MAC, use AA (Annual Average)
- For Copper, Manganese and Zinc, consider using bioavailability corrections (M-BAT) tool;
- if no EQS is available,
  - consider developing Predicted No-Effect concentration (PNEC) or
  - alternatively, consider MRL / LOD

Tier 2 Surface Water Assessment (T2 EQS) water quality standards are summarised in Appendix F.

## G Waste Hazard Assessment Methodology

It is hoped the scheme design can be optimised to retain / incorporate all site won excavated soils within the wider project and to minimise the requirement for off-site disposal. However, it is likely a proportion of site generated excavation arisings may be unsuitable for re-use within the scheme due to programme, storage space, geotechnical or geoenvironmental properties and therefore require to be discarded as waste.

A preliminary waste classification exercise has been undertaken using the results obtained from the ground investigations to determine the likely waste classification of soils within the scheme and provide a likely List of Waste (LoW) code in the event they require to be discarded as a waste.

Waste classification is a two-stage process, with the first step comprising a hazardous properties assessment of the soil quality data in line with the guidance set out in the Environment Agency: Guidance on the Classification and Assessment of Waste Technical Guidance WM3 document [59], to provide the likely LoW code.

The LoW codes are required to be provided to the receiving landfill. In relation to 'Construction and Demolition Wastes' the most likely relevant LoW codes are as follows:

- **17 05 03** - 'Hazardous' materials will have a LoW code of "Construction and Demolition Wastes \* (soils and stones containing hazardous substances)". or
- **17 05 04** - 'Non-Hazardous' materials have the LoW code: "Construction and Demolition Wastes (soils and stones other than those in 17 05 03)".

If soils are classified as "non-hazardous" (LoW code 17 05 04), no further assessment is necessary and they may either be deposited in a 'non-hazardous' waste landfill (for which no WAC tests are required) or may potentially be considered as 'inert' waste (a sub-set of 'non-hazardous' waste), however this would require confirmation of suitability for this particular waste stream through WAC testing.

However, if soils are classified as "hazardous" (LoW code 17 05 03), a second step is required to be undertaken which assesses the potential mobility of the contaminants within the materials in a landfill by considering the results of waste acceptance criteria (WAC) testing

Generally, wastes that are classified as 'hazardous' require to be deposited in a hazardous waste landfill or within a stable non-reactive hazardous waste cell (typically restricted to asbestos containing materials) (depending on the WAC test results and interpretation).

Soil quality data from the ground investigation was entered into a hazard assessment tool, HazWasteOnline™

HazWasteOnline™ includes several options for using the different valencies (chemical species) or compounds that may be present, (e.g. whether the chromium found is chromium III or the less common but more toxic chromium VI). Where these options were available these were generally set at the default (worst case assessment) for the model in accordance with the guidance set out in EA WM3. Where this is not the case justification and site-specific reasoning is given.

It must be noted that hazardous waste guidance in the UK is revised at regular intervals and the results of the assessment could change with subsequent revisions.

### Project specific amendments made to the default assumptions within HazWasteOnline

Default parameters HazWasteOnline™ assessment model can sometime provide an overly conservative assessment of the hazard posed by substances and therefore, as per the model guidance, a number of site specific amendments require to be made more accurately reflect the specific species of contaminants found within the schemes. These are summarised as follows

1. Issues with the HazWasteOnline™ waste stream template which have been fixed:
  - a. The C5 band without a CAS-RN has been ignored.
  - b. Total TPH C10-C40 ali/aro has ignored.
  - c. Total TPH C5-C40 has been amended to TPH C6-C40.
2. Four different populations have been identified: Topsoil, Made Ground, Superficial Deposits and Rock each of which have separate jobs on HazWasteOnline™ for each soil type/population.
3. It is assumed Made Ground is homogenous vertical and laterally.
4. Metal species have been managed as follows:
  - a. **Arsenic** (arsenic) - arsenic could be present on agricultural land due to application of insecticide/wood preservative.
  - b. **Boron** (diboron trioxide; boric acid) - based on the hazard statements and molecular weight, physical form, and low solubility of Boron it is likely more soluble forms have been mobilised already on agricultural land.
  - c. **Cadmium** (Cadmium oxide) – Species based on the hazard statements, molecular weight, and very low solubility in water. The worst-case compounds (cadmium sulphate, chloride, fluoride & iodide) are not expected as they are either very soluble and/or compound's industrial usage not related to site history as site has been in agricultural land use
  - d. **Chromium III** (Chromium III oxide) – There is only one option on the template, and it is a reasonable worst case.
  - e. **Chromium VI compounds** – Although it can be found in wood preservatives there is no likely industrial /contaminative land use source on the sites.
  - f. **Copper** (Copper (I) oxide) - Based on hazard statements, molecular weight and insolubility in water. Sources can include brake pads/fungicides however, there are no likely industrial sources observed in the historical or current industrial review. It is also noted that the worst-case compound, copper sulphate, is very soluble and likely to have been leached away if ever present.
  - g. **Lead** compounds - Reasonable worst-case compound as there is insufficient chromium VI for lead chromate to be present.
  - h. **Mercury** inorganic compounds - Reasonable worst-case compound as the sites have a very limited industrial history.
  - i. **Nickel** (Dinickel hexacyano ferrate) - Reasonable worst-case compound as no industrial sources and insufficient Chromium VI for nickel chromate to be present.
  - j. **Selenium** (nickel (II) selenite) – The next most likely worst-case compound, nickel selenate, is soluble in water and as site is agricultural land it is likely to have been leached from soils if ever present.

- k. **Zinc** - Reasonable worst-case compound given that there is insufficient chromium VI for zinc chromate to be present and no potential industrial sources for zinc chloride, zinc sulphate or zinc phosphate.
  - l. **Cyanide** (Salts of hydrogen cyanide) - Harmonised group entry used as most reasonable, it is unlikely complex cyanides and those specified elsewhere in the annex are present in this soil. *Note conversion factor based on a worst-case compound: sodium cyanide*
5. Flammable hazardous property thresholds have been altered to 10,000mg/kg. This is because the Hazardous Property (HP) HP 3 (i) – Flammable is unlikely to apply to this waste stream, due to the solid soil and natural moisture content of the samples. The concentration required to provide a flammability risk is >10,000mg therefore, the risk of flammability from solid state soils with <1000mg/kg TPH is negligible.



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# H Geo-Environmental Screening Assessment

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## H.1 Scheme 9 Human Health

Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50



Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Saturation Value	Total > Saturation	Hole Ref	BH SBC001	BH SBC002	BH SBC005	BH SBC006	BH SBC006	BH SBC007	BH SBC008	BH SBC009	BH SBC010	BH SBC011	BH SBC012	BH SBC012	BH SBC013	BH SBC013
										1	2	1	1	1	4	4	2	3	16	3	1	1	2	1
Arsenic	170	C4SL	mg/kg	93 of 93	0	1.8	16	0	0	8.3	6.2	9.8	6	3.6	7.7	4.3	7.6	6.3	7.1	8.6	9.9	7.7	9.8	9.8
Boron	46000	LQM S4UL	mg/kg	79 of 93	0	0.2	3.9	0	0	0.8	0.7	0.6	0.6	0.5	0.8	3.9	0.7	0.8	1.1	0.8	1.1	0.6	0.3	0.3
Cadmium	880	C4SL	mg/kg	91 of 93	0	0.1	0.8	0	0	0.8	0.4	0.4	0.2	0.2	0.4	0.1	0.4	0.5	0.4	0.5	0.2	0.4	0.4	0.4
Chromium	33000		mg/kg	No GAC	-	4.1	29	0	0	13	16	16	16	7.3	15	29	15	18	13	14	21	15	18	18
Trivalent Chromium	250	C4SL	mg/kg	93 of 93	0	1	1	0	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium - Hexavalent	44000	LQM S4UL	mg/kg	93 of 93	0	8.6	68	0	0	23	16	29	56	15	19	9.8	20	17	16	23	29	29	29	29
Copper	1300	C4SL	mg/kg	93 of 93	0	3.5	58	0	0	46	35	40	19	20	37	3.5	38	37	37	58	26	48	30	30
Lead	240	LQM S4UL	mg/kg	14 of 93	0	0.05	0.19	25.8	0	0.05	0.09	0.1	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	0.05	<0.05	0.06	<0.05	<0.05
Mercury	3400	LQM S4UL	mg/kg	93 of 93	0	2.2	42	0	0	20	8.5	12	26	8.3	8.2	2.2	7.8	16	9.2	9.2	33	13	38	38
Nickel	1800	LQM S4UL	mg/kg	13 of 93	0	0.5	2.1	0	0	<0.5	<0.5	1.5	<0.5	<0.5	1.1	2.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Selenium	170000	LQM S4UL	mg/kg	93 of 93	0	20	120	0	0	93	64	94	50	41	79	20	86	74	69	94	100	90	80	80
Zinc	90	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	0	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	87000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	869	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	17000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	518	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylene	17000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	0	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C5-6	95000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	304	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	150000	LQM S4UL	mg/kg	1 of 93	0	0.01	0.06	144	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	14000	LQM S4UL	mg/kg	1 of 93	0	0.01	0.19	78	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	21000	LQM S4UL	mg/kg	0 of 93	0	1.5	1.5	48	0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Aliphatics >C12-16	25000	LQM S4UL	mg/kg	1 of 93	0	1.2	6	24	0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aliphatics >C16-21	450000	LQM S4UL	mg/kg	1 of 93	0	1.5	12	0	0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Aliphatics >C21-35	450000	LQM S4UL	mg/kg	2 of 93	0	3.4	140	0	0	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Aliphatics >C35-44	450000	LQM S4UL	mg/kg	2 of 93	0	3.4	68	0	0	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Aliphatics >C10-44	76000	LQM S4UL	mg/kg	No GAC	-	10	210	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatics >C5-7	87000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	869	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C7-8	7200	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	613	0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	9200	LQM S4UL	mg/kg	6 of 93	0	0.9	5.5	364	0	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	5.5	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Aromatics >C10-12	10000	LQM S4UL	mg/kg	6 of 93	0	0.5	65	0	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aromatics >C16-21	7600	LQM S4UL	mg/kg	6 of 93	0	0.6	310	0	0	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	250	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Aromatics >C21-35	7800	LQM S4UL	mg/kg	6 of 93	0	1.4	790	0	0	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	360	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Aromatics >C35-44	7800	LQM S4UL	mg/kg	3 of 93	0	1.4	190	0	0	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	23	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Aromatics >C10-44	29000	LQM S4UL	mg/kg	No GAC	-	10	1300	0	0	<10	<10	<10	<10	<10	<10	640	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics and Aromatics C10-C44	29000	LQM S4UL	mg/kg	No GAC	-	10	1300	0	0	<10	<10	<10	<10	<10	<10	640	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthene	29000	LQM S4UL	mg/kg	0 of 93	0	0.03	46	0	0	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	2.6	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Acenaphthylene	29000	LQM S4UL	mg/kg	2 of 93	0	0.03	4.2	0	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.12	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Anthracene	150000	LQM S4UL	mg/kg	14 of 93	0	0.03	84	0	0	<0.03	<0.03	<0.03	0.13	0.04	<0.03	2.9	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03
Benzo(a)anthracene	49	LQM S4UL	mg/kg	25 of 93	1	0.03	200	0	0	<0.03	0.04	<0.03	0.26	0.12	<0.03	5.8	0.03	0.07	0.05	0.04	0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	11	LQM S4UL	mg/kg	16 of 93	1	0.03	140	0	0	<0.03	0.04	<0.03	0.14	0.06	<0.03	4.1	<0.03	0.04	0.04	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(b)fluoranthene	13	LQM S4UL	mg/kg	22 of 93	1	0.03	84	0	0	<0.03	0.04	<0.03	0.22	0.11	<0.03	4.7	0.04	0.07	0.05	0.04	<0.03	<0.03	<0.03	<0.03
Benzo (g,h,i) perylene	1400	LQM S4UL	mg/kg	14 of 93	0	0.03	91	0	0	<0.03	0.04	<0.03	0.07	0.04	<0.03	1.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(k)fluoranthene	370	LQM S4UL	mg/kg	14 of 93	0	0.03	77	0	0	<0.03	0.04	<0.03	0.09	0.04	<0.03	2.1	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chrysene	93	LQM S4UL	mg/kg	24 of 93	1	0.03	200	0	0	<0.03	0.05	<0.03	0.33	0.14	0.04	4.7	0.03	0.05	0.06	0.07	0.03	<0.03	<0.03	<0.03
Dibenz-a-h-anthracene	1.1	LQM S4UL	mg/kg	4 of 93	0	0.03	1	0	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.48	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Fluoranthene	6300	LQM S4UL	mg/kg	36 of 93	0	0.03	530	0	0	<0.03	0.08	0.05	1.1	0.39	0.09	14	0.06	0.11	0.12	0.17	<0.03	<0.03	<0.03	<0.03
Fluorene	20000	LQM S4UL	mg/kg	7 of 93	0	0.03	64	0	0	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	2.7	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Indeno(1,2,3-cd)pyrene	150	LQM S4UL	mg/kg	15 of 93	0	0.03																		













Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50

# ARUP

Hole Ref	TP SBC041	TP SBC042	TP SBC044	WS SBC004
Sample Ref	3	3	3	3
Easting	416449.484	415877.969	416279.78	412848.433
Northing	507814.858	508454.395	508092.521	510329.399
Hole Elevation (mOD)				
Sample Depth (mbgl)	0.2	0.3	0.3	0.3
Sample Date	09/03/21	03/03/21	08/03/21	23/02/21
Investigation	4322A	4322A	4322A	4322A
Geology	Topsail	Glacial Deposits	Topsail	Made Ground

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Saturation Value	Total > Saturation	TP SBC041	TP SBC042	TP SBC044	WS SBC004
Arsenic	170	C4SL	mg/kg	93 of 93	0	1.8	16		0	4.4	6.7	6.7	1.8
Boron	46000	LQM S4UL	mg/kg	79 of 93	0	0.2	3.9		0	1.2	0.5	0.6	1.1
Cadmium	880	C4SL	mg/kg	91 of 93	0	0.1	0.8		0	0.3	0.3	0.6	0.4
Chromium			mg/kg	No GAC	-	4.1	29		0	14	14	17	8.1
Trivalent Chromium	33000		mg/kg	93 of 93	0	4.1	29		0	14	14	17	8.1
Chromium - Hexavalent	250	C4SL	mg/kg	0 of 93	0	1	1		0	<1.0	<1.0	<1.0	<1.0
Copper	44000	LQM S4UL	mg/kg	93 of 93	0	8.6	68		0	21	19	22	9.6
Lead	1300	C4SL	mg/kg	93 of 93	0	3.5	58		0	20	33	39	9
Mercury	240	LQM S4UL	mg/kg	14 of 93	0	0.05	0.19	25.8	0	<0.05	<0.05	<0.05	<0.05
Nickel	3400	LQM S4UL	mg/kg	93 of 93	0	2.2	42		0	21	12	15	2.7
Selenium	1800	LQM S4UL	mg/kg	13 of 93	0	0.5	2.1		0	<0.5	<0.5	<0.5	0.6
Zinc	170000	LQM S4UL	mg/kg	93 of 93	0	20	120		0	61	65	72	37
Benzene	90	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01		0	<0.01	<0.01	<0.01	<0.01
Toluene	87000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	869	0	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	17000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	518	0	<0.01	<0.01	<0.01	<0.01
Xylene	17000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01		0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C5-6	95000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	304	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	150000	LQM S4UL	mg/kg	1 of 93	0	0.01	0.06	144	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	14000	LQM S4UL	mg/kg	1 of 93	0	0.01	0.19	78	0	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	21000	LQM S4UL	mg/kg	0 of 93	0	1.5	48		0	<1.5	<1.5	<1.5	<1.5
Aliphatics >C12-16	25000	LQM S4UL	mg/kg	1 of 93	0	1.2	6	24	0	<1.2	<1.2	<1.2	6
Aliphatics >C16-21	450000	LQM S4UL	mg/kg	1 of 93	0	1.5	12		0	<1.5	<1.5	<1.5	12
Aliphatics >C21-35	450000	LQM S4UL	mg/kg	2 of 93	0	3.4	140		0	<3.4	<3.4	<3.4	140
Aliphatics >C35-44	450000	LQM S4UL	mg/kg	2 of 93	0	3.4	68		0	<3.4	<3.4	<3.4	68
Aliphatics >C10-44			mg/kg	No GAC	-	10	210		0	<10	<10	<10	210
Aromatics >C5-7	76000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	1220	0	<0.01	<0.01	<0.01	<0.01
Aromatics >C7-8	87000	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01	869	0	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	7200	LQM S4UL	mg/kg	0 of 93	0	0.01	0.01		0	<0.01	<0.01	<0.01	<0.01
Aromatics >C10-12	9200	LQM S4UL	mg/kg	6 of 93	0	0.9	5.5	364	0	1.9	<0.9	<0.9	2.8
Aromatics >C12-16	10000	LQM S4UL	mg/kg	6 of 93	0	0.5	65		0	5.7	<0.5	<0.5	59
Aromatics >C16-21	7600	LQM S4UL	mg/kg	6 of 93	0	0.6	310		0	41	<0.6	<0.6	310
Aromatics >C21-35	7800	LQM S4UL	mg/kg	6 of 93	0	1.4	790		0	110	<1.4	<1.4	790
Aromatics >C35-44	7800	LQM S4UL	mg/kg	3 of 93	0	1.4	190		0	<1.4	<1.4	<1.4	190
Aromatics >C10-44			mg/kg	No GAC	-	10	1300		0	<10	<10	<10	1300
Total Aliphatics and Aromatics C10-C44			mg/kg	No GAC	-	10	1500		0	120	<10	<10	1500
Acenaphthene	29000	LQM S4UL	mg/kg	8 of 93	0	0.03	46		0	0.29	<0.03	<0.03	46
Acenaphthylene	29000	LQM S4UL	mg/kg	2 of 93	0	0.03	4.2		0	<0.03	<0.03	<0.03	4.2
Anthracene	150000	LQM S4UL	mg/kg	14 of 93	0	0.03	84		0	0.4	<0.03	<0.03	84
Benzo(a)anthracene	49	LQM S4UL	mg/kg	25 of 93	1	0.03	200		0	1.3	<0.03	<0.03	200
Benzo(a)pyrene	11	LQM S4UL	mg/kg	16 of 93	1	0.03	140		0	0.84	<0.03	<0.03	140
Benzo(b)fluoranthene	13	LQM S4UL	mg/kg	22 of 93	1	0.03	84		0	1.3	<0.03	<0.03	84
Benzo (g,h,i) perylene	1400	LQM S4UL	mg/kg	14 of 93	0	0.03	91		0	0.49	<0.03	<0.03	91
Benzo(k)fluoranthene	370	LQM S4UL	mg/kg	14 of 93	0	0.03	77		0	0.5	<0.03	<0.03	77
Chrysene	93	LQM S4UL	mg/kg	24 of 93	1	0.03	200		0	1.5	<0.03	<0.03	200
Dibenz-a-h-anthracene	1.1	LQM S4UL	mg/kg	4 of 93	0	0.03	1		0	<0.03	<0.03	<0.03	<1.0
Fluoranthene	6300	LQM S4UL	mg/kg	36 of 93	0	0.03	530		0	5.5	<0.03	<0.03	530
Fluorene	20000	LQM S4UL	mg/kg	7 of 93	0	0.03	64		0	0.23	<0.03	<0.03	64
Indeno(1,2,3-cd)pyrene	150	LQM S4UL	mg/kg	15 of 93	0	0.03	21		0	0.39	<0.03	<0.03	21
Naphthalene	1200	LQM S4UL	mg/kg	5 of 93	0	0.03	93	76.4	0	<0.03	<0.03	<0.03	93
Phenanthrene	6200	LQM S4UL	mg/kg	30 of 93	0	0.03	340		0	3.2	<0.03	<0.03	340
Pyrene	15000	LQM S4UL	mg/kg	31 of 93	0	0.03	400		0	4.2	<0.03	<0.03	400
Pah_Total			mg/kg	No GAC	-	0.1	2300		0	20	<0.10	<0.10	2300
pH			pH Units	No GAC	-	6.4	9.7		0	7.7	7.4	7.1	9.7
Sulphate as SO4			mg/kg	No GAC	-	215	12600		0	924	480	680	1760
Sulphate as SO4			mg/l	No GAC	-	30	180		0				
Sulphur			%	No GAC	-	0.02	0.6		0				
Sulphide			mg/kg	No GAC	-	10	250		0	84	<10	<10	16
Cyanide Free	34	Atkins ARisk	mg/kg	48 of 93	0	0.1	1.2		0	<0.1	0.1	0.3	<0.1
Phenol (Monohydric)	760	LQM S4UL	mg/kg	9 of 93	0	0.3	0.7		0	<0.3	<0.3	<0.3	<0.3
Loss on Ignition			%	No GAC	-	2.1	13		0	7.9	4.7	6.3	4.6
Organic matter			%	No GAC	-	0.1	9.3		0	5.4	2.2	2.8	4.8
Total Organic Carbon			%	No GAC	-	0.1	5.4		0	3.1	1.3	1.6	2.8
Coronene			mg/kg	No GAC	-	1	1		0				<1.0
Asbestos (Presence of)			---	No GAC	-	67	67		0		NAD	NAD	NAD
Asbestos Analysis Comments			---	No GAC	-				0	na	na	na	na

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## H.2 Scheme 9 Controlled Waters



Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1



Hole Ref	SW SBC001	SW SBC002
Sample Ref	100	100
Easting		
Northing		
Hole Elevation (mOD)		
Sample Depth (mbgl)	0	0
Piezometer top (mbgl)		
Piezometer base (mbgl)		
Sample Date	30/03/21	30/03/21
Investigation	4322A	4322A
Aquifer		

Contaminant Name	GAC	GAC Source	Units	Total >		Min	Max	95th %ile		
				LOD	> GAC					
Arsenic	0.01	UK DWS	mg/l	0 of 2	0	0.001	0.001	0.001	< 0.001	< 0.001
Cadmium	0.00045	EQS	mg/l	0 of 2	0	0.0001	0.0001	0.0001	< 0.0001	< 0.0001
Calcium		No screening value	mg/l	No GAC	-	85	110	108.750	110	85
Trivalent Chromium	0.05	EQS	mg/l	1 of 2	0	0.001	0.002	0.00195	< 0.001	0.002
Chromium - Hexavalent	3.4	EQS	mg/l	0 of 2	0	0.007	0.007	0.007	< 0.007	< 0.007
Copper	0.001	EQS	mg/l	2 of 2	2	0.0018	0.0021	0.00209	0.0018	0.0021
Iron (Soluble)		No screening value	mg/l	No GAC	-	0.057	0.082	0.08075	0.057	0.082
Lead	0.01	UK DWS	mg/l	2 of 2	0	0.0003	0.0003	0.0003	0.0003	0.0003
Mercury	0.00007	EQS	mg/l	0 of 2	0	0.0001	0.0001	0.0001	< 0.0001	< 0.0001
Nickel	0.02	UK DWS	mg/l	2 of 2	0	0.0006	0.0006	0.0006	0.0006	0.0006
Potassium		No screening value	mg/l	No GAC	-	2.3	2.4	2.395	2.3	2.4
Selenium	0.01	UK DWS	mg/l	2 of 2	0	0.0007	0.0012	0.00118	0.0012	0.0007
Sodium	200	UK DWS	mg/l	2 of 2	0	20	23	22.850	23	20
Zinc	0.0109	EQS	mg/l	2 of 2	0	0.0022	0.0031	0.00306	0.0031	0.0022
pH		No screening value	pH Units	No GAC	-	7.6	7.9	7.885	7.6	7.9
Total Alkalinity as CaCO3		No screening value	mg/l	No GAC	-	190	210	209.0	210	190
BOD (total, 5 day)		No screening value	mg/l	No GAC	-	4.1	4.3	4.290	4.1	4.3
Chemical oxygen demand		No screening value	mg/l	No GAC	-	10	12	11.90	< 10	12
Cyanide Free		No screening value	mg/l	No GAC	-	0.02	0.02	0.02	< 0.02	< 0.02
Dissolved Organic Carbon		No screening value	mg/l	No GAC	-	2	3.4	3.330	< 2.0	3.4
Total hardness		No screening value	mg/l	No GAC	-	265	326	322.950	326	265
Solids, Suspended		No screening value	mg/l	No GAC	-	6	14	13.60	14	6.0
Un-ionised Ammonia		No screening value	mg/l	No GAC	-	0.02	0.02	0.02	< 0.02	< 0.02
Ammoniacal Nitrogen as N	0.04	EQS	mg/l	1 of 2	1	0.015	0.17	0.16225	0.17	< 0.015
Chloride	250000	UK DWS	mg/l	2 of 2	0	29	53	51.80	29	53
Nitrate as NO3	50000	UK DWS	mg/l	2 of 2	0	6.2	40	38.310	40	6.2
Nitrite as NO2	500	UK DWS	mg/l	2 of 2	0	0.35	0.89	0.863	0.89	0.35
Sulphate as SO4	250000	UK DWS	mg/l	2 of 2	0	35	42	41.650	35	42
Sulphide		No screening value	mg/l	No GAC	-	0.02	0.03	0.0295	0.02	0.03
Aliphatics >C5-6	15000	WHO DWS	ug/l	0 of 2	0	0.1	0.1	0.1	< 0.1	< 0.1
Aliphatics >C6-8	15000	LOD	ug/l	0 of 2	0	0.1	0.1	0.1	< 0.1	< 0.1
Aliphatics >C8-10	300	LOD	ug/l	0 of 2	0	0.1	0.1	0.1	< 0.1	< 0.1
Aliphatics >C10-12	300	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aliphatics >C10-44		LOD	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Aliphatics >C12-16	300	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aliphatics >C16-21		No screening value	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Aliphatics >C21-35		No screening value	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Aliphatics >C35-44		No screening value	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Aromatics >C5-7	1	UK DWS	ug/l	0 of 2	0	0.1	0.1	0.1	< 0.1	< 0.1
Aromatics >C7-8	700	LOD	ug/l	0 of 2	0	0.1	0.1	0.1	< 0.1	< 0.1
Aromatics >C8-10	90	LOD	ug/l	2 of 2	0	3.1	3.9	3.860	3.9	3.1
Aromatics >C10-12	90	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aromatics >C12-16	90	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aromatics >C16-21	90	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aromatics >C21-35	90	LOD	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Aromatics >C35-44		LOD	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Aromatics >C10-44		LOD	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Total Aliphatics and Aromatics C10-C44		LOD	ug/l	No GAC	-	1	1	1.0	< 1.0	< 1.0
Benzene	1	UK DWS	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Toluene	74	EQS	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Ethylbenzene	300	WHO DWS	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Xylene	30	EQS	ug/l	0 of 2	0	1	1	1.0	< 1.0	< 1.0
Acenaphthene	0.01	LOD	ug/l	1 of 2	0	0.01	0.01	0.01	0.01	< 0.01
Acenaphthylene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Anthracene	0.1	EQS	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Benzo(a)anthracene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Benzo(a)pyrene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	0.017	EQS	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Benzo(g,h,i)perylene	0.00082	EQS	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	0.017	EQS	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Chrysene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Dibenz-a-h-anthracene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Fluoranthene		No screening value	ug/l	No GAC	-	0.01	0.01	0.01	< 0.01	< 0.01
Fluorene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Napthalene	130	EQS	ug/l	0 of 2	0	0.05	0.05	0.05	< 0.05	< 0.05
Pah, Total	0.01	UK DWS	ug/l	0 of 2	0	0.2	0.2	0.2	< 0.20	< 0.20
Phenanthrene	0.01	LOD	ug/l	1 of 2	0	0.01	0.01	0.01	0.01	< 0.01
Pyrene	0.01	LOD	ug/l	0 of 2	0	0.01	0.01	0.01	< 0.01	< 0.01
Phenol (Monohydric)		No screening value	mg/l	No GAC	-	0.01	0.01	0.01	< 0.01	< 0.01

Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1



Hole Ref	SW SBC001	SW SBC002
Sample Ref	100	100
Easting		
Northing		
Hole Elevation (mOD)		
Sample Depth (mbgl)	0	0
Piezometer top (mbgl)		
Piezometer base (mbgl)		
Sample Date	30/03/21	30/03/21
Investigation	4322A	4322A
Aquifer		

Contaminant Name	GAC	GAC Source	Units	Total >	Total >	Min	Max	95th %ile		
				LOD	GAC					
Copper	0.001	EQS	mg/l	2 of 2	2	0.0018	0.0021	0.00209		
Ammoniacal Nitrogen as N	0.04	EQS	mg/l	1 of 2	1	0.015	0.17	0.16225	0.0018	0.0021
									0.17	< 0.015

Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1

# ARUP

Hole Ref	BH SBC006	BH SBC008	BH SBC032A
Sample Ref	100	100	100
Easting	413060.543	413311.348	416374.536
Northing	510206.975	510040.95	508155.959
Hole Elevation (mOD)			
Sample Depth (mbgl)	3.74	1.1	6.09
Piezometer top (mbgl)			
Piezometer base (mbgl)			
Sample Date	30/03/21	30/03/21	30/03/21
Investigation	4322A	4322A	4322A
Aquifer			

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	95th %ile			
Arsenic	0.01	UK DWS	mg/l	3 of 3	2	0.004	0.043	0.0399	0.012	0.043	0.004
Cadmium	0.00045	EQS	mg/l	2 of 3	2	0.0001	0.0036	0.00335	0.0011	0.0036	< 0.0001
Calcium		No screening value	mg/l	No GAC	-	52	16000	14432.0	320	16000	52
Trivalent Chromium	0.05	DWS	mg/l	3 of 3	1	0.006	1.2	1.084	1.2	0.035	0.006
Chromium - Hexavalent	3.4	EQS	mg/l	0 of 3	0	0.007	0.007	0.007	< 0.007	< 0.007	< 0.007
Copper	0.001	EQS	mg/l	3 of 3	3	0.0081	0.0324	0.03208	0.0324	0.0292	0.0081
Iron (Soluble)		No screening value	mg/l	No GAC	-	0.26	3.8	3.660	2.4	3.8	0.26
Lead	0.01	UK DWS	mg/l	3 of 3	2	0.0017	0.027	0.0258	0.027	0.015	0.0017
Mercury	0.00007	EQS	mg/l	2 of 3	2	0.0001	0.001	0.00097	0.001	0.001	< 0.0001
Nickel	0.02	UK DWS	mg/l	3 of 3	2	0.0027	0.18	0.1645	0.025	0.18	0.0027
Potassium		No screening value	mg/l	No GAC	-	5.1	350	317.90	29	350	5.1
Selenium	0.01	UK DWS	mg/l	3 of 3	3	0.0278	0.0569	0.05509	0.0569	0.0388	0.0278
Sodium	200	UK DWS	mg/l	3 of 3	1	70	2100	1903.0	70	2100	130
Zinc	0.0109	EQS	mg/l	3 of 3	3	0.012	1.2	1.126	1.2	0.46	0.012
pH		No screening value	pH Units	No GAC	-	7.2	7.7	7.660	7.2	7.3	7.7
Total Alkalinity as CaCO3		No screening value	mg/l	No GAC	-	160	250	248.0	230	250	160
BOD (total, 5 day)		No screening value	mg/l	No GAC	-	6.9	58	53.60	6.9	58	14
Chemical oxygen demand		No screening value	mg/l	No GAC	-	13	2400	2161.40	13	2400	14
Cyanide Free		No screening value	mg/l	No GAC	-	0.02	0.02	0.02	< 0.02	< 0.02	< 0.02
Dissolved Organic Carbon		No screening value	mg/l	No GAC	-	38	440	401.0	50	440	38
Total hardness		No screening value	mg/l	No GAC	-	169	44400	40049.60	896	44400	169
Solids, Suspended		No screening value	mg/l	No GAC	-	4900	29000	26790.0	4900	29000	6900
Un-ionised Ammonia		No screening value	mg/l	No GAC	-	0.02	0.02	0.02	< 0.02	< 0.02	< 0.02
Ammoniacal Nitrogen as N	0.04	EQS	mg/l	2 of 3	2	0.015	0.13	0.1216	0.046	0.13	< 0.015
Chloride	250000	UK DWS	mg/l	2 of 3	0	0.1	41	39.50	41	26	< 0.10
Nitrate as NO3	50000	UK DWS	mg/l	3 of 3	0	0.26	32	28.940	1.4	0.26	32
Nitrite as NO2	500	UK DWS	mg/l	3 of 3	0	0.33	3	2.740	0.4	0.33	3
Sulphate as SO4	250000	UK DWS	mg/l	3 of 3	0	18	90	89.50	90	18	85
Sulphide		No screening value	mg/l	No GAC	-	0.08	0.18	0.17	0.08	0.18	0.08
Aliphatics >C5-6	15000	WHO DWS	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Aliphatics >C6-8	15000	EQS	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Aliphatics >C8-10	300	LOD	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Aliphatics >C10-12	300	LOD	ug/l	1 of 3	0	1	11	10.0	<1.0	11	<1.0
Aliphatics >C10-14		No screening value	ug/l	No GAC	-	1	120	108.10	<1.0	120	<1.0
Aliphatics >C12-16	300	LOD	ug/l	2 of 3	0	1	49	44.590	<1.0	49	4.9
Aliphatics >C16-21		No screening value	ug/l	No GAC	-	1	49	45.50	<1.0	49	14
Aliphatics >C21-35		No screening value	ug/l	No GAC	-	1	9.2	8.50	<1.0	9.2	2.2
Aliphatics >C35-44		No screening value	ug/l	No GAC	-	1	1	1.0	<1.0	<1.0	< 1.0
Aromatics >C5-7	1	UK DWS	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	< 0.1
Aromatics >C7-8	700	LOD	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	< 0.1
Aromatics >C8-10	90	LOD	ug/l	0 of 3	0	<0.1	<0.1	0.1	<0.1	<0.1	< 0.1
Aromatics >C10-12	90	LOD	ug/l	1 of 3	1	<0.1	150	135.10	<0.1	150	<1.0
Aromatics >C12-16	90	LOD	ug/l	1 of 3	1	1	200	180.10	<1.0	200	< 1.0
Aromatics >C16-21	90	LOD	ug/l	1 of 3	1	1	120	108.10	<1.0	120	< 1.0
Aromatics >C21-35	90	LOD	ug/l	1 of 3	0	1	54	48.70	<1.0	54	< 1.0
Aromatics >C35-44		No screening value	ug/l	No GAC	-	1	1	1.0	<1.0	<1.0	< 1.0
Aromatics >C10-44		No screening value	ug/l	No GAC	-	1	530	477.10	<1.0	530	< 1.0
Total Aliphatics and Aromatics C10-C44		No screening value	ug/l	No GAC	-	1	650	585.10	<1.0	650	< 1.0
Benzene	1	UK DWS	ug/l	0 of 3	0	1	1	1.0	<1.0	<1.0	< 1.0
Toluene	74	EQS	ug/l	0 of 3	0	1	1	1.0	<1.0	<1.0	< 1.0
Ethylbenzene	300	WHO DWS	ug/l	0 of 3	0	1	1	1.0	<1.0	<1.0	< 1.0
Xylene	30	EQS	ug/l	0 of 3	0	1	1	1.0	<1.0	<1.0	< 1.0
Acenaphthene	0.01	LOD	ug/l	3 of 3	3	0.09	29	28.147	0.09	29	0.47
Acenaphthylene	0.01	LOD	ug/l	1 of 3	0	0.01	1	1.0	0.01	<1.00	<1.00
Anthracene	0.1	EQS	ug/l	3 of 3	1	0.03	5.9	5.315	0.03	5.9	0.05
Benzo(a)anthracene	0.01	LOD	ug/l	3 of 3	3	0.05	1.5	1.355	0.05	1.5	0.05
Benzo(a)pyrene	0.01	LOD	ug/l	2 of 3	2	0.02	1	0.907	0.07	<1.00	0.02
Benzo(b)fluoranthene	0.017	EQS	ug/l	3 of 3	3	0.03	1.1	0.999	0.09	1.1	0.03
Benzo(g,h,i)perylene	0.00082	EQS	ug/l	2 of 3	2	0.02	1	0.906	0.06	<1.00	0.02
Benzo(k)fluoranthene	0.017	EQS	ug/l	1 of 3	1	<0.01	1	0.903	0.03	<1.00	<0.01
Chrysene	0.01	LOD	ug/l	3 of 3	3	0.03	1.8	1.626	0.06	1.8	0.03
Dibenz-a-h-anthracene	0.01	LOD	ug/l	1 of 3	0	0.01	1	0.901	0.01	<1.00	< 0.01
Fluoranthene		No screening value	ug/l	No GAC	-	0.09	9.9	8.922	0.09	9.9	0.12
Fluorene	0.01	LOD	ug/l	3 of 3	3	0.04	20	18.029	0.04	20	0.23
Indeno(1,2,3-cd)pyrene	0.01	LOD	ug/l	2 of 3	1	0.01	1	0.906	0.06	<1.00	0.01
Naphthalene	130	EQS	ug/l	3 of 3	0	0.2	100	90.160	0.2	100	1.6
Pha.Total	0.01	UK DWS	ug/l	3 of 3	3	0.99	210	189.320	0.99	210	3.2
Phenanthrene	0.01	LOD	ug/l	3 of 3	3	0.09	33	30.040	0.09	33	3.4
Pyrene	0.01	LOD	ug/l	3 of 3	3	0.09	6.8	6.240	0.09	6.8	1.2
Phenol (Monohydric)		No screening value	mg/l	No GAC	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1

Concentration exceeds GAC	<b>100.00</b>
Limit of Detection value exceeds GAC	<b>&lt;0.1</b>



Hole Ref	BH SBC006	BH SBC008	BH SBC032A
Sample Ref	100	100	100
Easting	413060.543	413311.348	416374.536
Northing	510206.975	510040.95	508155.959
Hole Elevation (mOD)			
Sample Depth (mbgl)	3.74	1.1	6.09
Piezometer top (mbgl)			
Piezometer base (mbgl)			
Sample Date	30/03/21	30/03/21	30/03/21
Investigation	4322A	4322A	4322A
Aquifer			

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	95th %ile			
									BH SBC006	BH SBC008	BH SBC032A
Arsenic	0.01	UK DWS	mg/l	3 of 3	2	0.004	0.043	0.0399	0.012	0.043	0.004
Cadmium	0.005	EQS	mg/l	2 of 3	0	0.0001	0.0036	0.00335	0.0011	0.0036	< 0.0001
Trivalent Chromium	0.05	UK DWS	mg/l	3 of 3	1	0.006	1.2	1.084	1.2	0.035	0.006
Copper	0.2	EQS	mg/l	3 of 3	0	0.0081	0.0324	0.03208	0.0324	0.0292	0.0081
Lead	0.01	UK DWS	mg/l	3 of 3	2	0.0017	0.027	0.0258	0.027	0.015	0.0017
Mercury	0.001	UK DWS	mg/l	2 of 3	0	0.0001	0.001	0.00097	0.001	0.0007	< 0.0001
Nickel	0.02	UK DWS	mg/l	3 of 3	2	0.0027	0.18	0.1645	0.025	0.18	0.0027
Selenium	0.01	UK DWS	mg/l	3 of 3	3	0.0278	0.0569	0.05509	0.0569	0.0388	0.0278
Sodium	200	UK DWS	mg/l	3 of 3	1	70	2100	1903.0	70	2100	130
Zinc		EQS	mg/l	No GAC	-	0.012	1.2	1.126	1.2	0.46	0.012
Ammoniacal Nitrogen as N	0.0005	UK DWS	mg/l	2 of 3	2	0.015	0.13	0.1216	0.046	0.13	< 0.015
Aromatics >C10-12	90	LOD	ug/l	1 of 3	1	<0.1	150	135.10	<0.1	150	< 1.0
Aromatics >C12-16	90	LOD	ug/l	1 of 3	1	1	200	180.10	<1.0	200	< 1.0
Aromatics >C16-21	90	LOD	ug/l	1 of 3	1	1	120	108.10	<1.0	120	< 1.0
Acenaphthene	0.1	No screening value	ug/l	3 of 3	2	0.09	29	26.147	0.09	29	0.47
Anthracene	0.1	LOD	ug/l	3 of 3	1	0.03	5.9	5.315	0.03	5.9	0.05
Benzo(a)anthracene		No screening value	ug/l	No GAC	-	0.05	1.5	1.355	0.05	1.5	0.05
Benzo(a)pyrene	0.01	UK DWS	ug/l	2 of 3	2	0.02	1	0.907	0.07	<1.00	0.02
Benzo(b)fluoranthene	0.01	LOD	ug/l	3 of 3	3	0.03	1.1	0.999	0.09	1.1	0.03
Benzo (g,h,i) perylene	0.01	LOD	ug/l	2 of 3	2	0.02	1	0.906	0.06	<1.00	0.02
Benzo(k)fluoranthene	0.01	LOD	ug/l	1 of 3	1	<0.01	1	0.903	0.03	<1.00	<0.01
Chrysene	0.01	No screening value	ug/l	3 of 3	3	0.03	1.8	1.626	0.06	1.8	0.03
Fluorene		No screening value	ug/l	No GAC	-	0.04	20	18.029	0.04	20	0.29
Indeno(1,2,3-cd)pyrene	0.01	LOD	ug/l	2 of 3	1	0.01	1	0.906	0.06	<1.00	0.01
Pah, Total	0.1	UK DWS	ug/l	3 of 3	3	0.99	210	189.320	0.99	210	3.2
Phenanthrene		No screening value	ug/l	No GAC	-	0.09	33	30.040	0.09	33	3.4
Pyrene		No screening value	ug/l	No GAC	-	0.09	6.8	6.240	0.09	6.8	1.2

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## H.3 Scheme 11 Human Health





Concentration exceeds GAC	100.00
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50

Hole Ref	HDP A15C001A	HDP A15C001A	HDP A15C002	HDP A15C002	HDP A15C003	HDP A15C003	WS A15C005	WS A15C005	WS A15C006	WS A15C006	WS A15C006
Sample Ref	3	5	2	5	2	5	1	4	1	4	9
Eastings	421734.726	421734.726	421730.611	421730.611	421732.108	421732.108	421658.092	421658.092	421691.197	421691.197	421691.197
Northing	505307.781	505307.781	505310.598	505310.598	505318.458	505318.458	505228.673	505228.673	505274.734	505274.734	505274.734
Hole Elevation (mOD)											
Sample Depth (m bgl)	0.3	1	0.2	1	0.2	1	0.2	1	0.2	1	1.9
Sample Date	11/03/21	11/03/21	11/03/21	11/03/21	11/03/21	11/03/21	16/03/21	16/03/21	16/03/21	16/03/21	16/03/21
Investigation	4322B	4322B	4322B	4322B	4322B	4322B	4322B	4322B	4322B	4322B	4322B
Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Saturation Value	Total > Saturation	HDP A15C001A	HDP A15C001A	HDP A15C002	HDP A15C002	HDP A15C003	HDP A15C003	WS A15C005	WS A15C005	WS A15C006	WS A15C006	WS A15C006
Arsenic	170	C4SL	mg/kg	11 of 11	0	2.8	5.9		0	5.4	5.9	4.3	5.1	5.7	4.8	3.8	3.4	2.8	4.6	5.9
Boron	46000	LQM S4UL	mg/kg	9 of 11	0	0.2	1		0	0.4	0.3	0.3	< 0.2	0.7	< 0.2	1	0.6	0.8	0.6	0.6
Cadmium	880	C4SL	mg/kg	11 of 11	0	0.3	0.9		0	0.3	0.4	0.5	0.6	0.5	0.9	0.4	0.4	0.5	0.5	0.3
Chromium			mg/kg	No GAC	-	5.9	20		0	11	11	10	14	12	11	8.5	10	5.9	9	20
Trivalent Chromium	33000	LQM S4UL	mg/kg	11 of 11	0	5.9	20		0	11	11	10	14	12	11	8.5	10	5.9	9	20
Chromium - Hexavalent			mg/kg	No GAC	-	1	1		0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	44000	LQM S4UL	mg/kg	11 of 11	0	31	73		0	41	32	47	39	39	31	57	32	71	71	73
Lead	1300	C4SL	mg/kg	11 of 11	0	22	50		0	28	26	30	31	44	50	32	26	22	42	27
Mercury	30	C4SL	mg/kg	0 of 11	0	0.05	0.05	25.80	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	3400	LQM S4UL	mg/kg	11 of 11	0	8.1	24		0	8.1	14	17	24	11	22	12	9.4	8.6	13	21
Selenium	1800	LQM S4UL	mg/kg	2 of 11	0	0.5	1.1		0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Zinc	170000	LQM S4UL	mg/kg	11 of 11	0	51	110		0	51	67	81	84	87	110	65	55	61	71	80
Benzene	90	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01		0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	87000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	869.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	17000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	518.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Xylene	17000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01		0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatics >C5-6	95000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	304.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatics >C6-8	150000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	144.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatics >C8-10	14000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	78.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatics >C10-12	21000	LQM S4UL	mg/kg	0 of 11	0	1.5	1.5	48.0	0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C12-16	25000	LQM S4UL	mg/kg	0 of 11	0	1.2	1.2	24.0	0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Aliphatics >C16-21			mg/kg	No GAC	-	1.5	1.5		0	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Aliphatics >C21-35			mg/kg	No GAC	-	3.4	3.4		0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C35-44	450000	LQM S4UL	mg/kg	0 of 11	0	3.4	3.4		0	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Aliphatics >C10-44			mg/kg	No GAC	-	10	10		0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Aromatics >C5-7	76000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	1220.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >C7-8	87000	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	869.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >C8-10	7200	LQM S4UL	mg/kg	0 of 11	0	0.01	0.01	613.0	0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatics >C10-12	9200	LQM S4UL	mg/kg	0 of 11	0	0.9	0.9	364.0	0	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Aromatics >C12-16	10000	LQM S4UL	mg/kg	3 of 11	0	0.5	5.1		0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	1.9	5.1	< 0.5
Aromatics >C16-21	7600	LQM S4UL	mg/kg	3 of 11	0	0.6	39		0	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	12	< 0.6	31	39	< 0.6
Aromatics >C21-35	7800	LQM S4UL	mg/kg	3 of 11	0	1.4	100		0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	24	< 1.4	54	100	< 1.4
Aromatics >C35-44	7800	LQM S4UL	mg/kg	0 of 11	0	1.4	1.4		0	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Aromatics >C10-44			mg/kg	No GAC	-	10	130		0	< 10	< 10	< 10	< 10	< 10	< 10	32	< 10	79	130	< 10
Total Aliphatics and Aromatics C10-C44			mg/kg	No GAC	-	10	130		0	< 10	< 10	< 10	< 10	< 10	< 10	32	< 10	79	130	< 10
Acenaphthene	29000	LQM S4UL	mg/kg	3 of 11	0	0.03	3.5		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.47	< 0.1	1.4	3.5	< 0.1
Acenaphthylene	29000	LQM S4UL	mg/kg	2 of 11	0	0.03	1.1		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.5	1.1	< 0.1
Anthracene	150000	LQM S4UL	mg/kg	6 of 11	0	0.03	9.5		0	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	1	0.3	4.6	9.5	0.1
Benzo(a)anthracene	49	LQM S4UL	mg/kg	5 of 11	0	0.03	17		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	1.8	0.5	7.9	17	0.2
Benzo(a)pyrene	11	LQM S4UL	mg/kg	5 of 11	1	0.03	13		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	1.5	0.6	6.6	13	0.2
Benzo(b)fluoranthene	13	LQM S4UL	mg/kg	6 of 11	0	0.03	10		0	< 0.03	< 0.03	< 0.03	< 0.03	0.04	< 0.03	1.8	0.5	5	10	0.3
Benzo(g,h,i)perylene	1400	LQM S4UL	mg/kg	5 of 11	0	0.03	6.5		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.62	0.4	3.1	6.5	0.2
Benzo(k)fluoranthene	370	LQM S4UL	mg/kg	5 of 11	0	0.03	6.4		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.65	0.3	3.1	6.4	0.2
Chrysene	93	LQM S4UL	mg/kg	5 of 11	0	0.03	16		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	1.7	0.8	7.4	16	0.2
Dibenz-a-h-anthracene	1.1	LQM S4UL	mg/kg	3 of 11	1	0.03	1.3		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.19	< 0.1	0.6	1.3	< 0.1
Fluoranthene	6300	LQM S4UL	mg/kg	7 of 11	0	0.03	39		0	< 0.03	< 0.03	< 0.03	0.04	0.06	< 0.03	5	1.3	19	39	0.7
Fluorene	20000	LQM S4UL	mg/kg	4 of 11	0	0.03	4.2		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.61	< 0.1	2.5	4.2	0.1
Indeno(1,2,3-cd)pyrene	150	LQM S4UL	mg/kg	4 of 11	0	0.03	8		0	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.55	0.3	4.2	8	< 0.1
Naphthalene	1200	LQM S4UL	mg/kg	1 of 11	0	0.03	0.16	76.40	0	< 0.03	< 0.03	< 0.03								

# I Waste Hazard Assessment Certificates

## I.1 Scheme 9 HazWaste Assessment

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - Glacial Deposits

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **17 Aug 2021 09:39 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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

**HazWasteOnline™ Certification:**

**CERTIFIED**

**Course**  
 Hazardous Waste Classification

**Date**  
 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC001/0.20/2021-03-05	0.2	Non Hazardous		3
2	TP SBC036/0.20/2021-03-05	0.2	Non Hazardous		5
3	TP SBC035/0.40/2021-03-04	0.4	Non Hazardous		7
4	BH SBC030/1.00/2021-03-04	1.0	Non Hazardous		9
5	TP SBC019/0.30/2021-03-02	0.3	Non Hazardous		11
6	TP SBC020/0.30/2021-03-02	0.3	Non Hazardous		13
7	TP SBC021/0.30/2021-03-02	0.3	Non Hazardous		15
8	BH SBC023A(1)/1.00/2021-03-02	1.0	Non Hazardous		17
9	TP SBC017/0.40/2021-03-01	0.4	Non Hazardous		19
10	TP SBC017/1.20/2021-03-01	1.2	Non Hazardous		21
11	TP SBC018/2.20/2021-03-01	2.2	Non Hazardous		23
12	BH SBC012/2.40/2021-02-26	2.4	Non Hazardous		25
13	BH SBC015/2.20/2021-03-25	2.2	Non Hazardous		27
14	TP SBC002/1.00/2021-02-26	1.0	Non Hazardous		29
15	TP SBC031/0.30/2021-02-26	0.3	Non Hazardous		31
16	TP SBC031/2.20/2021-02-26	2.2	Non Hazardous		33
17	TP SBC032/1.20/2021-02-26	1.2	Non Hazardous		35
18	TP SBC033/0.30/2021-02-26	0.3	Non Hazardous		37
19	BH SBC021/4.00/2021-03-11	4.0	Non Hazardous		39
20	BH SBC013/1.20/2021-03-08	1.2	Non Hazardous		41
21	BH SBC024/2.00/2021-03-10	2.0	Non Hazardous		43
22	BH SBC026/2.50/2021-03-09	2.5	Non Hazardous		45
23	BH SBC031/2.50/2021-03-09	2.5	Non Hazardous		47
24	TP SBC013/0.20/2021-03-03	0.2	Non Hazardous		49
25	TP SBC013/4.00/2021-03-03	4.0	Non Hazardous		51
26	TP SBC015/0.20/2021-03-03	0.2	Non Hazardous		53
27	BH SBC029/1.00/2021-03-03	1.0	Non Hazardous		55
28	TP SBC030/0.40/2021-03-04	0.4	Non Hazardous		57
29	TP SBC042/0.30/2021-03-03	0.3	Non Hazardous		59

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	TP SBC027/0.20/2021-02-25	0.2	Non Hazardous		61
31	TP SBC027/4.00/2021-02-25	4.0	Non Hazardous		63
32	TP SBC005/2.50/2021-02-25	2.5	Non Hazardous		65
33	TP SBC028/5.00/2021-02-25	5.0	Non Hazardous		67
34	TP SBC029/0.30/2021-02-25	0.3	Non Hazardous		69
35	TP SBC008/0.20/2021-02-23	0.2	Non Hazardous		71
36	TP SBC010/1.00/2021-02-23	1.0	Non Hazardous		73
37	TP SBC006/2.20/2021-02-23	2.2	Non Hazardous		75
38	TP SBC012/0.40/2021-02-25	0.4	Non Hazardous		77
39	TP SBC014/3.00/2021-02-24	3.0	Non Hazardous		79
40	TP SBC012A/2.20/2021-02-24	2.2	Non Hazardous		81
41	TP SBC026/0.20/2021-02-24	0.2	Non Hazardous		83
42	TP SBC026/2.50/2021-02-24	2.5	Non Hazardous		85
43	TP SBC011/0.30/2021-02-23	0.3	Non Hazardous		87
44	TP SBC011/3.00/2021-02-23	3.0	Non Hazardous		90
45	TP SBC024/0.20/2021-02-24	0.2	Non Hazardous		92
46	TP SBC006/0.4 23/02/2021	0.4	Non Hazardous		94

## Related documents

#	Name	Description
1	21-05777.hwol	.hwol file used to create the Job
2	21-05628.hwol	.hwol file used to create the Job
3	21-05425.hwol	.hwol file used to create the Job
4	21-05422.hwol	.hwol file used to create the Job
5	21-05071.hwol	.hwol file used to create the Job
6	21-04815.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

## Report

Created by: Rachel Boyle

Created date: 17 Aug 2021 09:39 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	96
Appendix B: Rationale for selection of metal species	97
Appendix C: Version	98

Classification of sample: BH SBC001/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC001/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	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 %		
2	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 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0	0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<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	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	46 mg/kg	1.56	71.751 mg/kg	0.0046 %		
8	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 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	93 mg/kg	2.774	257.996 mg/kg	0.0258 %		
12	pH			PH	7.5 pH		7.5 pH	7.5 pH		
13	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			0.3 mg/kg	1.884	0.565 mg/kg	0.0000565 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0444 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC036/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC036/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.2	mg/kg	1.32	10.827	mg/kg	0.00108 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				31	mg/kg	1.126	34.903	mg/kg	0.00349 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	42	mg/kg	1.56	65.512	mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.06	mg/kg	1.353	0.0812	mg/kg	0.00000812 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0382 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC035/0.40/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC035/0.40/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.7	mg/kg	1.32	4.885	mg/kg	0.000489 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				64	mg/kg	2.774	177.545	mg/kg	0.0178 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0304 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC030/1.00/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC030/1.00/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	30.399 mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	27 mg/kg	1.56	42.115 mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				38 mg/kg	2.976	113.098 mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				75 mg/kg	2.774	208.061 mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.8 pH		7.8 pH	7.8 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-883-8	191-24-2								
35	sulfur { sulfur }				100 mg/kg		100 mg/kg	0.01 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
			P1186								
Total:									0.0534 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC019/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC019/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7	mg/kg	1.32	9.242	mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				17	mg/kg	2.976	50.597	mg/kg	0.00506 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				65	mg/kg	2.774	180.32	mg/kg	0.018 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.6	pH		7.6	pH	7.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0319 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC020/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC020/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.9	mg/kg	1.32	9.11	mg/kg	0.000911 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				42	mg/kg	2.774	116.514	mg/kg	0.0117 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.6	pH		7.6	pH	7.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0257 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC021/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC021/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.3	mg/kg	1.32	9.638	mg/kg	0.000964 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				31	mg/kg	1.126	34.903	mg/kg	0.00349 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	32	mg/kg	1.56	49.914	mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0299 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC023A(1)/1.00/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC023A(1)/1.00/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.1	mg/kg	1.32	8.054	mg/kg	0.000805 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				42	mg/kg	2.976	125.003	mg/kg	0.0125 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				74	mg/kg	2.774	205.287	mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.4	pH		7.4	pH	7.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0451 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC017/0.40/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC017/0.40/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.8	mg/kg	1.32	6.338	mg/kg	0.000634 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	12	mg/kg	1.56	18.718	mg/kg	0.0012 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				47	mg/kg	2.774	130.385	mg/kg	0.013 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0248 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC017/1.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC017/1.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.2	mg/kg	1.32	8.186	mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	18	mg/kg	1.56	28.077	mg/kg	0.0018 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				27	mg/kg	2.976	80.359	mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				81	mg/kg	2.774	224.706	mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0401 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC018/2.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC018/2.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.7	mg/kg	1.32	11.487	mg/kg	0.00115 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				28	mg/kg	2.976	83.335	mg/kg	0.00833 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0401 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC012/2.40/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC012/2.40/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.9	mg/kg	1.32	13.071	mg/kg	0.00131 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				33	mg/kg	2.976	98.217	mg/kg	0.00982 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				100	mg/kg	2.774	277.415	mg/kg	0.0277 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %			
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %			
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				3400 mg/kg		3400 mg/kg	0.34 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
37	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	602-039-00-4	215-648-1	1336-36-3								
Total:									0.39 %		

**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
- ND** Not detected
- CLP: Note 1** Only the metal concentration has been used for classification

Classification of sample: BH SBC015/2.20/2021-03-25

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC015/2.20/2021-03-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.3	mg/kg	1.32	10.959	mg/kg	0.0011 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				27	mg/kg	1.126	30.399	mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				25	mg/kg	2.976	74.407	mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				68	mg/kg	2.774	188.642	mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				3300 mg/kg		3300 mg/kg	0.33 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:								0.367 %			

### 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 Determinand - 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: TP SBC002/1.00/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC002/1.00/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.1	mg/kg	1.32	10.695	mg/kg	0.00107 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				38	mg/kg	2.976	113.098	mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.9	mg/kg	2.554	2.298	mg/kg	0.00023 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				92	mg/kg	2.774	255.221	mg/kg	0.0255 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0474 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC031/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC031/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0275 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC031/2.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC031/2.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				21	mg/kg	2.976	62.502	mg/kg	0.00625 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				54	mg/kg	2.774	149.804	mg/kg	0.015 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0303 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC032/1.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC032/1.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10	mg/kg	1.462	14.616	mg/kg	0.00146 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0324 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC033/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC033/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.2	mg/kg	1.32	8.186	mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				7.3	mg/kg	2.976	21.727	mg/kg	0.00217 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				35	mg/kg	2.774	97.095	mg/kg	0.00971 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0202 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC021/4.00/2021-03-11

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

### Sample details

Sample name:	LoW Code:	
<b>BH SBC021/4.00/2021-03-11</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

### 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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.6	mg/kg	1.32	10.034	mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	32.154	mg/kg	0.00322 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				27	mg/kg	2.976	80.359	mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				78	mg/kg	2.774	216.383	mg/kg	0.0216 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				6000 mg/kg		6000 mg/kg	0.6 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:								0.642 %			

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC013/1.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC013/1.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.8	mg/kg	1.32	12.939	mg/kg	0.00129 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	30	mg/kg	1.56	46.794	mg/kg	0.003 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				38	mg/kg	2.976	113.098	mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				80	mg/kg	2.774	221.932	mg/kg	0.0222 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				100 mg/kg		100 mg/kg	0.01 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:									0.0559 %		

### Key

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

Classification of sample: BH SBC024/2.00/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC024/2.00/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.9	mg/kg	2.976	17.56	mg/kg	0.00176 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				43	mg/kg	2.774	119.288	mg/kg	0.0119 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	sulfur { sulfur }				300 mg/kg		300 mg/kg	0.03 %		
	016-094-00-1	231-722-6	7704-34-9							
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0544 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



**Classification of sample: BH SBC026/2.50/2021-03-09**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC026/2.50/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				13	mg/kg	1.32	17.164	mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				62	mg/kg	1.126	69.805	mg/kg	0.00698 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	38	mg/kg	1.56	59.273	mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				66	mg/kg	2.774	183.094	mg/kg	0.0183 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-581-5	85-01-8							
24	anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		204-371-1	120-12-7							
25	fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		205-912-4	206-44-0							
26	pyrene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0436 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC031/2.50/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC031/2.50/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6	mg/kg	1.32	7.922	mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.7	mg/kg	2.976	28.87	mg/kg	0.00289 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				58	mg/kg	2.774	160.9	mg/kg	0.0161 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
26	pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	sulfur { sulfur }				200 mg/kg		200 mg/kg	0.02 %		
	016-094-00-1	231-722-6	7704-34-9							
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0499 %		

### Key

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

Classification of sample: TP SBC013/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC013/0.20/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.1	mg/kg	1.32	12.015	mg/kg	0.0012 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	50	mg/kg	1.56	77.991	mg/kg	0.005 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				18	mg/kg	2.976	53.573	mg/kg	0.00536 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.9	mg/kg	2.554	2.298	mg/kg	0.00023 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				94	mg/kg	2.774	260.77	mg/kg	0.0261 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0458 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC013/4.00/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC013/4.00/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.2	mg/kg	1.32	9.506	mg/kg	0.000951 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	19	mg/kg	1.56	29.636	mg/kg	0.0019 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				120	mg/kg	2.774	332.898	mg/kg	0.0333 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0494 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC015/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC015/0.20/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.3	mg/kg	1.32	8.318	mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				76	mg/kg	2.774	210.835	mg/kg	0.0211 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0354 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC029/1.00/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC029/1.00/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	33 mg/kg	1.56	51.474 mg/kg	0.0033 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				32 mg/kg	2.976	95.24 mg/kg	0.00952 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				71 mg/kg	2.774	196.964 mg/kg	0.0197 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0415 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC030/0.40/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC030/0.40/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.8	mg/kg	1.32	11.619	mg/kg	0.00116 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8	mg/kg	2.976	23.81	mg/kg	0.00238 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				40	mg/kg	2.774	110.966	mg/kg	0.0111 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0223 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC042/0.30/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC042/0.30/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	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 %		
2	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 %		
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	14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	33 mg/kg	1.56	51.474 mg/kg	0.0033 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	12 mg/kg	2.976	35.715 mg/kg	0.00357 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	65 mg/kg	2.774	180.32 mg/kg	0.018 %		
12	pH			PH	7.4 pH		7.4 pH	7.4 pH		
13	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			0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0322 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC027/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC027/0.20/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.7	mg/kg	2.976	19.941	mg/kg	0.00199 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.028 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC027/4.00/2021-02-25**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC027/4.00/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				25 mg/kg	1.126	28.147 mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	17 mg/kg	1.56	26.517 mg/kg	0.0017 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				72 mg/kg	2.774	199.739 mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.4 pH		8.4 pH	8.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0379 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC005/2.50/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC005/2.50/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.6	mg/kg	1.32	7.394	mg/kg	0.000739 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	19.14	mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	38	mg/kg	1.56	59.273	mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.3	mg/kg	2.976	18.75	mg/kg	0.00188 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				46	mg/kg	2.774	127.611	mg/kg	0.0128 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.3	pH		8.3	pH	8.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0248 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC028/5.00/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC028/5.00/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>5.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.6	mg/kg	1.32	6.073	mg/kg	0.000607 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.3	mg/kg	1.462	12.131	mg/kg	0.00121 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	14	mg/kg	1.56	21.837	mg/kg	0.0014 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				44	mg/kg	2.774	122.062	mg/kg	0.0122 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.3	pH		8.3	pH	8.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0239 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC029/0.30/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC029/0.30/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.6	mg/kg	1.32	10.034	mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	20.266	mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				45	mg/kg	2.774	124.837	mg/kg	0.0125 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0257 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC008/0.20/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC008/0.20/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.2	mg/kg	1.32	6.866	mg/kg	0.000687 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.08	mg/kg	1.353	0.108	mg/kg	0.0000108 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.5	pH		6.5	pH	6.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0281 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC010/1.00/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC010/1.00/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9	mg/kg	1.32	11.883	mg/kg	0.00119 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				28	mg/kg	2.976	83.335	mg/kg	0.00833 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				56	mg/kg	2.774	155.352	mg/kg	0.0155 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0354 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC006/2.20/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC006/2.20/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.5	mg/kg	1.32	8.582	mg/kg	0.000858 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				68	mg/kg	2.774	188.642	mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0351 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



**Classification of sample: TP SBC012/0.40/2021-02-25**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC012/0.40/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	19.14	mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	32	mg/kg	1.56	49.914	mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.7	mg/kg	2.976	25.894	mg/kg	0.00259 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				60	mg/kg	2.774	166.449	mg/kg	0.0166 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0293 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC014/3.00/2021-02-24**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC014/3.00/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>3.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.4	mg/kg	1.32	11.091	mg/kg	0.00111 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				25	mg/kg	2.976	74.407	mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				67	mg/kg	2.774	185.868	mg/kg	0.0186 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0362 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC012A/2.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC012A/2.20/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	30.399 mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				33 mg/kg	2.976	98.217 mg/kg	0.00982 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				82 mg/kg	2.774	227.48 mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0462 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC026/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC026/0.20/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5	mg/kg	1.32	6.602	mg/kg	0.00066 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.1	mg/kg	1.462	13.3	mg/kg	0.00133 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.7	mg/kg	2.976	16.965	mg/kg	0.0017 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				33	mg/kg	2.774	91.547	mg/kg	0.00915 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0195 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC026/2.50/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC026/2.50/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.1	mg/kg	1.32	9.374	mg/kg	0.000937 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0381 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC011/0.30/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC011/0.30/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				52	mg/kg	2.774	144.256	mg/kg	0.0144 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.9	pH		6.9	pH	6.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0254 %		

## 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
- ND Not detected
- 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** No free-phase hydrocarbon, therefore unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00002%)

Classification of sample: TP SBC011/3.00/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC011/3.00/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>3.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.3 mg/kg	1.32	8.318 mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	19 mg/kg	1.56	29.636 mg/kg	0.0019 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				25 mg/kg	2.976	74.407 mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				83 mg/kg	2.774	230.254 mg/kg	0.023 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.2 pH		8.2 pH	8.2 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
18	xylene 601-022-00-9 202-422-2 [1] 95-47-6 [1] 203-396-5 [2] 106-42-3 [2] 203-576-3 [3] 108-38-3 [3] 215-535-7 [4] 1330-20-7 [4]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	acenaphthylene 205-917-1 208-96-8				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21	acenaphthene 201-469-6 83-32-9				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	fluorene 201-695-5 86-73-7				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
23	phenanthrene 201-581-5 85-01-8				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	anthracene 204-371-1 120-12-7				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	fluoranthene 205-912-4 206-44-0				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
26	pyrene 204-927-3 129-00-0				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
27	benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
28	chrysene 601-048-00-0 205-923-4 218-01-9				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4 205-911-9 205-99-2				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 200-028-5 50-32-8				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
32	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
34	benzo[ghi]perylene 205-883-8 191-24-2				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
35	monohydric phenols P1186				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
36	polychlorobiphenyls; PCB 602-039-00-4 215-648-1 1336-36-3				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0406 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC024/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC024/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				9.2 mg/kg	2.976	27.382 mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				68 mg/kg	2.774	188.642 mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0337 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



**Classification of sample: TP SBC006/0.4 23/02/2021**

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC006/0.4 23/02/2021</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	28 mg/kg	1.56	43.675 mg/kg	0.0028 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				24 mg/kg	2.976	71.43 mg/kg	0.00714 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.6 mg/kg	2.554	1.532 mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				59 mg/kg	2.774	163.675 mg/kg	0.0164 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0345 %		

### Key

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

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**Appendix A: Classifier defined and non CLP determinands**

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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

**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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

• **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## 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 (edit as required)

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

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

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

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

**sulfur {sulfur}**

Associated with fertilisers, only likely source

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018**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 2019** - UK: 2019 No. 720 of 27th March 2019**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - MG

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **16 Aug 2021 18:04 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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

**HazWasteOnline™ Certification:**

**CERTIFIED**

**Course**  
 Hazardous Waste Classification

**Date**  
 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC032/0.50/2021-03-10	0.5	Non Hazardous		3
2	BH SBC026/0.20/2021-03-09	0.2	Non Hazardous		6
3	BH SBC008/1.0	1.0	Non Hazardous		9
4	BH SBC010/0.20/2021-02-23	0.2	Non Hazardous		12
5	WS SBC004/0.30/2021-02-23	0.3	Hazardous	HP 3(i), HP 7, HP 11	14
6	BH SBC006/0.10/2021-03-23	0.1	Non Hazardous		17
7	BH SBC006/1.00/2021-03-23	1.0	Non Hazardous		19

### Related documents

#	Name	Description
1	21-05777.hwol	.hwol file used to create the Job
2	21-05628.hwol	.hwol file used to create the Job
3	21-05425.hwol	.hwol file used to create the Job
4	21-05422.hwol	.hwol file used to create the Job
5	21-05071.hwol	.hwol file used to create the Job
6	21-04815.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

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## Report

Created by: Rachel Boyle

Created date: 16 Aug 2021 18:04 GMT


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

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Classification of sample: BH SBC032/0.50/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC032/0.50/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				55	mg/kg	2.774	152.578	mg/kg	0.0153 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.4	pH		9.4	pH	9.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				691.8	mg/kg		691.8	mg/kg	0.0692 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		201-469-6	83-32-9							
22	fluorene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
		201-695-5	86-73-7							
23	phenanthrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		201-581-5	85-01-8							
24	anthracene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		204-371-1	120-12-7							
25	fluoranthene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		205-912-4	206-44-0							
26	pyrene				0.99 mg/kg		0.99 mg/kg	0.000099 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0983 %		

## 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
- ND** Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0692%)

**Classification of sample: BH SBC026/0.20/2021-03-09**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC026/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.9 mg/kg	1.32	6.47 mg/kg	0.000647 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	43.91 mg/kg	0.00439 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	54 mg/kg	1.56	84.23 mg/kg	0.0054 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.19 mg/kg	1.353	0.257 mg/kg	0.0000257 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				305 mg/kg		305 mg/kg	0.0305 %		
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				2 mg/kg		2 mg/kg	0.0002 %		
		201-469-6	83-32-9							
22	fluorene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		201-695-5	86-73-7							
23	phenanthrene				15 mg/kg		15 mg/kg	0.0015 %		
		201-581-5	85-01-8							
24	anthracene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
		204-371-1	120-12-7							
25	fluoranthene				26 mg/kg		26 mg/kg	0.0026 %		
		205-912-4	206-44-0							
26	pyrene				20 mg/kg		20 mg/kg	0.002 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				7.8 mg/kg		7.8 mg/kg	0.00078 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				7.9 mg/kg		7.9 mg/kg	0.00079 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				7.3 mg/kg		7.3 mg/kg	0.00073 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				3.3 mg/kg		3.3 mg/kg	0.00033 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				5.4 mg/kg		5.4 mg/kg	0.00054 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				1.9 mg/kg		1.9 mg/kg	0.00019 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0779 %		

#### 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
- ND** Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.0305%)



Classification of sample: BH SBC008/1.0

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC008/1.0</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.3	mg/kg	1.32	5.677	mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				3.9	mg/kg	3.22	12.558	mg/kg	0.00126 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				29	mg/kg	1.462	42.385	mg/kg	0.00424 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				9.8	mg/kg	1.126	11.034	mg/kg	0.0011 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	3.5	mg/kg	1.56	5.459	mg/kg	0.00035 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.2	mg/kg	2.976	6.548	mg/kg	0.000655 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				2.1	mg/kg	2.554	5.363	mg/kg	0.000536 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				20	mg/kg	2.774	55.483	mg/kg	0.00555 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.1	pH		9.1	pH	9.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				703.5	mg/kg		703.5	mg/kg	0.0703 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-917-1	208-96-8							
21	acenaphthene				2.6 mg/kg		2.6 mg/kg	0.00026 %		
		201-469-6	83-32-9							
22	fluorene				2.7 mg/kg		2.7 mg/kg	0.00027 %		
		201-695-5	86-73-7							
23	phenanthrene				10 mg/kg		10 mg/kg	0.001 %		
		201-581-5	85-01-8							
24	anthracene				2.9 mg/kg		2.9 mg/kg	0.00029 %		
		204-371-1	120-12-7							
25	fluoranthene				14 mg/kg		14 mg/kg	0.0014 %		
		205-912-4	206-44-0							
26	pyrene				12 mg/kg		12 mg/kg	0.0012 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				5.8 mg/kg		5.8 mg/kg	0.00058 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				4.7 mg/kg		4.7 mg/kg	0.00047 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				4.7 mg/kg		4.7 mg/kg	0.00047 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				4.1 mg/kg		4.1 mg/kg	0.00041 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0918 %		

## 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
- ND Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0703%)



Classification of sample: BH SBC010/0.20/2021-02-23

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC010/0.20/2021-02-23</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.3 mg/kg	1.32	8.318 mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				16 mg/kg	2.976	47.62 mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.4 pH		6.4 pH	6.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		205-912-4	206-44-0							
26	pyrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0368 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS SBC004/0.30/2021-02-23



**Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

Sample details

Sample name: <b>WS SBC004/0.30/2021-02-23</b>	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: <b>0.3 m</b>	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

**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.: 0.158%)

**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.: 0.158%)

Hazard properties (substances considered hazardous until shown otherwise)

**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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.158%)

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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1.8	mg/kg	1.32	2.377	mg/kg	0.000238 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.1	mg/kg	1.462	11.839	mg/kg	0.00118 %		
		215-160-9	1308-38-9									

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
5	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				9.6	mg/kg	1.126	10.809	mg/kg	0.00108 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	9	mg/kg	1.56	14.038	mg/kg	0.0009 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.7	mg/kg	2.976	8.036	mg/kg	0.000804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				37	mg/kg	2.774	102.643	mg/kg	0.0103 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.7	pH		9.7	pH	9.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				1577.8	mg/kg		1577.8	mg/kg	0.158 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
17	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
18	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
19	naphthalene				9.3	mg/kg		9.3	mg/kg	0.00093 %		
	601-052-00-2	202-049-5	91-20-3									
20	acenaphthylene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
		205-917-1	208-96-8									
21	acenaphthene				46	mg/kg		46	mg/kg	0.0046 %		
		201-469-6	83-32-9									
22	fluorene				64	mg/kg		64	mg/kg	0.0064 %		
		201-695-5	86-73-7									
23	phenanthrene				340	mg/kg		340	mg/kg	0.034 %		
		201-581-5	85-01-8									
24	anthracene				84	mg/kg		84	mg/kg	0.0084 %		
		204-371-1	120-12-7									
25	fluoranthene				530	mg/kg		530	mg/kg	0.053 %		
		205-912-4	206-44-0									
26	pyrene				400	mg/kg		400	mg/kg	0.04 %		
		204-927-3	129-00-0									
27	benzo[a]anthracene				200	mg/kg		200	mg/kg	0.02 %		
	601-033-00-9	200-280-6	56-55-3									
28	chrysene				200	mg/kg		200	mg/kg	0.02 %		
	601-048-00-0	205-923-4	218-01-9									
29	benzo[b]fluoranthene				84	mg/kg		84	mg/kg	0.0084 %		
	601-034-00-4	205-911-9	205-99-2									
30	benzo[k]fluoranthene				77	mg/kg		77	mg/kg	0.0077 %		
	601-036-00-5	205-916-6	207-08-9									

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
31	benzo[a]pyrene; benzo[def]chrysene				140	mg/kg		140	mg/kg	0.014 %		
	601-032-00-3	200-028-5	50-32-8									
32	indeno[123-cd]pyrene				21	mg/kg		21	mg/kg	0.0021 %		
		205-893-2	193-39-5									
33	dibenz[a,h]anthracene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
34	benzo[ghi]perylene				91	mg/kg		91	mg/kg	0.0091 %		
		205-883-8	191-24-2									
35	monohydric phenols				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			P1186									
36	coronene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		205-881-7	191-07-1									
37	polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3									
Total:										0.402 %		

### 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 Determinand - 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: BH SBC006/0.10/2021-03-23

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC006/0.10/2021-03-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.1 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
2	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 %		
3	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 %		
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) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	56 mg/kg	1.126	63.05 mg/kg	0.0063 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	19 mg/kg	1.56	29.636 mg/kg	0.0019 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	26 mg/kg	2.976	77.383 mg/kg	0.00774 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	50 mg/kg	2.774	138.707 mg/kg	0.0139 %		
12	pH			PH	8 pH		8 pH	8pH		
13	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			1.2 mg/kg	1.884	2.261 mg/kg	0.000226 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-469-6	83-32-9							
22	fluorene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-695-5	86-73-7							
23	phenanthrene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		201-581-5	85-01-8							
24	anthracene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-371-1	120-12-7							
25	fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-912-4	206-44-0							
26	pyrene				0.83 mg/kg		0.83 mg/kg	0.000083 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0358 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC006/1.00/2021-03-23

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC006/1.00/2021-03-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.6	mg/kg	1.32	4.753	mg/kg	0.000475 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.3	mg/kg	1.462	10.669	mg/kg	0.00107 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.3	mg/kg	2.976	24.703	mg/kg	0.00247 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				41	mg/kg	2.774	113.74	mg/kg	0.0114 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-912-4	206-44-0							
26	pyrene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0214 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

---

**Appendix A: Classifier defined and non CLP determinands**

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- **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: [REDACTED]

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

- **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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

■ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source: [REDACTED]

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

■ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## 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 (edit as required)

### 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 (edit as required)

### 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. (edit as

required) 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 (edit as required)

#### **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 (edit as required)

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

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

#### **copper {dicopper oxide; copper (I) oxide}**

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

#### **lead {lead chromate}**

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

#### **mercury {mercury dichloride}**

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

#### **nickel {nickel chromate}**

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

#### **selenium {nickel selenate}**

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

#### **zinc {zinc chromate}**

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

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

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

### **Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2020

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - Topsoil

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **16 Aug 2021 19:42 GMT**  
 Telephone: XXXXXXXXXX

Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC022/0.20/2021-03-11	0.2	Non Hazardous		3
2	BH SBC018/0.20/2021-03-08	0.2	Non Hazardous		5
3	BH SBC019/0.20/2021-03-05	0.2	Non Hazardous		7
4	BH SBC020/0.20/2021-03-07	0.2	Non Hazardous		9
5	BH SBC025/0.20/2021-03-05	0.2	Non Hazardous		11
6	BH SBC027/0.20/2021-03-08	0.2	Non Hazardous		13
7	TP SBC038/0.20/2021-03-05	0.2	Non Hazardous		15
8	TP SBC039/0.20/2021-03-05	0.2	Non Hazardous		17
9	TP SBC040/0.20/2021-03-08	0.2	Non Hazardous		19
10	TP SBC044/0.30/2021-03-08	0.3	Non Hazardous		21
11	TP SBC022/0.20/2021-03-04	0.2	Non Hazardous		23
12	BH SBC017/0.20/2021-03-04	0.2	Non Hazardous		25
13	BH SBC030/0.20/2021-03-04	0.2	Non Hazardous		27
14	BH SBC028/0.20/2021-03-02	0.2	Non Hazardous		29
15	BH SBC005/0.20/2021-02-25	0.2	Non Hazardous		31
16	BH SBC007/0.20/2021-03-01	0.2	Non Hazardous		33
17	TP SBC001/0.20/2021-03-02	0.2	Non Hazardous		35
18	TP SBC034/0.20/2021-03-01	0.2	Non Hazardous		37
19	BH SBC012/0.20/2021-02-26	0.2	Non Hazardous		39
20	BH SBC015/0.20/2021-02-26	0.2	Non Hazardous		41
21	TP SBC003/0.20/2021-02-26	0.2	Non Hazardous		43
22	TP SBC004/0.20/2021-02-26	0.2	Non Hazardous		45
23	TP SBC032/0.30/2021-02-26	0.3	Non Hazardous		47
24	BH SBC002/0.20/2021-03-12	0.2	Non Hazardous		49
25	BH SBC016/0.30/2021-03-05	0.3	Non Hazardous		51
26	BH SBC013/0.20/2021-03-08	0.2	Non Hazardous		53
27	BH SBC021/0.20/2021-03-09	0.2	Non Hazardous		55
28	BH SBC024/0.20/2021-03-10	0.2	Non Hazardous		57
29	BH SBC031/0.20/2021-03-09	0.2	Non Hazardous		59

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	TP SBC041/0.20/2021-03-09	0.2	Non Hazardous		61
31	TP SBC023/0.20/2021-03-03	0.2	Non Hazardous		64
32	BH SBC009/0.20/2021-02-24	0.2	Non Hazardous		66
33	TP SBC005/0.20/2021-02-25	0.2	Non Hazardous		68
34	TP SBC028/0.20/2021-02-25	0.2	Non Hazardous		70
35	BH SBC011/0.20/2021-02-25	0.2	Non Hazardous		72
36	TP SBC014/0.30/2021-02-24	0.3	Non Hazardous		74
37	TP SBC025/0.20/2021-02-24	0.2	Non Hazardous		76
38	BH SBC014A/0.20/2021-02-23	0.2	Non Hazardous		78
39	TP SBC009/0.20/2021-02-22	0.2	Non Hazardous		80
40	TP SBC007/0.20/2021-02-22	0.2	Non Hazardous		83

## Related documents

#	Name	Description
1	21-05422.hwol	.hwol file used to create the Job
2	21-05071.hwol	.hwol file used to create the Job
3	21-04815.hwol	.hwol file used to create the Job
4	21-05777.hwol	.hwol file used to create the Job
5	21-05628.hwol	.hwol file used to create the Job
6	21-05425.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job


## Report

Created by: Rachel Boyle

Created date: 16 Aug 2021 19:42 GMT

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Appendix A: Classifier defined and non CLP determinands	85
Appendix B: Rationale for selection of metal species	86
Appendix C: Version	87

Classification of sample: BH SBC022/0.20/2021-03-11

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

### Sample details

Sample name:	LoW Code:	
<b>BH SBC022/0.20/2021-03-11</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

### 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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.135	mg/kg	0.0000135 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.4	mg/kg	2.976	25.001	mg/kg	0.0025 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				59	mg/kg	2.774	163.675	mg/kg	0.0164 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.3 mg/kg		0.3 mg/kg	0.00003 %		
			P1186							
Total:								0.0312 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC018/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC018/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	41	mg/kg	1.56	63.952	mg/kg	0.0041 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				53	mg/kg	2.774	147.03	mg/kg	0.0147 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0288 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC019/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC019/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.4	mg/kg	1.32	4.489	mg/kg	0.000449 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				8.6	mg/kg	1.126	9.683	mg/kg	0.000968 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				60	mg/kg	2.774	166.449	mg/kg	0.0166 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0293 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC020/0.20/2021-03-07

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC020/0.20/2021-03-07</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				27	mg/kg	1.126	30.399	mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.9	mg/kg	2.976	17.56	mg/kg	0.00176 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0277 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC025/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC025/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.2 mg/kg	1.32	9.506 mg/kg	0.000951 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				10 mg/kg	2.976	29.763 mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				49 mg/kg	2.774	135.933 mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.4 pH		6.4 pH	6.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3 mg/kg	1.884	0.565 mg/kg	0.0000565 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0284 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC027/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC027/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.4	mg/kg	1.32	8.45	mg/kg	0.000845 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	51	mg/kg	1.56	79.551	mg/kg	0.0051 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				69	mg/kg	2.774	191.416	mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0364 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC038/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC038/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	20.266	mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				61	mg/kg	2.774	169.223	mg/kg	0.0169 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		204-371-1	120-12-7								
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %			
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-883-8	191-24-2								
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
			P1186								
Total:									0.0318 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC039/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC039/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.4	mg/kg	1.32	9.77	mg/kg	0.000977 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.3	mg/kg	2.976	27.679	mg/kg	0.00277 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				71	mg/kg	2.774	196.964	mg/kg	0.0197 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.7	pH		6.7	pH	6.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.035 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC040/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC040/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				14	mg/kg	2.976	41.668	mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				66	mg/kg	2.774	183.094	mg/kg	0.0183 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0337 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC044/0.30/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC044/0.30/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	39	mg/kg	1.56	60.833	mg/kg	0.0039 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				72	mg/kg	2.774	199.739	mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0365 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC022/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC022/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	20.266 mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	32 mg/kg	1.56	49.914 mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				14 mg/kg	2.976	41.668 mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.2 pH		7.2 pH	7.2 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0355 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC017/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC017/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				81	mg/kg	2.774	224.706	mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0388 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC030/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC030/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.9	mg/kg	1.32	10.431	mg/kg	0.00104 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				33	mg/kg	1.126	37.154	mg/kg	0.00372 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				69	mg/kg	2.774	191.416	mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0359 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC028/0.20/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC028/0.20/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.8	mg/kg	2.976	20.239	mg/kg	0.00202 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0276 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC005/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC005/0.20/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.8	mg/kg	1.32	12.939	mg/kg	0.00129 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.135	mg/kg	0.0000135 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				1.5	mg/kg	2.554	3.831	mg/kg	0.000383 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				94	mg/kg	2.774	260.77	mg/kg	0.0261 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.3 mg/kg		0.3 mg/kg	0.00003 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0431 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC007/0.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC007/0.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.2	mg/kg	2.976	24.405	mg/kg	0.00244 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				1.1	mg/kg	2.554	2.809	mg/kg	0.000281 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				79	mg/kg	2.774	219.158	mg/kg	0.0219 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.036 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC001/0.20/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC001/0.20/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				17	mg/kg	2.976	50.597	mg/kg	0.00506 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				77	mg/kg	2.774	213.609	mg/kg	0.0214 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.5	pH		6.5	pH	6.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0361 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC034/0.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC034/0.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.5	mg/kg	1.32	8.582	mg/kg	0.000858 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				68	mg/kg	1.126	76.56	mg/kg	0.00766 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	46	mg/kg	1.56	71.751	mg/kg	0.0046 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0415 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC012/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC012/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.6	mg/kg	1.32	11.355	mg/kg	0.00114 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	58	mg/kg	1.56	90.469	mg/kg	0.0058 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.2	mg/kg	2.976	27.382	mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				94	mg/kg	2.774	260.77	mg/kg	0.0261 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.7	pH		6.7	pH	6.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.17 mg/kg		0.17 mg/kg	0.000017 %		
		205-912-4	206-44-0							
26	pyrene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0428 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC015/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC015/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				31	mg/kg	2.976	92.264	mg/kg	0.00923 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.8	mg/kg	2.554	2.043	mg/kg	0.000204 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				77	mg/kg	2.774	213.609	mg/kg	0.0214 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		205-912-4	206-44-0							
26	pyrene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0451 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC003/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC003/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.6	mg/kg	1.32	7.394	mg/kg	0.000739 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				7.7	mg/kg	2.976	22.917	mg/kg	0.00229 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0253 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC004/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC004/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0   215-481-4   1327-53-3				5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
2	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 %		
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				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2   231-846-0   7758-97-6			1	33	mg/kg	1.56	51.474	mg/kg	0.0033 %		
8	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
9	nickel { nickel chromate } 028-035-00-7   238-766-5   14721-18-7				7.8	mg/kg	2.976	23.215	mg/kg	0.00232 %		
10	selenium { nickel selenate } 028-031-00-5   239-125-2   15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3   236-878-9   13530-65-9				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
12	pH PH				7.7	pH		7.7	pH	7.7 pH		
13	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				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8   200-753-7   71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3   203-625-9   108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
		201-581-5	85-01-8							
24	anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		204-371-1	120-12-7							
25	fluoranthene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		205-912-4	206-44-0							
26	pyrene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0269 %		

## 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC032/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC032/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7	pH		7	pH	7pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0335 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC002/0.20/2021-03-12

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC002/0.20/2021-03-12</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	6.2 mg/kg	1.32	8.186 mg/kg	0.000819 %		
2	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 %		
3	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 %		
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) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	35 mg/kg	1.56	54.594 mg/kg	0.0035 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.09 mg/kg	1.353	0.122 mg/kg	0.0000122 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	64 mg/kg	2.774	177.545 mg/kg	0.0178 %		
12	pH			PH	7 pH		7 pH	7pH		
13	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			0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0311 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC016/0.30/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC016/0.30/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.3	mg/kg	1.32	9.638	mg/kg	0.000964 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	30	mg/kg	1.56	46.794	mg/kg	0.003 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				72	mg/kg	2.774	199.739	mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0351 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC013/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC013/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.06	mg/kg	1.353	0.0812	mg/kg	0.00000812 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				90	mg/kg	2.774	249.673	mg/kg	0.025 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.4	mg/kg	1.884	0.754	mg/kg	0.0000754 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0425 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC021/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC021/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.2	mg/kg	1.32	4.225	mg/kg	0.000423 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.1	mg/kg	1.462	5.992	mg/kg	0.000599 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.6	mg/kg	2.976	19.643	mg/kg	0.00196 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0234 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC024/0.20/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC024/0.20/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.7	mg/kg	1.32	6.206	mg/kg	0.000621 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.5	mg/kg	1.462	12.423	mg/kg	0.00124 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				4.8	mg/kg	2.976	14.286	mg/kg	0.00143 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				37	mg/kg	2.774	102.643	mg/kg	0.0103 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0209 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC031/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC031/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4	mg/kg	1.32	5.281	mg/kg	0.000528 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.3	mg/kg	1.462	12.131	mg/kg	0.00121 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.9	pH		6.9	pH	6.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %			
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:									0.027 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC041/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC041/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.4	mg/kg	1.32	5.809	mg/kg	0.000581 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.2	mg/kg	3.22	3.864	mg/kg	0.000386 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				21	mg/kg	2.976	62.502	mg/kg	0.00625 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				61	mg/kg	2.774	169.223	mg/kg	0.0169 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				158.6	mg/kg		158.6	mg/kg	0.0159 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
		201-469-6	83-32-9							
22	fluorene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-695-5	86-73-7							
23	phenanthrene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
		201-581-5	85-01-8							
24	anthracene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		204-371-1	120-12-7							
25	fluoranthene				5.5 mg/kg		5.5 mg/kg	0.00055 %		
		205-912-4	206-44-0							
26	pyrene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.84 mg/kg		0.84 mg/kg	0.000084 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0489 %		

## 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
- ND Not detected
- 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** No evidence of free-phase hydrocarbons, therefore, unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0159%)

Classification of sample: TP SBC023/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC023/0.20/2021-03-03</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.5 mg/kg	1.32	9.902 mg/kg	0.00099 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.6 mg/kg	2.554	1.532 mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				82 mg/kg	2.774	227.48 mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.038 %		

**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 Determinand - 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: BH SBC009/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC009/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.6 mg/kg	1.32	10.034 mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	38 mg/kg	1.56	59.273 mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.08 mg/kg	1.353	0.108 mg/kg	0.0000108 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.8 mg/kg	2.976	23.215 mg/kg	0.00232 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				86 mg/kg	2.774	238.577 mg/kg	0.0239 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.4 mg/kg	1.884	0.754 mg/kg	0.0000754 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0378 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC005/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC005/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	35 mg/kg	1.56	54.594 mg/kg	0.0035 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.2 mg/kg	2.976	21.429 mg/kg	0.00214 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				57 mg/kg	2.774	158.126 mg/kg	0.0158 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.8 pH		6.8 pH	6.8 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0278 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC028/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC028/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	38 mg/kg	1.56	59.273 mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				6 mg/kg	2.976	17.858 mg/kg	0.00179 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				46 mg/kg	2.774	127.611 mg/kg	0.0128 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.5 pH		7.5 pH	7.5 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0249 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH SBC011/0.20/2021-02-25**

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC011/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				9.2 mg/kg	2.976	27.382 mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				69 mg/kg	2.774	191.416 mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-912-4	206-44-0							
26	pyrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0327 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC014/0.30/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC014/0.30/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>	

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6	mg/kg	1.32	7.922	mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0294 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC025/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC025/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4 mg/kg	1.32	5.281 mg/kg	0.000528 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	41 mg/kg	1.56	63.952 mg/kg	0.0041 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				55 mg/kg	2.774	152.578 mg/kg	0.0153 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0298 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH SBC014A/0.20/2021-02-23**

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC014A/0.20/2021-02-23</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.3 mg/kg	1.32	5.677 mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.4 mg/kg	3.22	4.508 mg/kg	0.000451 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.5 mg/kg	2.976	22.322 mg/kg	0.00223 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				69 mg/kg	2.774	191.416 mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.6 pH		6.6 pH	6.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.7 mg/kg		0.7 mg/kg	0.00007 %		
			P1186							
Total:								0.0322 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC009/0.20/2021-02-22

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC009/0.20/2021-02-22</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.6 mg/kg	1.32	6.073 mg/kg	0.000607 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.8 mg/kg	3.22	5.796 mg/kg	0.00058 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				29 mg/kg	1.126	32.651 mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	47 mg/kg	1.56	73.311 mg/kg	0.0047 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.5 mg/kg	2.554	1.277 mg/kg	0.000128 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				87 mg/kg	2.774	241.351 mg/kg	0.0241 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				34.8 mg/kg		34.8 mg/kg	0.00348 %		
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		201-581-5	85-01-8							
24	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
25	fluoranthene				0.65 mg/kg		0.65 mg/kg	0.000065 %		
		205-912-4	206-44-0							
26	pyrene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0419 %		

#### 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
- ND** Not detected
- 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** No evidence of free-phase hydrocarbons, therefore, unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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


Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.00348%)



Classification of sample: TP SBC007/0.20/2021-02-22

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC007/0.20/2021-02-22</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	44	mg/kg	1.56	68.632	mg/kg	0.0044 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				100	mg/kg	2.774	277.415	mg/kg	0.0277 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-469-6	83-32-9							
22	fluorene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-695-5	86-73-7							
23	phenanthrene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
		201-581-5	85-01-8							
24	anthracene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		204-371-1	120-12-7							
25	fluoranthene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		205-912-4	206-44-0							
26	pyrene				0.56 mg/kg		0.56 mg/kg	0.000056 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.42 mg/kg		0.42 mg/kg	0.000042 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		205-883-8	191-24-2							
35	monohydric phenols				0.5 mg/kg		0.5 mg/kg	0.00005 %		
			P1186							
Total:								0.0435 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



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**Appendix A: Classifier defined and non CLP determinands**

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- **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: [REDACTED]

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

- **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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

■ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## 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 (edit as required)

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

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

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

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - Topsoil

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **16 Aug 2021 19:42 GMT**  
 Telephone: XXXXXXXXXX

Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC022/0.20/2021-03-11	0.2	Non Hazardous		3
2	BH SBC018/0.20/2021-03-08	0.2	Non Hazardous		5
3	BH SBC019/0.20/2021-03-05	0.2	Non Hazardous		7
4	BH SBC020/0.20/2021-03-07	0.2	Non Hazardous		9
5	BH SBC025/0.20/2021-03-05	0.2	Non Hazardous		11
6	BH SBC027/0.20/2021-03-08	0.2	Non Hazardous		13
7	TP SBC038/0.20/2021-03-05	0.2	Non Hazardous		15
8	TP SBC039/0.20/2021-03-05	0.2	Non Hazardous		17
9	TP SBC040/0.20/2021-03-08	0.2	Non Hazardous		19
10	TP SBC044/0.30/2021-03-08	0.3	Non Hazardous		21
11	TP SBC022/0.20/2021-03-04	0.2	Non Hazardous		23
12	BH SBC017/0.20/2021-03-04	0.2	Non Hazardous		25
13	BH SBC030/0.20/2021-03-04	0.2	Non Hazardous		27
14	BH SBC028/0.20/2021-03-02	0.2	Non Hazardous		29
15	BH SBC005/0.20/2021-02-25	0.2	Non Hazardous		31
16	BH SBC007/0.20/2021-03-01	0.2	Non Hazardous		33
17	TP SBC001/0.20/2021-03-02	0.2	Non Hazardous		35
18	TP SBC034/0.20/2021-03-01	0.2	Non Hazardous		37
19	BH SBC012/0.20/2021-02-26	0.2	Non Hazardous		39
20	BH SBC015/0.20/2021-02-26	0.2	Non Hazardous		41
21	TP SBC003/0.20/2021-02-26	0.2	Non Hazardous		43
22	TP SBC004/0.20/2021-02-26	0.2	Non Hazardous		45
23	TP SBC032/0.30/2021-02-26	0.3	Non Hazardous		47
24	BH SBC002/0.20/2021-03-12	0.2	Non Hazardous		49
25	BH SBC016/0.30/2021-03-05	0.3	Non Hazardous		51
26	BH SBC013/0.20/2021-03-08	0.2	Non Hazardous		53
27	BH SBC021/0.20/2021-03-09	0.2	Non Hazardous		55
28	BH SBC024/0.20/2021-03-10	0.2	Non Hazardous		57
29	BH SBC031/0.20/2021-03-09	0.2	Non Hazardous		59

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	TP SBC041/0.20/2021-03-09	0.2	Non Hazardous		61
31	TP SBC023/0.20/2021-03-03	0.2	Non Hazardous		64
32	BH SBC009/0.20/2021-02-24	0.2	Non Hazardous		66
33	TP SBC005/0.20/2021-02-25	0.2	Non Hazardous		68
34	TP SBC028/0.20/2021-02-25	0.2	Non Hazardous		70
35	BH SBC011/0.20/2021-02-25	0.2	Non Hazardous		72
36	TP SBC014/0.30/2021-02-24	0.3	Non Hazardous		74
37	TP SBC025/0.20/2021-02-24	0.2	Non Hazardous		76
38	BH SBC014A/0.20/2021-02-23	0.2	Non Hazardous		78
39	TP SBC009/0.20/2021-02-22	0.2	Non Hazardous		80
40	TP SBC007/0.20/2021-02-22	0.2	Non Hazardous		83

## Related documents

#	Name	Description
1	21-05422.hwol	.hwol file used to create the Job
2	21-05071.hwol	.hwol file used to create the Job
3	21-04815.hwol	.hwol file used to create the Job
4	21-05777.hwol	.hwol file used to create the Job
5	21-05628.hwol	.hwol file used to create the Job
6	21-05425.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

## Report

Created by: Rachel Boyle

Created date: 16 Aug 2021 19:42 GMT

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Appendix A: Classifier defined and non CLP determinands	85
Appendix B: Rationale for selection of metal species	86
Appendix C: Version	87

Classification of sample: BH SBC022/0.20/2021-03-11

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

### Sample details

Sample name:	LoW Code:	
<b>BH SBC022/0.20/2021-03-11</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

### 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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.135	mg/kg	0.0000135 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.4	mg/kg	2.976	25.001	mg/kg	0.0025 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				59	mg/kg	2.774	163.675	mg/kg	0.0164 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.3 mg/kg		0.3 mg/kg	0.00003 %		
			P1186							
Total:								0.0312 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC018/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC018/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	41	mg/kg	1.56	63.952	mg/kg	0.0041 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				53	mg/kg	2.774	147.03	mg/kg	0.0147 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0288 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC019/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC019/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.4	mg/kg	1.32	4.489	mg/kg	0.000449 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				8.6	mg/kg	1.126	9.683	mg/kg	0.000968 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				60	mg/kg	2.774	166.449	mg/kg	0.0166 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0293 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC020/0.20/2021-03-07

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC020/0.20/2021-03-07</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				27	mg/kg	1.126	30.399	mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.9	mg/kg	2.976	17.56	mg/kg	0.00176 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0277 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC025/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC025/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.2 mg/kg	1.32	9.506 mg/kg	0.000951 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				10 mg/kg	2.976	29.763 mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				49 mg/kg	2.774	135.933 mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.4 pH		6.4 pH	6.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3 mg/kg	1.884	0.565 mg/kg	0.0000565 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0284 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC027/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC027/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.4	mg/kg	1.32	8.45	mg/kg	0.000845 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	51	mg/kg	1.56	79.551	mg/kg	0.0051 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				69	mg/kg	2.774	191.416	mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0364 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC038/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC038/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	20.266	mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				61	mg/kg	2.774	169.223	mg/kg	0.0169 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0318 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC039/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC039/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.4	mg/kg	1.32	9.77	mg/kg	0.000977 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	40	mg/kg	1.56	62.393	mg/kg	0.004 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.3	mg/kg	2.976	27.679	mg/kg	0.00277 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				71	mg/kg	2.774	196.964	mg/kg	0.0197 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.7	pH		6.7	pH	6.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.035 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC040/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC040/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				14	mg/kg	2.976	41.668	mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				66	mg/kg	2.774	183.094	mg/kg	0.0183 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0337 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC044/0.30/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC044/0.30/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	39	mg/kg	1.56	60.833	mg/kg	0.0039 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				72	mg/kg	2.774	199.739	mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0365 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC022/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC022/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7	mg/kg	1.32	9.242	mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	20.266	mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	32	mg/kg	1.56	49.914	mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				14	mg/kg	2.976	41.668	mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				74	mg/kg	2.774	205.287	mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0355 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC017/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC017/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				81	mg/kg	2.774	224.706	mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0388 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC030/0.20/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC030/0.20/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.9	mg/kg	1.32	10.431	mg/kg	0.00104 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				33	mg/kg	1.126	37.154	mg/kg	0.00372 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				69	mg/kg	2.774	191.416	mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0359 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC028/0.20/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC028/0.20/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.8	mg/kg	2.976	20.239	mg/kg	0.00202 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0276 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC005/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC005/0.20/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	9.8 mg/kg	1.32	12.939 mg/kg	0.00129 %		
2	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 %		
3	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 %		
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) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	29 mg/kg	1.126	32.651 mg/kg	0.00327 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	40 mg/kg	1.56	62.393 mg/kg	0.004 %		
8	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 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	12 mg/kg	2.976	35.715 mg/kg	0.00357 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	1.5 mg/kg	2.554	3.831 mg/kg	0.000383 %		
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	94 mg/kg	2.774	260.77 mg/kg	0.0261 %		
12	pH			PH	7.1 pH		7.1 pH	7.1 pH		
13	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			0.3 mg/kg	1.884	0.565 mg/kg	0.0000565 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.3 mg/kg		0.3 mg/kg	0.00003 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0431 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC007/0.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC007/0.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.2	mg/kg	2.976	24.405	mg/kg	0.00244 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				1.1	mg/kg	2.554	2.809	mg/kg	0.000281 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				79	mg/kg	2.774	219.158	mg/kg	0.0219 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.036 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC001/0.20/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC001/0.20/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				17	mg/kg	2.976	50.597	mg/kg	0.00506 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				77	mg/kg	2.774	213.609	mg/kg	0.0214 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.5	pH		6.5	pH	6.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0361 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC034/0.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC034/0.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.5	mg/kg	1.32	8.582	mg/kg	0.000858 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				68	mg/kg	1.126	76.56	mg/kg	0.00766 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	46	mg/kg	1.56	71.751	mg/kg	0.0046 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0415 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC012/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC012/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.6	mg/kg	1.32	11.355	mg/kg	0.00114 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	58	mg/kg	1.56	90.469	mg/kg	0.0058 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.2	mg/kg	2.976	27.382	mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				94	mg/kg	2.774	260.77	mg/kg	0.0261 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.7	pH		6.7	pH	6.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.17 mg/kg		0.17 mg/kg	0.000017 %		
		205-912-4	206-44-0							
26	pyrene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0428 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC015/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC015/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				31	mg/kg	2.976	92.264	mg/kg	0.00923 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.8	mg/kg	2.554	2.043	mg/kg	0.000204 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				77	mg/kg	2.774	213.609	mg/kg	0.0214 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		205-912-4	206-44-0							
26	pyrene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0451 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC003/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC003/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.6	mg/kg	1.32	7.394	mg/kg	0.000739 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				7.7	mg/kg	2.976	22.917	mg/kg	0.00229 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0253 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC004/0.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC004/0.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0 215-481-4 1327-53-3				5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
2	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 %		
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				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6			1	33	mg/kg	1.56	51.474	mg/kg	0.0033 %		
8	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
9	nickel { nickel chromate } 028-035-00-7 238-766-5 14721-18-7				7.8	mg/kg	2.976	23.215	mg/kg	0.00232 %		
10	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 236-878-9 13530-65-9				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
12	pH PH				7.7	pH		7.7	pH	7.7 pH		
13	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				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8 200-753-7 71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3 203-625-9 108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
		201-581-5	85-01-8							
24	anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		204-371-1	120-12-7							
25	fluoranthene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		205-912-4	206-44-0							
26	pyrene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0269 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC032/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC032/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7	pH		7	pH	7pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0335 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC002/0.20/2021-03-12

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC002/0.20/2021-03-12</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.2 mg/kg	1.32	8.186 mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	35 mg/kg	1.56	54.594 mg/kg	0.0035 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.09 mg/kg	1.353	0.122 mg/kg	0.0000122 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				64 mg/kg	2.774	177.545 mg/kg	0.0178 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7 pH		7 pH	7pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
Total:								0.0311 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC016/0.30/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC016/0.30/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0   215-481-4   1327-53-3				7.3	mg/kg	1.32	9.638	mg/kg	0.000964 %		
2	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 %		
3	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 %		
4	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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2   231-846-0   7758-97-6			1	30	mg/kg	1.56	46.794	mg/kg	0.003 %		
8	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
9	nickel { nickel chromate } 028-035-00-7   238-766-5   14721-18-7				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
10	selenium { nickel selenate } 028-031-00-5   239-125-2   15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3   236-878-9   13530-65-9				72	mg/kg	2.774	199.739	mg/kg	0.02 %		
12	pH     PH				7.3	pH		7.3	pH	7.3 pH		
13	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				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
14	TPH (C6 to C40) petroleum group     TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8   200-753-7   71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3   203-625-9   108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0351 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC013/0.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC013/0.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.7	mg/kg	1.32	10.167	mg/kg	0.00102 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	48	mg/kg	1.56	74.871	mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.06	mg/kg	1.353	0.0812	mg/kg	0.00000812 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				90	mg/kg	2.774	249.673	mg/kg	0.025 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.4	mg/kg	1.884	0.754	mg/kg	0.0000754 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0425 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC021/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC021/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.2	mg/kg	1.32	4.225	mg/kg	0.000423 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.1	mg/kg	1.462	5.992	mg/kg	0.000599 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.6	mg/kg	2.976	19.643	mg/kg	0.00196 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0234 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC024/0.20/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC024/0.20/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0   215-481-4   1327-53-3				4.7	mg/kg	1.32	6.206	mg/kg	0.000621 %		
2	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 %		
3	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 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9   1308-38-9				8.5	mg/kg	1.462	12.423	mg/kg	0.00124 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2   231-846-0   7758-97-6			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
8	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
9	nickel { nickel chromate } 028-035-00-7   238-766-5   14721-18-7				4.8	mg/kg	2.976	14.286	mg/kg	0.00143 %		
10	selenium { nickel selenate } 028-031-00-5   239-125-2   15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3   236-878-9   13530-65-9				37	mg/kg	2.774	102.643	mg/kg	0.0103 %		
12	pH PH				7.5	pH		7.5	pH	7.5 pH		
13	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				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8   200-753-7   71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3   203-625-9   108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0209 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC031/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC031/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4	mg/kg	1.32	5.281	mg/kg	0.000528 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.3	mg/kg	1.462	12.131	mg/kg	0.00121 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.9	pH		6.9	pH	6.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.027 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC041/0.20/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC041/0.20/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.4	mg/kg	1.32	5.809	mg/kg	0.000581 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.2	mg/kg	3.22	3.864	mg/kg	0.000386 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				21	mg/kg	2.976	62.502	mg/kg	0.00625 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				61	mg/kg	2.774	169.223	mg/kg	0.0169 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				158.6	mg/kg		158.6	mg/kg	0.0159 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
		201-469-6	83-32-9							
22	fluorene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-695-5	86-73-7							
23	phenanthrene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
		201-581-5	85-01-8							
24	anthracene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		204-371-1	120-12-7							
25	fluoranthene				5.5 mg/kg		5.5 mg/kg	0.00055 %		
		205-912-4	206-44-0							
26	pyrene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.84 mg/kg		0.84 mg/kg	0.000084 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0489 %		

## 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
- ND** Not detected
- 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** No evidence of free-phase hydrocarbons, therefore, unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0159%)

Classification of sample: TP SBC023/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC023/0.20/2021-03-03</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.5 mg/kg	1.32	9.902 mg/kg	0.00099 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.6 mg/kg	2.554	1.532 mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				82 mg/kg	2.774	227.48 mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.038 %		

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 Determinand - 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: BH SBC009/0.20/2021-02-24**

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC009/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.6 mg/kg	1.32	10.034 mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	38 mg/kg	1.56	59.273 mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.08 mg/kg	1.353	0.108 mg/kg	0.0000108 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.8 mg/kg	2.976	23.215 mg/kg	0.00232 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				86 mg/kg	2.774	238.577 mg/kg	0.0239 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.4 mg/kg	1.884	0.754 mg/kg	0.0000754 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0378 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC005/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC005/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	35 mg/kg	1.56	54.594 mg/kg	0.0035 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.2 mg/kg	2.976	21.429 mg/kg	0.00214 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				57 mg/kg	2.774	158.126 mg/kg	0.0158 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.8 pH		6.8 pH	6.8 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-912-4	206-44-0							
26	pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0278 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC028/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC028/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	38 mg/kg	1.56	59.273 mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				6 mg/kg	2.976	17.858 mg/kg	0.00179 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				46 mg/kg	2.774	127.611 mg/kg	0.0128 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.5 pH		7.5 pH	7.5 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0249 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC011/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC011/0.20/2021-02-25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				9.2 mg/kg	2.976	27.382 mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				69 mg/kg	2.774	191.416 mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-912-4	206-44-0							
26	pyrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0327 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC014/0.30/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC014/0.30/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6	mg/kg	1.32	7.922	mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0294 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC025/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC025/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4 mg/kg	1.32	5.281 mg/kg	0.000528 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	41 mg/kg	1.56	63.952 mg/kg	0.0041 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				55 mg/kg	2.774	152.578 mg/kg	0.0153 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0298 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



**Classification of sample: BH SBC014A/0.20/2021-02-23**

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC014A/0.20/2021-02-23</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.3 mg/kg	1.32	5.677 mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.4 mg/kg	3.22	4.508 mg/kg	0.000451 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7.5 mg/kg	2.976	22.322 mg/kg	0.00223 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				69 mg/kg	2.774	191.416 mg/kg	0.0191 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.6 pH		6.6 pH	6.6 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.7 mg/kg		0.7 mg/kg	0.00007 %		
			P1186							
Total:								0.0322 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC009/0.20/2021-02-22

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC009/0.20/2021-02-22</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.6 mg/kg	1.32	6.073 mg/kg	0.000607 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.8 mg/kg	3.22	5.796 mg/kg	0.00058 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				29 mg/kg	1.126	32.651 mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	47 mg/kg	1.56	73.311 mg/kg	0.0047 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.5 mg/kg	2.554	1.277 mg/kg	0.000128 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				87 mg/kg	2.774	241.351 mg/kg	0.0241 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				34.8 mg/kg		34.8 mg/kg	0.00348 %		
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		201-581-5	85-01-8							
24	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
25	fluoranthene				0.65 mg/kg		0.65 mg/kg	0.000065 %		
		205-912-4	206-44-0							
26	pyrene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0419 %		

#### 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
- ND** Not detected
- 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** No evidence of free-phase hydrocarbons, therefore, unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

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TPH (C6 to C40) petroleum group: (conc.: 0.00348%)



Classification of sample: TP SBC007/0.20/2021-02-22

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC007/0.20/2021-02-22</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	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 %		
2	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 %		
3	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 %		
4	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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2   231-846-0   7758-97-6			1	44	mg/kg	1.56	68.632	mg/kg	0.0044 %		
8	mercury { mercury dichloride } 080-010-00-X   231-299-8   7487-94-7				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %		
9	nickel { nickel chromate } 028-035-00-7   238-766-5   14721-18-7				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
10	selenium { nickel selenate } 028-031-00-5   239-125-2   15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3   236-878-9   13530-65-9				100	mg/kg	2.774	277.415	mg/kg	0.0277 %		
12	pH PH				7.5	pH		7.5	pH	7.5 pH		
13	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				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8   200-753-7   71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3   203-625-9   108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-469-6	83-32-9							
22	fluorene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-695-5	86-73-7							
23	phenanthrene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
		201-581-5	85-01-8							
24	anthracene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		204-371-1	120-12-7							
25	fluoranthene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		205-912-4	206-44-0							
26	pyrene				0.56 mg/kg		0.56 mg/kg	0.000056 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.42 mg/kg		0.42 mg/kg	0.000042 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		205-883-8	191-24-2							
35	monohydric phenols				0.5 mg/kg		0.5 mg/kg	0.00005 %		
			P1186							
Total:								0.0435 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Appendix A: Classifier defined and non CLP determinands**

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- **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: [REDACTED]

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

- **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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database; SDS Sigma Aldrich 2014

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B H314, Skin Corr. 1B H314 &gt;= 3%, Skin Irrit. 2 H315 1 £ conc. &lt; 3%, Eye Irrit. 2 H319 1 £ conc. &lt; 3%, Muta. 2 H341, STOT RE 2 H373, Aquatic Chronic 2 H411

**polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

**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 (edit as required)

**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 (edit as required)

**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. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride &amp; iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

**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 (edit as required)

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

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

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - MG

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **16 Aug 2021 18:04 GMT**  
 Telephone: XXXXXXXXXX  
 Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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

**HazWasteOnline™ Certification:**

**CERTIFIED**

**Course**  
 Hazardous Waste Classification

**Date**  
 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC032/0.50/2021-03-10	0.5	Non Hazardous		3
2	BH SBC026/0.20/2021-03-09	0.2	Non Hazardous		6
3	BH SBC008/1.0	1.0	Non Hazardous		9
4	BH SBC010/0.20/2021-02-23	0.2	Non Hazardous		12
5	WS SBC004/0.30/2021-02-23	0.3	Hazardous	HP 3(i), HP 7, HP 11	14
6	BH SBC006/0.10/2021-03-23	0.1	Non Hazardous		17
7	BH SBC006/1.00/2021-03-23	1.0	Non Hazardous		19

### Related documents

#	Name	Description
1	21-05777.hwol	.hwol file used to create the Job
2	21-05628.hwol	.hwol file used to create the Job
3	21-05425.hwol	.hwol file used to create the Job
4	21-05422.hwol	.hwol file used to create the Job
5	21-05071.hwol	.hwol file used to create the Job
6	21-04815.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

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## Report

Created by: Rachel Boyle

Created date: 16 Aug 2021 18:04 GMT


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

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Classification of sample: BH SBC032/0.50/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC032/0.50/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				55	mg/kg	2.774	152.578	mg/kg	0.0153 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.4	pH		9.4	pH	9.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				691.8	mg/kg		691.8	mg/kg	0.0692 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		201-469-6	83-32-9							
22	fluorene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
		201-695-5	86-73-7							
23	phenanthrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		201-581-5	85-01-8							
24	anthracene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		204-371-1	120-12-7							
25	fluoranthene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		205-912-4	206-44-0							
26	pyrene				0.99 mg/kg		0.99 mg/kg	0.000099 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0983 %		

## 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
- ND** Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

---


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0692%)

**Classification of sample: BH SBC026/0.20/2021-03-09**

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC026/0.20/2021-03-09</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.9 mg/kg	1.32	6.47 mg/kg	0.000647 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	43.91 mg/kg	0.00439 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	54 mg/kg	1.56	84.23 mg/kg	0.0054 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.19 mg/kg	1.353	0.257 mg/kg	0.0000257 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				305 mg/kg		305 mg/kg	0.0305 %		
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				2 mg/kg		2 mg/kg	0.0002 %		
		201-469-6	83-32-9							
22	fluorene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		201-695-5	86-73-7							
23	phenanthrene				15 mg/kg		15 mg/kg	0.0015 %		
		201-581-5	85-01-8							
24	anthracene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
		204-371-1	120-12-7							
25	fluoranthene				26 mg/kg		26 mg/kg	0.0026 %		
		205-912-4	206-44-0							
26	pyrene				20 mg/kg		20 mg/kg	0.002 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				7.8 mg/kg		7.8 mg/kg	0.00078 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				7.9 mg/kg		7.9 mg/kg	0.00079 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				7.3 mg/kg		7.3 mg/kg	0.00073 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				3.3 mg/kg		3.3 mg/kg	0.00033 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				5.4 mg/kg		5.4 mg/kg	0.00054 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				1.9 mg/kg		1.9 mg/kg	0.00019 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0779 %		

#### 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
- ND** Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

---

Hazard Statements hit:

---

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


Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0305%)



**Classification of sample: BH SBC008/1.0**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC008/1.0</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.3	mg/kg	1.32	5.677	mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				3.9	mg/kg	3.22	12.558	mg/kg	0.00126 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				29	mg/kg	1.462	42.385	mg/kg	0.00424 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				9.8	mg/kg	1.126	11.034	mg/kg	0.0011 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	3.5	mg/kg	1.56	5.459	mg/kg	0.00035 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.2	mg/kg	2.976	6.548	mg/kg	0.000655 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				2.1	mg/kg	2.554	5.363	mg/kg	0.000536 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				20	mg/kg	2.774	55.483	mg/kg	0.00555 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.1	pH		9.1	pH	9.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				703.5	mg/kg		703.5	mg/kg	0.0703 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-917-1	208-96-8							
21	acenaphthene				2.6 mg/kg		2.6 mg/kg	0.00026 %		
		201-469-6	83-32-9							
22	fluorene				2.7 mg/kg		2.7 mg/kg	0.00027 %		
		201-695-5	86-73-7							
23	phenanthrene				10 mg/kg		10 mg/kg	0.001 %		
		201-581-5	85-01-8							
24	anthracene				2.9 mg/kg		2.9 mg/kg	0.00029 %		
		204-371-1	120-12-7							
25	fluoranthene				14 mg/kg		14 mg/kg	0.0014 %		
		205-912-4	206-44-0							
26	pyrene				12 mg/kg		12 mg/kg	0.0012 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				5.8 mg/kg		5.8 mg/kg	0.00058 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				4.7 mg/kg		4.7 mg/kg	0.00047 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				4.7 mg/kg		4.7 mg/kg	0.00047 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				4.1 mg/kg		4.1 mg/kg	0.00041 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0918 %		

## 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
- ND** Not detected
- 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** No free-phase hydrocarbons so unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0703%)

Classification of sample: BH SBC010/0.20/2021-02-23

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

**Sample details**

Sample name:	LoW Code:
<b>BH SBC010/0.20/2021-02-23</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.3 mg/kg	1.32	8.318 mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				16 mg/kg	2.976	47.62 mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				74 mg/kg	2.774	205.287 mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				6.4 pH		6.4 pH	6.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		205-912-4	206-44-0							
26	pyrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0368 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS SBC004/0.30/2021-02-23

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

**Sample details**

Sample name: <b>WS SBC004/0.30/2021-02-23</b>	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: <b>0.3 m</b>	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

**Hazard properties**

**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.: 0.158%)

**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.: 0.158%)

**Hazard properties (substances considered hazardous until shown otherwise)**

**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"

Hazard Statements hit:





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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.158%)

**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
	CLP index number	EC Number	CAS Number									
1	 arsenic { arsenic trioxide }				1.8	mg/kg	1.32	2.377	mg/kg	0.000238 %		
	033-003-00-0	215-481-4	1327-53-3									
2	 boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	 cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.1	mg/kg	1.462	11.839	mg/kg	0.00118 %		
		215-160-9	1308-38-9									




#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
5	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				9.6	mg/kg	1.126	10.809	mg/kg	0.00108 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	9	mg/kg	1.56	14.038	mg/kg	0.0009 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.7	mg/kg	2.976	8.036	mg/kg	0.000804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				37	mg/kg	2.774	102.643	mg/kg	0.0103 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				9.7	pH		9.7	pH	9.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				1577.8	mg/kg		1577.8	mg/kg	0.158 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
17	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
18	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
19	naphthalene				9.3	mg/kg		9.3	mg/kg	0.00093 %		
	601-052-00-2	202-049-5	91-20-3									
20	acenaphthylene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
		205-917-1	208-96-8									
21	acenaphthene				46	mg/kg		46	mg/kg	0.0046 %		
		201-469-6	83-32-9									
22	fluorene				64	mg/kg		64	mg/kg	0.0064 %		
		201-695-5	86-73-7									
23	phenanthrene				340	mg/kg		340	mg/kg	0.034 %		
		201-581-5	85-01-8									
24	anthracene				84	mg/kg		84	mg/kg	0.0084 %		
		204-371-1	120-12-7									
25	fluoranthene				530	mg/kg		530	mg/kg	0.053 %		
		205-912-4	206-44-0									
26	pyrene				400	mg/kg		400	mg/kg	0.04 %		
		204-927-3	129-00-0									
27	benzo[a]anthracene				200	mg/kg		200	mg/kg	0.02 %		
	601-033-00-9	200-280-6	56-55-3									
28	chrysene				200	mg/kg		200	mg/kg	0.02 %		
	601-048-00-0	205-923-4	218-01-9									
29	benzo[b]fluoranthene				84	mg/kg		84	mg/kg	0.0084 %		
	601-034-00-4	205-911-9	205-99-2									
30	benzo[k]fluoranthene				77	mg/kg		77	mg/kg	0.0077 %		
	601-036-00-5	205-916-6	207-08-9									

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
31	benzo[a]pyrene; benzo[def]chrysene				140	mg/kg		140	mg/kg	0.014 %		
	601-032-00-3	200-028-5	50-32-8									
32	indeno[123-cd]pyrene				21	mg/kg		21	mg/kg	0.0021 %		
		205-893-2	193-39-5									
33	dibenz[a,h]anthracene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
34	benzo[ghi]perylene				91	mg/kg		91	mg/kg	0.0091 %		
		205-883-8	191-24-2									
35	monohydric phenols				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			P1186									
36	coronene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		205-881-7	191-07-1									
37	polychlorobiphenyls; PCB				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3									
Total:										0.402 %		

### 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 Determinand - 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: BH SBC006/0.10/2021-03-23

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

**Sample details**

Sample name:	BH SBC006/0.10/2021-03-23	LoW Code:	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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
2	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 %		
3	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 %		
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) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	56 mg/kg	1.126	63.05 mg/kg	0.0063 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	19 mg/kg	1.56	29.636 mg/kg	0.0019 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	26 mg/kg	2.976	77.383 mg/kg	0.00774 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	50 mg/kg	2.774	138.707 mg/kg	0.0139 %		
12	pH			PH	8 pH		8 pH	8pH		
13	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			1.2 mg/kg	1.884	2.261 mg/kg	0.000226 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-469-6	83-32-9							
22	fluorene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-695-5	86-73-7							
23	phenanthrene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		201-581-5	85-01-8							
24	anthracene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-371-1	120-12-7							
25	fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-912-4	206-44-0							
26	pyrene				0.83 mg/kg		0.83 mg/kg	0.000083 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0358 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC006/1.00/2021-03-23

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC006/1.00/2021-03-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.6	mg/kg	1.32	4.753	mg/kg	0.000475 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.3	mg/kg	1.462	10.669	mg/kg	0.00107 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.3	mg/kg	2.976	24.703	mg/kg	0.00247 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				41	mg/kg	2.774	113.74	mg/kg	0.0114 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-581-5	85-01-8							
24	anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		204-371-1	120-12-7							
25	fluoranthene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-912-4	206-44-0							
26	pyrene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0214 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

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**Appendix A: Classifier defined and non CLP determinands**

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- **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: [REDACTED]

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

- **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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

- monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

- coronene (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source: [REDACTED]

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

- polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## 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 (edit as required)

### 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 (edit as required)

### 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. (edit as



required) 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 (edit as required)

#### **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 (edit as required)

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

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

#### **copper {dicopper oxide; copper (I) oxide}**

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

#### **lead {lead chromate}**

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

#### **mercury {mercury dichloride}**

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

#### **nickel {nickel chromate}**

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

#### **selenium {nickel selenate}**

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

#### **zinc {zinc chromate}**

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

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

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

### **Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2020

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 9 - Glacial Deposits

### Description/Comments

Preliminary waste classification

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 9

### Classified by

Name: **Rachel Boyle**  
 Date: **17 Aug 2021 09:39 GMT**  
 Telephone: XXXXXXXXXX

Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH SBC001/0.20/2021-03-05	0.2	Non Hazardous		3
2	TP SBC036/0.20/2021-03-05	0.2	Non Hazardous		5
3	TP SBC035/0.40/2021-03-04	0.4	Non Hazardous		7
4	BH SBC030/1.00/2021-03-04	1.0	Non Hazardous		9
5	TP SBC019/0.30/2021-03-02	0.3	Non Hazardous		11
6	TP SBC020/0.30/2021-03-02	0.3	Non Hazardous		13
7	TP SBC021/0.30/2021-03-02	0.3	Non Hazardous		15
8	BH SBC023A(1)/1.00/2021-03-02	1.0	Non Hazardous		17
9	TP SBC017/0.40/2021-03-01	0.4	Non Hazardous		19
10	TP SBC017/1.20/2021-03-01	1.2	Non Hazardous		21
11	TP SBC018/2.20/2021-03-01	2.2	Non Hazardous		23
12	BH SBC012/2.40/2021-02-26	2.4	Non Hazardous		25
13	BH SBC015/2.20/2021-03-25	2.2	Non Hazardous		27
14	TP SBC002/1.00/2021-02-26	1.0	Non Hazardous		29
15	TP SBC031/0.30/2021-02-26	0.3	Non Hazardous		31
16	TP SBC031/2.20/2021-02-26	2.2	Non Hazardous		33
17	TP SBC032/1.20/2021-02-26	1.2	Non Hazardous		35
18	TP SBC033/0.30/2021-02-26	0.3	Non Hazardous		37
19	BH SBC021/4.00/2021-03-11	4.0	Non Hazardous		39
20	BH SBC013/1.20/2021-03-08	1.2	Non Hazardous		41
21	BH SBC024/2.00/2021-03-10	2.0	Non Hazardous		43
22	BH SBC026/2.50/2021-03-09	2.5	Non Hazardous		45
23	BH SBC031/2.50/2021-03-09	2.5	Non Hazardous		47
24	TP SBC013/0.20/2021-03-03	0.2	Non Hazardous		49
25	TP SBC013/4.00/2021-03-03	4.0	Non Hazardous		51
26	TP SBC015/0.20/2021-03-03	0.2	Non Hazardous		53
27	BH SBC029/1.00/2021-03-03	1.0	Non Hazardous		55
28	TP SBC030/0.40/2021-03-04	0.4	Non Hazardous		57
29	TP SBC042/0.30/2021-03-03	0.3	Non Hazardous		59

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	TP SBC027/0.20/2021-02-25	0.2	Non Hazardous		61
31	TP SBC027/4.00/2021-02-25	4.0	Non Hazardous		63
32	TP SBC005/2.50/2021-02-25	2.5	Non Hazardous		65
33	TP SBC028/5.00/2021-02-25	5.0	Non Hazardous		67
34	TP SBC029/0.30/2021-02-25	0.3	Non Hazardous		69
35	TP SBC008/0.20/2021-02-23	0.2	Non Hazardous		71
36	TP SBC010/1.00/2021-02-23	1.0	Non Hazardous		73
37	TP SBC006/2.20/2021-02-23	2.2	Non Hazardous		75
38	TP SBC012/0.40/2021-02-25	0.4	Non Hazardous		77
39	TP SBC014/3.00/2021-02-24	3.0	Non Hazardous		79
40	TP SBC012A/2.20/2021-02-24	2.2	Non Hazardous		81
41	TP SBC026/0.20/2021-02-24	0.2	Non Hazardous		83
42	TP SBC026/2.50/2021-02-24	2.5	Non Hazardous		85
43	TP SBC011/0.30/2021-02-23	0.3	Non Hazardous		87
44	TP SBC011/3.00/2021-02-23	3.0	Non Hazardous		90
45	TP SBC024/0.20/2021-02-24	0.2	Non Hazardous		92
46	TP SBC006/0.4 23/02/2021	0.4	Non Hazardous		94

## Related documents

#	Name	Description
1	21-05777.hwol	.hwol file used to create the Job
2	21-05628.hwol	.hwol file used to create the Job
3	21-05425.hwol	.hwol file used to create the Job
4	21-05422.hwol	.hwol file used to create the Job
5	21-05071.hwol	.hwol file used to create the Job
6	21-04815.hwol	.hwol file used to create the Job
7	21-04695.hwol	.hwol file used to create the Job
8	21-04476.hwol	.hwol file used to create the Job
9	21-04426.hwol	.hwol file used to create the Job
10	21-05582.hwol	.hwol file used to create the Job
11	21-05075.hwol	.hwol file used to create the Job
12	21-05271.hwol	.hwol file used to create the Job
13	21-05267.hwol	.hwol file used to create the Job
14	21-04811.hwol	.hwol file used to create the Job
15	21-04299.hwol	.hwol file used to create the Job
16	21-04298.hwol	.hwol file used to create the Job
17	21-04296.hwol	.hwol file used to create the Job
18	21-04241.hwol	.hwol file used to create the Job
19	21-03911.hwol	.hwol file used to create the Job
20	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

## Report

Created by: Rachel Boyle

Created date: 17 Aug 2021 09:39 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	96
Appendix B: Rationale for selection of metal species	97
Appendix C: Version	98

Classification of sample: BH SBC001/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC001/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.3	mg/kg	1.32	10.959	mg/kg	0.0011 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.8	mg/kg	1.142	0.914	mg/kg	0.0000914 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	46	mg/kg	1.56	71.751	mg/kg	0.0046 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				93	mg/kg	2.774	257.996	mg/kg	0.0258 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				0.4 mg/kg		0.4 mg/kg	0.00004 %		
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0444 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC036/0.20/2021-03-05

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC036/0.20/2021-03-05</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.2	mg/kg	1.32	10.827	mg/kg	0.00108 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				31	mg/kg	1.126	34.903	mg/kg	0.00349 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	42	mg/kg	1.56	65.512	mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.06	mg/kg	1.353	0.0812	mg/kg	0.00000812 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.3	mg/kg	1.884	0.565	mg/kg	0.0000565 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0382 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC035/0.40/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC035/0.40/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0 215-481-4 1327-53-3				3.7	mg/kg	1.32	4.885	mg/kg	0.000489 %		
2	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 %		
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				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
8	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
9	nickel { nickel chromate } 028-035-00-7 238-766-5 14721-18-7				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
10	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 236-878-9 13530-65-9				64	mg/kg	2.774	177.545	mg/kg	0.0178 %		
12	pH PH				7.1	pH		7.1	pH	7.1 pH		
13	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				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8 200-753-7 71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3 203-625-9 108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0304 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC030/1.00/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC030/1.00/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	30.399 mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	27 mg/kg	1.56	42.115 mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				38 mg/kg	2.976	113.098 mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				75 mg/kg	2.774	208.061 mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.8 pH		7.8 pH	7.8 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				100 mg/kg		100 mg/kg	0.01 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:								0.0534 %			

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC019/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC019/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide } 033-003-00-0 215-481-4 1327-53-3				7	mg/kg	1.32	9.242	mg/kg	0.000924 %		
2	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 %		
3	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 %		
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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
8	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
9	nickel { nickel chromate } 028-035-00-7 238-766-5 14721-18-7				17	mg/kg	2.976	50.597	mg/kg	0.00506 %		
10	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 236-878-9 13530-65-9				65	mg/kg	2.774	180.32	mg/kg	0.018 %		
12	pH PH				7.6	pH		7.6	pH	7.6 pH		
13	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				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8 200-753-7 71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3 203-625-9 108-88-3				<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0319 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC020/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC020/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.9	mg/kg	1.32	9.11	mg/kg	0.000911 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				42	mg/kg	2.774	116.514	mg/kg	0.0117 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.6	pH		7.6	pH	7.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0257 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC021/0.30/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC021/0.30/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.3	mg/kg	1.32	9.638	mg/kg	0.000964 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				31	mg/kg	1.126	34.903	mg/kg	0.00349 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	32	mg/kg	1.56	49.914	mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				50	mg/kg	2.774	138.707	mg/kg	0.0139 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0299 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC023A(1)/1.00/2021-03-02

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC023A(1)/1.00/2021-03-02</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.1	mg/kg	1.32	8.054	mg/kg	0.000805 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				42	mg/kg	2.976	125.003	mg/kg	0.0125 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				74	mg/kg	2.774	205.287	mg/kg	0.0205 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.4	pH		7.4	pH	7.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0451 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC017/0.40/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC017/0.40/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.8	mg/kg	1.32	6.338	mg/kg	0.000634 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	12	mg/kg	1.56	18.718	mg/kg	0.0012 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				47	mg/kg	2.774	130.385	mg/kg	0.013 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0248 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC017/1.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC017/1.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.2	mg/kg	1.32	8.186	mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	18	mg/kg	1.56	28.077	mg/kg	0.0018 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				27	mg/kg	2.976	80.359	mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.6	mg/kg	2.554	1.532	mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				81	mg/kg	2.774	224.706	mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0401 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC018/2.20/2021-03-01

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC018/2.20/2021-03-01</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.7	mg/kg	1.32	11.487	mg/kg	0.00115 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				28	mg/kg	2.976	83.335	mg/kg	0.00833 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0401 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC012/2.40/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC012/2.40/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.9	mg/kg	1.32	13.071	mg/kg	0.00131 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				33	mg/kg	2.976	98.217	mg/kg	0.00982 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				100	mg/kg	2.774	277.415	mg/kg	0.0277 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %			
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %			
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				3400 mg/kg		3400 mg/kg	0.34 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
37	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	602-039-00-4	215-648-1	1336-36-3								
Total:									0.39 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: BH SBC015/2.20/2021-03-25**

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC015/2.20/2021-03-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.3	mg/kg	1.32	10.959	mg/kg	0.0011 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				27	mg/kg	1.126	30.399	mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				25	mg/kg	2.976	74.407	mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				68	mg/kg	2.774	188.642	mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	sulfur { sulfur }				3300 mg/kg		3300 mg/kg	0.33 %		
	016-094-00-1	231-722-6	7704-34-9							
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.367 %		

**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 Determinand - 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: TP SBC002/1.00/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC002/1.00/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.1	mg/kg	1.32	10.695	mg/kg	0.00107 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				38	mg/kg	2.976	113.098	mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.9	mg/kg	2.554	2.298	mg/kg	0.00023 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				92	mg/kg	2.774	255.221	mg/kg	0.0255 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.3	pH		7.3	pH	7.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0474 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC031/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC031/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0275 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC031/2.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC031/2.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	20	mg/kg	1.56	31.196	mg/kg	0.002 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				21	mg/kg	2.976	62.502	mg/kg	0.00625 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				54	mg/kg	2.774	149.804	mg/kg	0.015 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0303 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC032/1.20/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC032/1.20/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10	mg/kg	1.462	14.616	mg/kg	0.00146 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0324 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC033/0.30/2021-02-26

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC033/0.30/2021-02-26</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.2	mg/kg	1.32	8.186	mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				7.3	mg/kg	2.976	21.727	mg/kg	0.00217 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				35	mg/kg	2.774	97.095	mg/kg	0.00971 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.8	pH		6.8	pH	6.8 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0202 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC021/4.00/2021-03-11

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

### Sample details

Sample name:	LoW Code:	
<b>BH SBC021/4.00/2021-03-11</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

### 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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.6	mg/kg	1.32	10.034	mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	32.154	mg/kg	0.00322 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				27	mg/kg	2.976	80.359	mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				78	mg/kg	2.774	216.383	mg/kg	0.0216 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	sulfur { sulfur }				6000 mg/kg		6000 mg/kg	0.6 %		
	016-094-00-1	231-722-6	7704-34-9							
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.642 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC013/1.20/2021-03-08

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC013/1.20/2021-03-08</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.8	mg/kg	1.32	12.939	mg/kg	0.00129 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	32.651	mg/kg	0.00327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	30	mg/kg	1.56	46.794	mg/kg	0.003 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				38	mg/kg	2.976	113.098	mg/kg	0.0113 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				80	mg/kg	2.774	221.932	mg/kg	0.0222 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.2	pH		7.2	pH	7.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				100 mg/kg		100 mg/kg	0.01 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:								0.0559 %			

### Key

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

Classification of sample: BH SBC024/2.00/2021-03-10

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC024/2.00/2021-03-10</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.7	mg/kg	1.32	8.846	mg/kg	0.000885 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.9	mg/kg	2.976	17.56	mg/kg	0.00176 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				43	mg/kg	2.774	119.288	mg/kg	0.0119 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				300 mg/kg		300 mg/kg	0.03 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:									0.0544 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: BH SBC026/2.50/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC026/2.50/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				13	mg/kg	1.32	17.164	mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				62	mg/kg	1.126	69.805	mg/kg	0.00698 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	38	mg/kg	1.56	59.273	mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				66	mg/kg	2.774	183.094	mg/kg	0.0183 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.2	pH		8.2	pH	8.2 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									


#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-581-5	85-01-8							
24	anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		204-371-1	120-12-7							
25	fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		205-912-4	206-44-0							
26	pyrene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0436 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC031/2.50/2021-03-09

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC031/2.50/2021-03-09</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6	mg/kg	1.32	7.922	mg/kg	0.000792 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	34	mg/kg	1.56	53.034	mg/kg	0.0034 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.7	mg/kg	2.976	28.87	mg/kg	0.00289 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				58	mg/kg	2.774	160.9	mg/kg	0.0161 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8	pH		8	pH	8pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %			
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		205-912-4	206-44-0								
26	pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %			
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	sulfur { sulfur }				200 mg/kg		200 mg/kg	0.02 %			
	016-094-00-1	231-722-6	7704-34-9								
36	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:									0.0499 %		

### Key

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

Classification of sample: TP SBC013/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC013/0.20/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9.1	mg/kg	1.32	12.015	mg/kg	0.0012 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	50	mg/kg	1.56	77.991	mg/kg	0.005 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				18	mg/kg	2.976	53.573	mg/kg	0.00536 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				0.9	mg/kg	2.554	2.298	mg/kg	0.00023 %		
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				94	mg/kg	2.774	260.77	mg/kg	0.0261 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.4	pH		6.4	pH	6.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0458 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC013/4.00/2021-03-03**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC013/4.00/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.2 mg/kg	1.32	9.506 mg/kg	0.000951 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	24.77 mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	19 mg/kg	1.56	29.636 mg/kg	0.0019 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				23 mg/kg	2.976	68.454 mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				120 mg/kg	2.774	332.898 mg/kg	0.0333 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.1 pH		8.1 pH	8.1 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0494 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC015/0.20/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC015/0.20/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
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				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
3	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 %		
4	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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
8	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
9	nickel { nickel chromate } 028-035-00-7 238-766-5 14721-18-7				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
10	selenium { nickel selenate } 028-031-00-5 239-125-2 15060-62-5				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 236-878-9 13530-65-9				76	mg/kg	2.774	210.835	mg/kg	0.0211 %		
12	pH PH				6.8	pH		6.8	pH	6.8 pH		
13	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				0.2	mg/kg	1.884	0.377	mg/kg	0.0000377 %		
14	TPH (C6 to C40) petroleum group TPH				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
15	benzene 601-020-00-8 200-753-7 71-43-2				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16	toluene 601-021-00-3 203-625-9 108-88-3				<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
	CLP index number	EC Number	CAS Number								
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]								
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-917-1	208-96-8								
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-695-5	86-73-7								
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		201-581-5	85-01-8								
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-371-1	120-12-7								
25	fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %			
		205-912-4	206-44-0								
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		204-927-3	129-00-0								
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
31	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								
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
		205-883-8	191-24-2								
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD	
			P1186								
Total:								0.0354 %			

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: BH SBC029/1.00/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>BH SBC029/1.00/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
2	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
3	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 %		
4	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 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	33 mg/kg	1.56	51.474 mg/kg	0.0033 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	32 mg/kg	2.976	95.24 mg/kg	0.00952 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	71 mg/kg	2.774	196.964 mg/kg	0.0197 %		
12	pH			PH	7.9 pH		7.9 pH	7.9 pH		
13	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			<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0415 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC030/0.40/2021-03-04

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC030/0.40/2021-03-04</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.8	mg/kg	1.32	11.619	mg/kg	0.00116 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8	mg/kg	2.976	23.81	mg/kg	0.00238 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				40	mg/kg	2.774	110.966	mg/kg	0.0111 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0223 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC042/0.30/2021-03-03

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC042/0.30/2021-03-03</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	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 %		
2	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 %		
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	14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
6	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 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	33 mg/kg	1.56	51.474 mg/kg	0.0033 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	12 mg/kg	2.976	35.715 mg/kg	0.00357 %		
10	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	65 mg/kg	2.774	180.32 mg/kg	0.018 %		
12	pH			PH	7.4 pH		7.4 pH	7.4 pH		
13	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			0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
14	TPH (C6 to C40) petroleum group			TPH	<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene	601-020-00-8	200-753-7	71-43-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	toluene	601-021-00-3	203-625-9	108-88-3	<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
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0322 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC027/0.20/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC027/0.20/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.7	mg/kg	2.976	19.941	mg/kg	0.00199 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.028 %		

### 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
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC027/4.00/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC027/4.00/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>4.0 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				25 mg/kg	1.126	28.147 mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	17 mg/kg	1.56	26.517 mg/kg	0.0017 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				72 mg/kg	2.774	199.739 mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.4 pH		8.4 pH	8.4 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0379 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC005/2.50/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC005/2.50/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.6	mg/kg	1.32	7.394	mg/kg	0.000739 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	19.14	mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	38	mg/kg	1.56	59.273	mg/kg	0.0038 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.3	mg/kg	2.976	18.75	mg/kg	0.00188 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				46	mg/kg	2.774	127.611	mg/kg	0.0128 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.3	pH		8.3	pH	8.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0248 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC028/5.00/2021-02-25**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC028/5.00/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>5.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.6	mg/kg	1.32	6.073	mg/kg	0.000607 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.3	mg/kg	1.462	12.131	mg/kg	0.00121 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	14	mg/kg	1.56	21.837	mg/kg	0.0014 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				44	mg/kg	2.774	122.062	mg/kg	0.0122 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.3	pH		8.3	pH	8.3 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0239 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC029/0.30/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC029/0.30/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.6	mg/kg	1.32	10.034	mg/kg	0.001 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				18	mg/kg	1.126	20.266	mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	27	mg/kg	1.56	42.115	mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				45	mg/kg	2.774	124.837	mg/kg	0.0125 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0257 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC008/0.20/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC008/0.20/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.2	mg/kg	1.32	6.866	mg/kg	0.000687 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.08	mg/kg	1.353	0.108	mg/kg	0.0000108 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.5	pH		6.5	pH	6.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0281 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC010/1.00/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC010/1.00/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				9	mg/kg	1.32	11.883	mg/kg	0.00119 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	23	mg/kg	1.56	35.876	mg/kg	0.0023 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				28	mg/kg	2.976	83.335	mg/kg	0.00833 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				56	mg/kg	2.774	155.352	mg/kg	0.0155 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0354 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC006/2.20/2021-02-23**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC006/2.20/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.5	mg/kg	1.32	8.582	mg/kg	0.000858 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				68	mg/kg	2.774	188.642	mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0351 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC012/0.40/2021-02-25

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC012/0.40/2021-02-25</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	19.14	mg/kg	0.00191 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	32	mg/kg	1.56	49.914	mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.7	mg/kg	2.976	25.894	mg/kg	0.00259 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				60	mg/kg	2.774	166.449	mg/kg	0.0166 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.5	pH		7.5	pH	7.5 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0293 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC014/3.00/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC014/3.00/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>3.0 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				8.4	mg/kg	1.32	11.091	mg/kg	0.00111 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	21	mg/kg	1.56	32.756	mg/kg	0.0021 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				25	mg/kg	2.976	74.407	mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				67	mg/kg	2.774	185.868	mg/kg	0.0186 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-912-4	206-44-0							
26	pyrene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0362 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC012A/2.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC012A/2.20/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				27	mg/kg	1.126	30.399	mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	37	mg/kg	1.56	57.713	mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				33	mg/kg	2.976	98.217	mg/kg	0.00982 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				82	mg/kg	2.774	227.48	mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.4	pH		7.4	pH	7.4 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0462 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC026/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC026/0.20/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5	mg/kg	1.32	6.602	mg/kg	0.00066 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.1	mg/kg	1.462	13.3	mg/kg	0.00133 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.7	mg/kg	2.976	16.965	mg/kg	0.0017 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				33	mg/kg	2.774	91.547	mg/kg	0.00915 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.6	pH		6.6	pH	6.6 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0195 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC026/2.50/2021-02-24

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC026/2.50/2021-02-24</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>2.5 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				7.1	mg/kg	1.32	9.374	mg/kg	0.000937 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				<0.2	mg/kg	3.22	<0.644	mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13	mg/kg	1.462	19	mg/kg	0.0019 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	26	mg/kg	1.56	40.555	mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				75	mg/kg	2.774	208.061	mg/kg	0.0208 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				<15.86	mg/kg		<15.86	mg/kg	<0.00159 %		<LOD
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0381 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP SBC011/0.30/2021-02-23

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC011/0.30/2021-02-23</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				52	mg/kg	2.774	144.256	mg/kg	0.0144 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				6.9	pH		6.9	pH	6.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1	mg/kg	1.884	0.188	mg/kg	0.0000188 %		
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			TPH									
15	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
16	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0254 %		

### 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
- ND** Not detected
- 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** No free-phase hydrocarbon, therefore unlikely to be flammable at concentrations <1000mg/kg

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Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00002%)

Classification of sample: TP SBC011/3.00/2021-02-23

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC011/3.00/2021-02-23</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>3.0 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.3 mg/kg	1.32	8.318 mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	29.273 mg/kg	0.00293 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	19 mg/kg	1.56	29.636 mg/kg	0.0019 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				25 mg/kg	2.976	74.407 mg/kg	0.00744 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				83 mg/kg	2.774	230.254 mg/kg	0.023 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.2 pH		8.2 pH	8.2 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
36	polychlorobiphenyls; PCB				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.0406 %		

**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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: TP SBC024/0.20/2021-02-24

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

**Sample details**

Sample name:	LoW Code:
<b>TP SBC024/0.20/2021-02-24</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	37 mg/kg	1.56	57.713 mg/kg	0.0037 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				9.2 mg/kg	2.976	27.382 mg/kg	0.00274 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				68 mg/kg	2.774	188.642 mg/kg	0.0189 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.4 pH		7.4 pH	7.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.2 mg/kg	1.884	0.377 mg/kg	0.0000377 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0337 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: TP SBC006/0.4 23/02/2021**

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

**Sample details**

Sample name:	LoW Code:	
<b>TP SBC006/0.4 23/02/2021</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.4 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	28 mg/kg	1.56	43.675 mg/kg	0.0028 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				24 mg/kg	2.976	71.43 mg/kg	0.00714 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.6 mg/kg	2.554	1.532 mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				59 mg/kg	2.774	163.675 mg/kg	0.0164 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
16	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
18	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
19	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
24	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
25	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
26	pyrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-883-8	191-24-2							
35	monohydric phenols				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			P1186							
Total:								0.0345 %		

### Key

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



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**Appendix A: Classifier defined and non CLP determinands**

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

Description/Comments: Data from C&amp;L Inventory Database

Data source: [REDACTED]

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

**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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 &gt;= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 &gt;= 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)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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&amp;L Inventory Database

Data source: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

• **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP 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.

Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)

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

Reason for additional Hazards Statement(s):

29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## 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 (edit as required)

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

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

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

**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

**sulfur {sulfur}**

Associated with fertilisers, only likely source

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.222.4848.9214 (10 Aug 2021)

HazWasteOnline Database: 2021.222.4848.9214 (10 Aug 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018**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 2019** - UK: 2019 No. 720 of 27th March 2019**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

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## I.2 Scheme11 HazWaste Assessment

## Waste Classification Report

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

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

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

### Job name

A66 Package C Scheme 11 - Made Ground

### Description/Comments

Preliminary waste classification of soils

### Project

A66 Northern Trans-Pennine Dualling - Package D

### Site

Scheme 11

### Classified by

Name: **Rachel Boyle**  
 Date: **26 Oct 2021 14:49 GMT**  
 Telephone: XXXXXXXXXX

Company: **Ove Arup**  
**The Arup Campus Blythe Valley Park**  
**Solihull**  
**B90 8AE**

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 18 Jun 2019

Next 3 year Refresher due by Jun 2022

### Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	HDP A1SC001A	0.3	Non Hazardous		2
2	HDP A1SC001A[2]	1	Non Hazardous		4
3	HDP A1SC002	1	Non Hazardous		6
4	WS A1SC005	1	Non Hazardous		8
5	WS A1SC006	1.9	Non Hazardous		10
6	HDP A1SC003	1	Non Hazardous		12
7	HDP A1SC002[2]	0.2	Non Hazardous		14
8	HDP A1SC003[2]	0.2	Non Hazardous		16
9	WS A1SC005[2]	0.2	Non Hazardous		18
10	WS A1SC006[2]	0.2	Non Hazardous		21
11	WS A1SC006[3]	1	Non Hazardous		24

### Related documents

#	Name	Description
1	21-05762.hwol	.hwol file used to create the Job
2	21-05761.hwol	.hwol file used to create the Job
3	A66 Northern Trans-Pennine dualling	waste stream template used to create this Job

### Report

Created by: Rachel Boyle

Created date: 26 Oct 2021 14:49 GMT

### Appendices

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

**Classification of sample: HDP A1SC001A**

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

**Sample details**

Sample name:	LoW Code:	
<b>HDP A1SC001A</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.3 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.4 mg/kg	1.32	7.13 mg/kg	0.000713 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				41 mg/kg	1.126	46.161 mg/kg	0.00462 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	28 mg/kg	1.56	43.675 mg/kg	0.0028 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				8.1 mg/kg	2.976	24.108 mg/kg	0.00241 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				51 mg/kg	2.774	141.481 mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.7 pH		7.7 pH	7.7 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	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							
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0285 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: HDP A1SC001A[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>HDP A1SC001A[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	26 mg/kg	1.56	40.555 mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				14 mg/kg	2.976	41.668 mg/kg	0.00417 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				67 mg/kg	2.774	185.868 mg/kg	0.0186 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	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							
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0335 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: HDP A1SC002**

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

**Sample details**

Sample name:	LoW Code:	
<b>HDP A1SC002</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.1 mg/kg	1.32	6.734 mg/kg	0.000673 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	43.91 mg/kg	0.00439 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	31 mg/kg	1.56	48.354 mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				24 mg/kg	2.976	71.43 mg/kg	0.00714 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				1.1 mg/kg	2.554	2.809 mg/kg	0.000281 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				84 mg/kg	2.774	233.028 mg/kg	0.0233 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
26	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
31	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							
32	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
35	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.043 %		

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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: WS A1SC005**

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

**Sample details**

Sample name:	LoW Code:
<b>WS A1SC005</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.4 mg/kg	1.32	4.489 mg/kg	0.000449 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	26 mg/kg	1.56	40.555 mg/kg	0.0026 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				9.4 mg/kg	2.976	27.977 mg/kg	0.0028 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				55 mg/kg	2.774	152.578 mg/kg	0.0153 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.7 pH		7.7 pH	7.7 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		201-581-5	85-01-8							
25	anthracene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		204-371-1	120-12-7							
26	fluoranthene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
		205-912-4	206-44-0							
27	pyrene				1 mg/kg		1 mg/kg	0.0001 %		
		204-927-3	129-00-0							
28	benzo[a]anthracene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				0.8 mg/kg		0.8 mg/kg	0.00008 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
37	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
Total:								0.0291 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: WS A1SC006**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS A1SC006</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.9 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				73 mg/kg	1.126	82.19 mg/kg	0.00822 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	27 mg/kg	1.56	42.115 mg/kg	0.0027 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				21 mg/kg	2.976	62.502 mg/kg	0.00625 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				80 mg/kg	2.774	221.932 mg/kg	0.0222 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
24	phenanthrene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		201-581-5	85-01-8							
25	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
26	fluoranthene				0.7 mg/kg		0.7 mg/kg	0.00007 %		
		205-912-4	206-44-0							
27	pyrene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		204-927-3	129-00-0							
28	benzo[a]anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
37	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
Total:								0.0456 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: HDP A1SC003**

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

**Sample details**

Sample name:	LoW Code:	
<b>HDP A1SC003</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.8 mg/kg	1.32	6.338 mg/kg	0.000634 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				31 mg/kg	1.126	34.903 mg/kg	0.00349 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	50 mg/kg	1.56	77.991 mg/kg	0.005 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				22 mg/kg	2.976	65.478 mg/kg	0.00655 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				110 mg/kg	2.774	305.156 mg/kg	0.0305 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.4 pH		8.4 pH	8.4 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	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							
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.05 %		

### Key

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

**Classification of sample: HDP A1SC002[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>HDP A1SC002[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.3 mg/kg	1.32	5.677 mg/kg	0.000568 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616 mg/kg	0.00146 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				47 mg/kg	1.126	52.917 mg/kg	0.00529 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	30 mg/kg	1.56	46.794 mg/kg	0.003 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				17 mg/kg	2.976	50.597 mg/kg	0.00506 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				81 mg/kg	2.774	224.706 mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.8 pH		7.8 pH	7.8 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	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							
33	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0401 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: HDP A1SC003[2]**

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

**Sample details**

Sample name:	LoW Code:
<b>HDP A1SC003[2]</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.7 mg/kg	1.32	7.526 mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	43.91 mg/kg	0.00439 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	44 mg/kg	1.56	68.632 mg/kg	0.0044 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				11 mg/kg	2.976	32.739 mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				87 mg/kg	2.774	241.351 mg/kg	0.0241 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.2 pH		8.2 pH	8.2 pH		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.1 mg/kg	1.884	0.188 mg/kg	0.0000188 %		
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				<15.86 mg/kg		<15.86 mg/kg	<0.00159 %		<LOD
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
25	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
26	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
29	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
30	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							
31	indeno[123-cd]pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-893-2	193-39-5							
32	dibenz[a,h]anthracene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
33	benzo[ghi]perylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-883-8	191-24-2							
34	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.041 %		

### 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
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

**Classification of sample: WS A1SC005[2]**

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

**Sample details**

Sample name:	LoW Code:	
<b>WS A1SC005[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.8 mg/kg	1.32	5.017 mg/kg	0.000502 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1 mg/kg	3.22	3.22 mg/kg	0.000322 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.5 mg/kg	1.462	12.423 mg/kg	0.00124 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				57 mg/kg	1.126	64.176 mg/kg	0.00642 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	32 mg/kg	1.56	49.914 mg/kg	0.0032 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				12 mg/kg	2.976	35.715 mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				65 mg/kg	2.774	180.32 mg/kg	0.018 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				8.8 pH		8.8 pH	8.8 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				36.6 mg/kg		36.6 mg/kg	0.00366 %		
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		201-469-6	83-32-9							
23	fluorene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
		201-695-5	86-73-7							
24	phenanthrene				3.6 mg/kg		3.6 mg/kg	0.00036 %		
		201-581-5	85-01-8							
25	anthracene				1 mg/kg		1 mg/kg	0.0001 %		
		204-371-1	120-12-7							
26	fluoranthene				5 mg/kg		5 mg/kg	0.0005 %		
		205-912-4	206-44-0							
27	pyrene				3.9 mg/kg		3.9 mg/kg	0.00039 %		
		204-927-3	129-00-0							
28	benzo[a]anthracene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				1.7 mg/kg		1.7 mg/kg	0.00017 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.7 mg/kg		0.7 mg/kg	0.00007 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0398 %		

#### 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
- ND** Not detected
- 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 1000 Limit

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Hazard Statements hit:

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

Because of determinand:


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TPH (C6 to C40) petroleum group: (conc.: 0.00366%)





Classification of sample: WS A1SC006[2]

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

**Sample details**

Sample name:	LoW Code:	
<b>WS A1SC006[2]</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.2 m</b>		

**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
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.8	mg/kg	1.32	3.697	mg/kg	0.00037 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.9	mg/kg	1.462	8.623	mg/kg	0.000862 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<LOD
	024-017-00-8											
6	copper { dicopper oxide; copper (I) oxide }				71	mg/kg	1.126	79.938	mg/kg	0.00799 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	22	mg/kg	1.56	34.316	mg/kg	0.0022 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.6	mg/kg	2.976	25.596	mg/kg	0.00256 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { nickel selenate }				<0.5	mg/kg	2.554	<1.277	mg/kg	<0.000128 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
11	zinc { zinc chromate }				61	mg/kg	2.774	169.223	mg/kg	0.0169 %		
	024-007-00-3	236-878-9	13530-65-9									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1	mg/kg	1.884	<0.188	mg/kg	<0.0000188 %		<LOD
	006-007-00-5											
14	TPH (C6 to C40) petroleum group				86.9	mg/kg		86.9	mg/kg	0.00869 %		
			TPH									
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>							
16	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	M/C Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		205-917-1	208-96-8							
22	acenaphthene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		201-469-6	83-32-9							
23	fluorene				2.5 mg/kg		2.5 mg/kg	0.00025 %		
		201-695-5	86-73-7							
24	phenanthrene				14 mg/kg		14 mg/kg	0.0014 %		
		201-581-5	85-01-8							
25	anthracene				4.6 mg/kg		4.6 mg/kg	0.00046 %		
		204-371-1	120-12-7							
26	fluoranthene				19 mg/kg		19 mg/kg	0.0019 %		
		205-912-4	206-44-0							
27	pyrene				15 mg/kg		15 mg/kg	0.0015 %		
		204-927-3	129-00-0							
28	benzo[a]anthracene				7.9 mg/kg		7.9 mg/kg	0.00079 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				7.4 mg/kg		7.4 mg/kg	0.00074 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				5 mg/kg		5 mg/kg	0.0005 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				3.1 mg/kg		3.1 mg/kg	0.00031 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				6.6 mg/kg		6.6 mg/kg	0.00066 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				3.1 mg/kg		3.1 mg/kg	0.00031 %		
		205-883-8	191-24-2							
36	phenol				0.7 mg/kg		0.7 mg/kg	0.00007 %		
	604-001-00-2	203-632-7	108-95-2							
37	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
Total:								0.0499 %		

## Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- 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 1000 Limit

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.00869%)

**Classification of sample: WS A1SC006[3]**

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

**Sample details**

Sample name:	LoW Code:
<b>WS A1SC006[3]</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1 m</b>	

**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
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.6 mg/kg	1.32	6.073 mg/kg	0.000607 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9 mg/kg	1.462	13.154 mg/kg	0.00132 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1 mg/kg	2.27	<2.27 mg/kg	<0.000227 %		<LOD
	024-017-00-8									
6	copper { dicopper oxide; copper (I) oxide }				71 mg/kg	1.126	79.938 mg/kg	0.00799 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	42 mg/kg	1.56	65.512 mg/kg	0.0042 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { nickel selenate }				0.6 mg/kg	2.554	1.532 mg/kg	0.000153 %		
	028-031-00-5	239-125-2	15060-62-5							
11	zinc { zinc chromate }				71 mg/kg	2.774	196.964 mg/kg	0.0197 %		
	024-007-00-3	236-878-9	13530-65-9							
12	pH				7.9 pH		7.9 pH	7.9 pH		
			PH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.1 mg/kg	1.884	<0.188 mg/kg	<0.0000188 %		<LOD
	006-007-00-5									
14	TPH (C6 to C40) petroleum group				144.1 mg/kg		144.1 mg/kg	0.0144 %		
			TPH							
15	confirm TPH has NOT arisen from diesel or petrol				<input checked="" type="checkbox"/>					
16	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
20	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-917-1	208-96-8							
22	acenaphthene				3.5 mg/kg		3.5 mg/kg	0.00035 %		
		201-469-6	83-32-9							
23	fluorene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		201-695-5	86-73-7							
24	phenanthrene				27 mg/kg		27 mg/kg	0.0027 %		
		201-581-5	85-01-8							
25	anthracene				9.5 mg/kg		9.5 mg/kg	0.00095 %		
		204-371-1	120-12-7							
26	fluoranthene				39 mg/kg		39 mg/kg	0.0039 %		
		205-912-4	206-44-0							
27	pyrene				32 mg/kg		32 mg/kg	0.0032 %		
		204-927-3	129-00-0							
28	benzo[a]anthracene				17 mg/kg		17 mg/kg	0.0017 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				16 mg/kg		16 mg/kg	0.0016 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				10 mg/kg		10 mg/kg	0.001 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				6.4 mg/kg		6.4 mg/kg	0.00064 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				13 mg/kg		13 mg/kg	0.0013 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				8 mg/kg		8 mg/kg	0.0008 %		
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				6.5 mg/kg		6.5 mg/kg	0.00065 %		
		205-883-8	191-24-2							
36	phenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
37	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
Total:								0.0723 %		

### Key

<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	User supplied data
<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<span style="color: green;">●</span>	Determinand defined or amended by HazWasteOnline (see Appendix A)
<span style="color: blue;">●</span>	Speciated Determinand - 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

### 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 1000 Limit

Hazard Statements hit:

---

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

Because of determinand:

---

TPH (C6 to C40) petroleum group: (conc.: 0.0144%)



---

**Appendix A: Classifier defined and non CLP 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: [REDACTED]

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

- **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**

CLP index number: 006-007-00-5

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

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

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

Reason for additional Hazards Statement(s):

14 Dec 2015 - 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

- **confirm TPH has NOT arisen from diesel or petrol**

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - 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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

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: [REDACTED]

Data source date: 23 Jul 2015

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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 3 H311 , Acute Tox. 3 H331 , Skin Corr. 1B H314 , Skin Corr. 1B H314 >= 3 % , Skin Irrit. 2 H315 1 £ conc. < 3 % , Eye Irrit. 2 H319 1 £ conc. < 3 % , Muta. 2 H341 , STOT RE 2 H373 , Aquatic Chronic 2 H411

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

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

### 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 (edit as required)

### 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. (edit as required) 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 (edit as required)

### 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 (edit as required)

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

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



**copper {dicopper oxide; copper (I) oxide}**

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

**Appendix C: Version**

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)

HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018

**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 2019** - UK: 2019 No. 720 of 27th March 2019

**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

**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

## **J Ground Investigation Factual Reports**

# A66 NORTH TRANS PENNINE SCHEME C SECTION 9



Final Factual Report  
(Rev.00)

**Allied  
Exploration &  
Geotechnics Ltd.**

Contract Number: 4322A  
Client: AMEY OW Limited  
Consulting Engineer: Arup

Date: September 2021

Head Office (Registered Office)  
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# REPORT CONTROL SHEET

## Contract Details

<b>Contract Title</b>	<b>A66 North Trans Pennine Scheme C Section 9</b>
<b>Contract Number</b>	4322A
<b>Location</b>	<b>Between NZ 167 080 and NZ 122 108</b>
<b>National Grid Reference</b>	Stephen Bank to Carkin Moor (Layton)

## Report Details

<b>Report Status</b>	Final (Rev.00)		
<b>Report Type</b>	<b>Factual</b>		
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**A66 NORTH TRANS PENNINE SCHEME C SECTION 9**

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Abbreviation	Definition
CP	Cable Percussion
RC	Rotary Coring
RO	Rotary Openhole
WLS	Windowless Sampling

**Text Abbreviations**

## 1. INTRODUCTION

The investigation works were commissioned in order to determine the ground and groundwater conditions on site on the A66 at Layton, between Stephen Bank to Carkin Moor, prior to the proposed works.

Allied Exploration & Geotechnics Limited (AEG) were contracted by AMEY OW Limited with Arup acting in the capacity of Consulting Engineer to perform a ground investigation at this site in order to provide information on the subsurface ground and groundwater conditions as well as to obtain samples for geotechnical and specialist chemical testing.

### 1.1 Scope of Works

The investigation works consisted of the following main elements:

- Thirty four cable percussion boreholes, nine of which were further advanced using rotary coring techniques.
- Three windowless sample holes, advanced using a removable liner system.
- Forty five mechanically excavated trial pits.
- Associated sampling.
- *In-situ* standard penetration, hand shear vane, variable head permeability, water quality parameter photo-ionisation, soakaway and plate load testing.
- Installation of groundwater monitoring instrumentation.
- Post site works groundwater monitoring instrumentation.

Site work was carried out between the 3<sup>rd</sup> February and 12<sup>th</sup> March 2021 with subsequent post site work monitoring, laboratory testing and reporting thereafter. A factual report only was requested.

The comments and opinions expressed in this report are based on the ground conditions encountered during the site work and on the results of tests carried out in the field and in the laboratory. There may, however, be special conditions prevailing on the site which have not been disclosed by this investigation and which have not been taken into account by this report.

## 2. THE SITE

### 2.1 Location

The approximate National Grid Reference of the site is between NZ 167 080 and NZ 122 108. This can be found on Ordnance Survey 1:50,000 Sheet Number 92 (Barnard Castle, Richmond & Teeside). Part of this sheet is reproduced as Figure 1, the Site Location Plan.

The site is located at Ravensworth approximately 8km north of Richmond town centre.



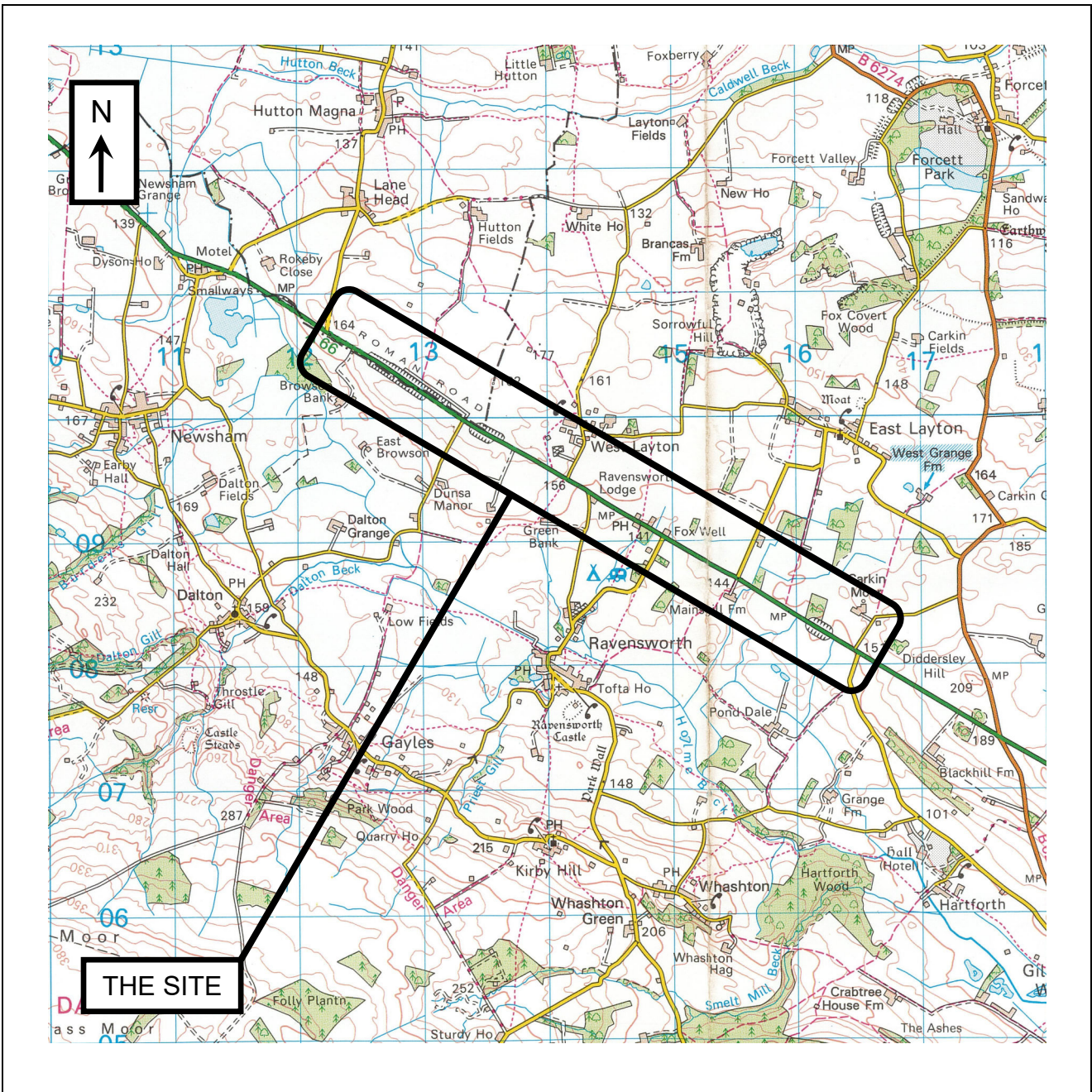


Figure 1: Site Location Plan

Reproduced from the Ordnance Survey 1:50,000 scale Landranger map by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office, Crown Copyright. All rights reserved. Licence number AL 10002282.

## 2.2 Site Description and Topography

The site is located at Layton between Stephen Bank to Carkin Moor and follows a roughly linear route along the A66. The site comprises a number of farm fields to the northeast and southwest of the A66 with some farms and associated farm buildings. A number of small waterways are noted to the southwest of the site.

## 3. SITE OPERATIONS

### 3.1 General

All exploratory hole work, associated sampling, *in-situ* testing and logging was carried out in accordance with techniques outlined in Table 1, as appropriate; at positions as near as practicable to those supplied by the Consulting Engineer. These are shown on the Exploratory Hole Location Plan, Field Data Enclosure 1.

Reference Code Number	Title
BS 1377:1990	Methods of Test for Soils for Civil Engineering Purposes (where not in contravention or superseded by Eurocode references)
BS 5930:2015	Code of Practice for Ground Investigation (where not in contravention or superseded by Eurocode references)
BS EN ISO 14689-1:2003	Identification and Classification of Rock
BS EN ISO 14688-1:2002 & 14688-2:2004	Identification and Classification of Soil
BS 10175:2011+A2:2017	Investigation of Potentially Contaminated Sites
BS EN ISO 22476-3: 2005	Geotechnical investigation and testing - Field testing - Part 3 Standard Penetration Testing

Table 1: British Standard Reference Code Number

The depths of all exploratory holes, descriptions of the material encountered, details of any groundwater encountered, samples taken and *in-situ* testing carried out together with any other relevant information can be found on the Borehole, Window/Windowless Sample Hole and Trial Pit Records, Field Data Enclosures 2, 3 and 4 respectively. A key to all symbols and abbreviations used throughout the report is included in the Key Sheets.

The primary purpose of ground investigation exploratory holes is to probe the stratified sequences of soil and/or rock. From the results of these probings no conclusion should be drawn concerning the presence of, size, lithological nature, and numbers per unit volume of ground cobbles and boulders in soil types such as glacial till (boulder clay). With respect to rotary coring, driller's records and observations of the recovered core are used to determine any zones of no recovery (core loss). These zones are based on the interpretation of the logging engineer and are therefore subjective. Refer to the Key Sheets for further information.

Some of the works were undertaken with coordinated traffic management installed by Premier Traffic Management Limited along the carriageway to facilitate the investigation operation.

### 3.2 Environmental Considerations: Ecology Watching Brief

All positions were observed and cleared by an ecologist from specialist subcontractor AES. None of the exploratory holes were moved from their original locations due to any ecological constraints.

**3.3 Environmental Considerations: Archaeology Watching Brief**

An archaeological watching brief was undertaken at the site during the works by specialist subcontractor Northern Archaeological Associates Ltd. An archaeologist was present during the excavation of all trial pits on the site. On completion of the works a report was provided of their findings. This report is presented as Appendix II.

**3.4 Health & Safety Considerations: Services**

Prior to excavation each position was cleared of services by specialist subcontractor Discovery Surveys Ltd. Before the commencement of any exploratory hole a search for underground services was conducted as prescribed in HSE publication ‘Avoiding Underground Services (HSG47)’ and in accordance with in-house internal safety procedure AEG-14.

Service plans were provided by the Client and were consulted prior to using a service locating device (such as a Cable Avoidance Tool or C.A.T.) to scan a working area around the proposed exploratory hole location. Where no services were indicated a ‘Permit-to-Work’ form was issued by the investigation supervisor and, with the exception of trial pits, the position was commenced with a hand excavated inspection pit. The inspection pit was also scanned during the excavation procedure. It should be noted that the digging of an inspection pit only confirms or guards against the possible presence of underground public utility services within the excavated pit. Where no services were indicated by the scanning procedure or inspection pit the exploratory hole was commenced in accordance with the Contract Specification.

Where services were located or there was reasonable belief that they were present, the position was relocated in agreement with the Client. Details of any services uncovered/located during this investigation are given in Table 2.

Exploratory Hole Number	Type of Service	Orientation & Depth (size where indicated)	Status (Damaged/Undamaged)	Additional Remarks
No services were encountered within the inspection pits dug for the purposes of the exploratory hole works. Services were known to exist within the vicinity of exploratory holes, The location and nature of these services are beyond the scope of this report.				

**Table 2: Services Encountered**

**3.5 Exploratory Holes: Boreholes**

Thirty four boreholes were sunk using either a Dando 2000 or a Dando 3000 drilling rig, utilising cable percussive (shell and clay cutter) techniques, to depths of between 0.30m (BH SBC014) and 18.10m BGL (BH SBC015). Nine of these boreholes were further advanced using either a Comacchio GEO 205 or a Boart Longyear DB520 drilling rig, utilising rotary openhole/coring methods, to depths of between 8.00m (BH SBC005 & BH SBC006) and 25.60m BGL (BH SBC014A).

Rotary openhole drilling was performed using various diameter tri-cone rock bits in combination with air/mist flush. Rotary coring employed a ‘P’ (121mm OD) barrel in combination with either an Easycut or a P.C.D. drill bit together with air/mist flushing medium. This coring assembly was used to recover 92mm lined cylindrical specimens of rock core.





The Borehole Records are presented along with a Summary Table as Field Data Enclosure 2.

**3.6 Exploratory Holes: Window/Windowless Sample Holes**

Three windowless sample holes were sunk using a Premier Compact 110 Series tracked rig utilising a removable liner system, to depths of either 0.70m (WS SBC004 & BH SBC004A) or 0.80m BGL (WS SBC004B). The Window/Windowless Sample Hole Records are presented as Field Data Enclosure 3 and a summary of any relevant remarks are detailed in Table 3.

Exploratory Hole Number	Drilling Method	Completion Depth (m BGL)	Installation	Remarks
WS SBC004	WLS	0.70	No – reinstated	Terminated due to an obstruction.
WS SBC004A	WLS	0.70	No – reinstated	Terminated due to an obstruction.
WS SBC004B	WLS	0.80	No – reinstated	Terminated due to an obstruction.

Any relevant photographs are presented after the applicable Window/Windowless Sample Hole Record

**Table3: Window/Windowless Sample Hole Summary**

**3.7 Exploratory Holes: Mechanically Excavated Trial Pits**

Forty five trial pits were mechanically excavated using a 14 Tonne 360 Tracked Excavator to depths of between 0.70m (TP SBC012 & TP SBC041) and 6.00m BGL (TP SBC015 & TP SBC044). The Trial Pit Records are presented along with a Summary Table as Field Data Enclosure 4.

**3.8 Samples**

Representative samples of soil and rock were obtained from the exploratory holes and were taken to the laboratory for selected geotechnical and specialist chemical testing.

Environmental samples were taken in accordance with the contract specification during the investigation using an approved selection of container types in order to suit the encountered material properties and designated laboratory analytical parameters. Full chain of custody procedures were in place post sampling and during the transportation stage to the nominated specialist chemical laboratory. Environmental samples were administered appropriately following the best practice guidance provided in the contract specification.

**3.9 Groundwater**

The comments on groundwater conditions are based on the observations made at the time of investigation. It should be noted that groundwater levels may vary due to seasonal and other effects. Furthermore, water was added during advancement of a number of the boreholes in order to facilitate drilling operations. As a consequence there is a possibility that this could have masked the discrete ingress of natural groundwater into the boreholes, which subsequently may have been sealed as a result of progressing the casing.

Groundwater was encountered in a number of the boreholes and trial pits during the site works operation. Where groundwater observations were made details are given on the relevant Borehole and Trial Pit Record and in greater detail (collectively in tabulated format) as Field Data Enclosure 5: Groundwater Observations

Made at the Time of Site Works. Standing water levels were recorded in the majority of boreholes at the beginning and/or end of each drilling shift. The water level is indicated on the applicable Borehole Record as part of the boring progress information.

Artesian water conditions encountered in BH SBC010A overnight between 23<sup>rd</sup> and 24<sup>th</sup> February 2021. Water level at end of day on 23<sup>rd</sup> February recorded as 0.30m BGL and rises to 0.40m AGL at the start of day on 24<sup>th</sup> February.

### 3.10 Instrumentation & Monitoring

Twenty five boreholes were installed with monitoring instrumentation in accordance with the requirements of the Consulting Engineer. Details of the installations are shown in the Summary Table in Field Data Enclosure 2 and on the relevant Borehole Records.

Instruments were monitored for groundwater on five occasions at weekly intervals after the completion of the site works in accordance with the Contract Specification. A record of the readings is presented as Field Data Enclosure 6 (Groundwater Monitoring Results).

Groundwater samples were obtained from selected installations during the first round of post site works monitoring. Water Quality Parameters were recorded for the purged water prior to sampling (see Section 4.5). Surface water samples were also taken during the first monitoring round at locations provided by the Consulting Engineer.

### 3.11 Operative Observations: Potential Contamination

For the purposes of determining the condition of the site, with regard to human health and environmental issues, reference should specifically be made to any specialist chemical testing undertaken as part of the investigation scheme, as well as any supporting desk study and risk assessment documentation. The information given herein collates the observations made by the operatives involved in the investigation only and comments that have been indicated on the engineering records.

Where there was potential evidence of contamination, principally as a consequence of olfactory and visual identification, information is provided in Table 4.

Exploratory Hole Number	Occurrence (in-situ/surface/laboratory sample)	Visual / Olfactory / Laboratory Testing	Depth (m BGL)	Occurrence Type	Additional Remarks
No occurrences recorded during the investigation.					

Table 4: Potential Contamination Encountered

It should be stressed that the information provided herein is subjective, as it is based on the perceptions of individuals and not specialists routinely involved in the chemical determination of contaminated residues, liquors, vapours or solid contaminants.



### 3.12 Surveying

The investigation positions were surveyed after completion of site works using a Leica Smartrover (Model ATX 1230+ GNSS) GPS based instrument which provides corrected Ordnance Survey co-ordinates in real time to an accuracy of within  $\pm 30\text{mm}$  vertical and  $\pm 30\text{mm}$  horizontal. These positions have been subsequently plotted in AutoCAD® software and are shown on the Exploratory Hole Location Plan, Field Data Enclosure 1.

## 4. IN-SITU TESTING

### 4.1 General

*In-situ* testing as specified by the Consulting Engineer was carried out in selected boreholes, windowless sample holes and trial pits in accordance with techniques outlined in the relevant British Standard and/or AEG Quality Procedure. The results are presented in the *In-situ* Testing Enclosures with a number of the test results summarised at the relevant depth on the Borehole, Window/Windowless Sample Hole and Trial Pit Records.

### 4.2 Standard Penetration Test Results

Standard Penetration Testing (SPT) was carried out in the boreholes in accordance with techniques outlined in BS EN ISO 22476-3: 2005 in order to determine the relative density and consistency of the strata encountered. The 'N' value (number of blows per 300mm penetration) or the penetration per blow was recorded for each test. Uncorrected 'N' values or penetration per blow data are provided on the applicable Borehole Records. (Refer to page 6 of the key sheets for further details).

More detailed information concerning the standard penetration testing is given in *In-situ* Testing Enclosure 1 which includes the following;

- Initial exploratory hole conditions prior to the test procedure.
- Calibration and energy ratio ( $E_m$ ) information for the SPT hammer device used to carry out the test.
- A breakdown of blows for each 75mm penetration interval.
- Rod length ( $C_R$ ) and energy ( $C_E$ ) correction ratios.
- Uncorrected 'N' value.
- Corrected 'N<sub>60</sub>' value that applies the rod ( $C_R$ ) and energy ( $C_E$ ) corrections indicated.
- Pertinent remarks corresponding to the test procedure.

In addition to the above, a graph has been prepared for each exploratory hole which plots the uncorrected and corrected 'N' value results against depth. Calibration certificates for the SPT apparatus used during the testing procedure are also presented for reference within this *In-situ* Testing Enclosure.

### 4.3 Hand Shear Vane

Hand shear vane testing using calibrated Edeco Pilcon Hand Vane equipment was carried out in the boreholes and trial pits in accordance to the ground conditions encountered. The results are presented in

detail within *In-situ* Testing Enclosure 2 with the average peak and residual shear strength values provided on the applicable Trial Pit Record.

#### 4.4 Variable Head Permeability Testing

Variable head (rising/falling) permeability tests were carried out in fourteen selected standpipe installations in accordance with the requirements of the Consulting Engineer utilising the methods described in BS5930: Section 4:1999. The data is presented in *In-Situ* Testing Enclosure 3.

#### 4.5 *In-situ* Water Quality Parameter Testing

Groundwater sampling was undertaken from selected installations during the first round of post site works monitoring in accordance with techniques outlined in the relevant British Standard and/or AEG Quality Procedure. Water Quality Parameters were recorded for the purged water prior to sampling. The parameters tested were pH, temperature, electrical conductivity, redox potential and dissolved oxygen. The results are presented in tabular format as *In-situ* Testing Enclosure 4.

#### 4.6 Photo Ionisation Detector (PID)

Photo-ionisation detector (PID) screening for semi-volatile and volatile organic compounds was conducted on selected environmental samples taken during the investigation using a MiniRAE 2000. The results for the PID tests are recorded in tabular format as *In-situ* Testing Enclosure 5 and, where applicable, on the Borehole Records.

#### 4.7 Soil Infiltration Determination (Soakaway Design)

Nine Soakaway tests were carried out in selected trial pits utilising the methods described in BRE Digest 365:1991, in accordance to the requirements of the Consulting Engineer. The results are presented in *In-Situ* Testing Enclosure 6 with reference to the individual test carried out in the general remarks section of the relevant Trial Pit Record.

#### 4.8 Plate Load Testing

Plate load and zone pad load testing was carried out at nominated locations within the investigated area. Results from this work are presented in *In-situ* Testing Enclosure 7.

### 5. LABORATORY TESTING

#### 5.1 General

Laboratory testing as scheduled by the Consulting Engineer was carried out on selected samples in accordance with techniques outlined in BS 1377:1990, AEG Laboratory Quality Procedures or other appropriate standard as quoted.

#### 5.2 Geotechnical Testing

The results are presented in the Laboratory Enclosures with an outline list of the procedures undertaken given in Table 5.

Test	Procedure
Moisture Content	BS 1377 Part 2 1990 (BS EN ISO 17892-1:2014)
Plasticity Index and Moisture Content	BS 1377 Part 2 1990 (BS EN ISO 17892-1:2014)
Determination of Density by Linear Measurement	BS 1377 Part 2 1990 (BS EN ISO 17892-2:2014)
Determination of Particle Density	BS 1377 Part 2 1990
Particle Size Distribution Sieving	BS 1377 Part 2 1990
Particle Size Distribution Sedimentation	BS 1377 Part 2 1990
Determination of Chloride, Total Sulphur, Sulphate and pH (Tested externally)	See External Laboratory Certificates
Determination of Dry Density/Moisture Content Relationship	BS 1377 Part 4 1990
Determination of Moisture Condition Value	BS 1377 Part 4 1990
Determination of MCV / Moisture Relationship	BS 1377 Part 4 1990
Determination of California Bearing Ratio	BS 1377 Part 4 1990
Determination of One Dimensional Consolidation Properties	BS 1377 Part 5 1990
Shear Strength by Hand Vane	BS 1377 Part 7 1990
Shear Strength by Direct Shear	BS 1377 Part 7 1990
Undrained Shear Strength in Triaxial Cell without Pore Water Pressure Measurement	BS 1377 Part 7 1990
Consolidated Undrained Shear Strength in Triaxial Cell with Measurement of Pore Pressure	BS 1377 Part 8 1990
Moisture Content of Rock (Some tested externally)	ISRM 1981
Determination of Point Load Index	ISRM 1985
Determination of Unconfined Compressive Strength (Tested externally)	See External Laboratory Certificates

**Table 5: Geotechnical Testing**

### 5.3 Specialist Chemical Testing

Selected samples have been submitted for chemical analysis as specified by the Consulting Engineer, conducted under a subcontract arrangement with Derwentside Environmental Testing Services (DETS). The results of this testing are presented as Appendix I.

### 5.4 Laboratory Identified Asbestos

Selected samples were analysed for asbestos content as specified by the Consulting Engineer. Any identified asbestos is presented in Table 6 which has been summarised from specialist chemical testing results (see Appendix I for further details).

Exploratory Hole Number	Occurrence	Depth (m BGL)	Occurrence Type	Additional Remarks
No asbestos was detected within the samples selected for testing by the Consulting Engineer				

**Table 6: Laboratory Identified Asbestos**



## Key Sheets





# Allied Exploration and Geotechnics Limited

## Key Sheets



### INTRODUCTION

The following explanatory notes define the terminologies, abbreviations and symbols pertaining to each individual column or section of the Exploratory Hole records. 'Exploratory Hole' is used as a general term in this report to comprise borehole, drillhole, and trial pit. All exploratory hole records have been produced using 'gINT®', which is an integrated software environment for the storage and manipulation of subsurface data.

The primary purpose of ground investigation exploratory holes is to probe the stratified sequences of soil and/or rock. From the results of these probings no conclusion should be drawn concerning the presence of, size, lithological nature, and numbers per unit volume of ground cobbles and boulders in soil types such as glacial till (boulder clay). With respect to rotary coring, driller's records and observations of the recovered core are used to determine any zones of no recovery (core loss). These zones are based on the interpretation of the logging engineer and are therefore potentially subjective. In addition, where relevant, every effort is made to highlight material/zones that may relate to suspected old workings. However, it should be noted that this is not straightforward (especially without detailed information regarding anticipated subsurface conditions) and therefore no guarantee can be made with regards to the accuracy of the interpretation of the recovered core.

### INFORMATION COMMON TO ALL EXPLORATORY HOLE RECORDS

#### Status Box

The status box in the top right hand corner of each exploratory hole record gives the status of each individual record i.e. PRELIM1, PRELIM2, PRELIM3 FINAL etc. The date shown relates to the last instance the data was revised. This information is for AEG Quality Assurance only.

#### Exploratory Hole No

The identity number used throughout the report.

#### Project

The ground investigation project name. Occasionally the project name may be shortened or abbreviated due to string length restraints imposed by the gINT® computer programme.

#### Client

Client's name responsible for funding the ground investigation project. The Client's name may be shortened or abbreviated due to string length restraints imposed by the gINT® computer programme.

#### Location

The exploratory hole position given as either national grid co-ordinates, local grid if specified, or a reference name normally pertaining to the area of investigation.

#### Method (Equipment)

Represents the drilling, excavation or boring method(s) or equipment used.

#### Ground Level (m(AOD))

The precise ground level in metres above Ordnance Datum at the exploratory hole location from which the reduced level for each stratigraphic boundary is calculated.

#### Date

The date relating to the start of the exploratory hole excavation.

#### Sheet

The sheet number and total number of sheets for the particular record.

#### Checked By

Printed signature of the person who has carried out the technical quality check on the log.

#### Logged By

The name of the engineer who has carried out the logging of the exploratory hole.

#### Contract No.

The Allied Exploration & Geotechnics Limited reference number for the project.



# Allied Exploration and Geotechnics Limited

## Key Sheets






### INFORMATION RELEVANT TO BOREHOLE AND WINDOW/WINDOWLESS SAMPLE HOLE RECORDS

#### Sample & Tests Columns

- Depth The depth over which a sample or test is taken is shown in depth column of the exploratory hole record in a "from...to" format.
- Type No Indicates the type of sample/test and number given by the driller.
- Test Result Result of the test given in the applicable units.

#### Water Column

- Water Strike Level of groundwater strike within an exploratory hole. The symbol  denotes a water strike and is suffixed with a number, which indicates the strike order. The corresponding unfilled symbol  is the depth the strike rose to.
- Seepage Groundwater seepage within an exploratory hole is denoted by the  symbol.

#### Strata Columns

- Reduced Level The corresponding reduced level of each soil or rock boundary in metres Ordnance Datum.
- Legend A graphical representation of the materials encountered using BS 5930 recommended symbols for soil and rock.
- Depth (Thickness) The depth below ground level of each soil or rock boundary in metres and the thickness of each individual stratigraphic unit (given in brackets).
- Description Engineering description of each individual soil or rock type follows recommendations outlined in the current BS 5930 with the following implementation:
- The amendment of section 6 incorporates the guidance indicated in BS EN ISO 14688-1, BS EN ISO 14688-2 and BS EN ISO 14689-1 European Standard with particular emphasis on current UK practice.
  - Supplementary laboratory or in-situ assessed measurements of undrained strength are provided where applicable information is available in parenthesis in accordance with BS 5930 after the field strength determined consistency. The description based measurement table indicating the quantitative undrained strength classification divisions is provided in Key Sheets Table 1.

Term based on measurement	Undrained strength classification definition cu, in kPa (from BS EN ISO 14688-2, 5.3, Table 6)
Extremely low	<10
Very low	10-20
Low	20-40
Medium	40-75
High	75-150
Very High	150-300
Extremely High	300-600

KEY SHEETS TABLE 1

- Cobble and boulder content is expressed in accordance with the terms provided in BS5930 where visually identified in trial pit excavations, or inferred/recovered during the drilling operations. The assessment of frequency and spatial occurrence of coarse and very coarse rock material should not be considered as precise, but only an indicator or estimate of the potential conditions. It should be noted that the recovery of coarse or very coarse particles in boreholes is dependent on the limitations imposed by the casing diameter. The terminology used is outlined in Key Sheets Table 2.



# Allied Exploration and Geotechnics Limited

## Key Sheets



Fraction	Percent by Mass	Term
Boulders	<5	Low boulder content
	5 to 20	Medium boulder content
	>20	High boulder content
Cobbles	<10	Low cobble content
	10 to 20	Medium cobble content
	>20	High cobble content

KEY SHEETS TABLE 2

- 4 Rock Strength based on assessed field or measured unconfined compressive strength follows the classification scheme given in BS5930 as outlined in Key Sheets Table 3.

Term for use in field or based on measurement	Definition for field use	Definition on basis of Unconfined Compressive Strength measurement (MPa)	Superseded Classification of Rock Strength: Terminology (Strength Range MPa)	Definition for field use
Extremely weak	Scratched by thumbnail, gravel size lumps can be crushed between finger and thumb.	0.6-1.0	Extremely weak (0.6-1.0)	Can be indented by thumbnail. Gravel sized lumps crush between finger and thumb.
Very weak	Scratched by thumbnail, lumps can be broken by heavy hand pressure, can be peeled easily by a pocket knife, crumbles under firm blows with point of geological hammer.	1-5	Very weak (1-5)	Crumbles under firm blows with point of geological hammer. Can be peeled by a pocket knife.
Weak	Thin slabs, corners or edges can be broken off with hand pressure, can be peeled by a pocket knife, shallow indentations made by firm blow with point of geological hammer.	5-12.5	Weak (5-25)	Can be peeled by a pocket knife with difficulty. Shallow indentations made by firm blow with the point of geological hammer.
Moderately Weak	Thin slabs, corners or edges can be broken off with hand pressure, can be scratched with difficulty by pocket knife, hand-held specimen can be broken with single firm blow of geological hammer.	12.5-25		
Medium Strong	Cannot be scraped or peeled with a pocket knife, specimen on a solid surface can be fractured with single firm blow of geological hammer.	25-50	Medium Strong (25-50)	Cannot be scraped with pocket knife. Can be fractured with a single firm blow of geological hammer.
Strong	Specimen requires more than one blow of geological hammer to fracture it.	50-100	Strong (50-100)	Requires more than one blow of geological hammer to fracture.
Very Strong	Specimen requires many blows of geological hammer to fracture it.	100-250	Very Strong (100-250)	Requires many blows of geological hammer to fracture.
Extremely strong	Specimen can only be chipped with geological hammer.	>250	Extremely strong (<250)	Can only be chipped with geological hammer.
Based on BS EN ISO 14689-1 4.2.7, Table 2			Based on BS EN ISO 14689-1:2003 4.2.7, Table 5 (Superseded Version)	

KEY SHEETS TABLE 3

- 5 Where 'rock weathering classification' can be applied it is 'Approach 4' which will be used. If any other approach is used the factual text of the report will provide details of the applicable specific approach. (Ref.: BS5930). An outline of the 'Approach 4' rock weathering classification scheme is provided as Key Sheets Table 4.

APPROACH 4 CLASSIFICATION INCORPORATING MATERIAL AND MASS FEATURES		
Class	Classifier	Typical characteristics
A	Unweathered	Original strength, colour, fracture spacing
B	Partially weathered	Slightly reduced strength, slightly closer fracture spacing, weathering penetrating in from fractures, brown oxidation
C	Distinctly weathered	Further weathered, much closer fracture spacing grey reduction
D	Destructured	Greatly weakened, mottled, ordered lithorelics in matrix becoming weakened and disordered, bedding disturbed.
E	Residual or reworked	Matrix with occasional altered random or 'apparent' lithorelics, bedding destroyed. Classed as reworked when foreign inclusions are present as a result of transportation.

KEY SHEETS TABLE 4



# Allied Exploration and Geotechnics Limited

## Key Sheets



### Instrument/Backfill Column

A graphical representation of backfill material or instrumentation detail using graphic legends. Its placement in the column is relative to depth in metres and corresponds to the exploratory hole in scale.

### Boring Progress and Water Observations Columns

This section provides information on each day's production as a daily log.

Date	Date of shift.
Depth	Depth of hole at the start of the shift.
Casing	Casing's depth at the start of the shift.
Casing Dia	Casing's diameter at the start of the shift.
Water Depth	Water level within the borehole at the start and end of shift.

### Chiselling Columns

Indicates where hard strata occurred in the borehole and breaking out was carried out to advance the borehole.

From	The depth commenced.
To	The depth finished.
Hours	The time spent for breaking out.

### Water Added Columns

Indicates the depth range where water was added to the borehole to facilitate boring or to prevent stress relief disturbance "blowing/boiling" in granular soils.

From	Depth in metres from where water was added.
To	Depth in metres to where water was added.

### General Remarks

Any remarks believed to be relevant to the exploratory hole.

### INFORMATION RELEVANT TO PIT/TRENCH RECORDS

The pit/trench records follow the same format as the borehole and window/windowless sample hole records for the Samples & Tests, Water and Strata columns. However, in addition to these there are the following:

#### Plan

A schematic plan view of the pit showing its excavated dimensions together with its orientation, given as a compass bearing to magnetic north.

#### Groundwater

Notes on water bearing horizons.

#### Stability

The engineer's comments outlining the stability of the sides during pit excavation.

#### General Remarks

The engineer's comments of any other information relevant to construction of the pit.

#### Additional Information

An indication if a sketch and/or photographs accompany the record.



# Allied Exploration and Geotechnics Limited

## Key Sheets



### Underground Services

Depth	Depth service was encountered.
Orientation	Orientation given as a compass bearing to magnetic north.
Type	Type of service encountered.
Diameter	Diameter of service encountered.
Condition	Condition the service encountered was noticed in.

### INFORMATION RELEVANT TO DRILLHOLE RECORDS AND ROTARY CONTINUATION

#### Run Details Columns

Depth	Each drill run is highlighted by a horizontal line with the top and bottom depths shown in metres. Core diameter (C Dia) is presented also within each run.
TCR (SCR) RQD	Information provided on the total core recovery, solid core recovery and rock quality designation. Refer to Abbreviations for further details.
Fracture Index	Information given relating to the fracture index of the rock.

#### Strata Columns

As the strata columns for borehole and window/windowless sample hole records except for description which is as follows:

Discontinuities Detail	Information on core discontinuities, localised variations in weathering, lithology, strength and structure follows recommendations outlined in BS5930.
Main	Engineering description of each individual soil or rock type follows recommendations outlined in BS5930.

#### Instrument/Backfill Column

A graphical representation of backfill material or instrumentation detail using graphic legends. Its placement in the column is relative to depth in metres and corresponds to the exploratory hole in scale.

#### Drilling Progress and Water Observations Columns

Date	Date of shift.
Depth	Depth of hole at the start of the shift.
Casing	Casing's depth at the start of the shift.
Water Strike	Depth at which water was encountered.
Water Standing	Depth at which water in the hole levelled off.
Water Remarks	Any remarks believed to be relevant to the water e.g. Artesian.

#### Standard Penetration Test

Depth	The depth commenced.
Type	Type of standard penetration test (SPT).
Result	Result of SPT.

#### Flush

From	The depth commenced.
To	The depth finished.
Type	Details of the type of flush used. A = Air, F = Foam, W = Water and Pol = Polymer.
Returns	An indication of the percentage of the returned flush material.

#### General Remarks

Any remarks believed to be relevant to the exploratory hole.



# Allied Exploration and Geotechnics Limited

## Key Sheets



### SAMPLES

B	Bulk disturbed sample.
ES	Environmental soil sample.
EW	Environmental water sample.
G	Gas sample.
J	Small disturbed sample.
LB	Large bulk disturbed sample.
P	Piston sample.
P*	An attempted but failed undisturbed piston sample.
U	Undisturbed sample.
U*	An attempted but failed general purpose undisturbed sample.
U <sub>(ss)</sub>	Sample has been subsampled.
ES <sub>(U)</sub>	Brackets following a sample denotes a subsample. The sample information within the brackets is the origin of the subsample.
W	Water sample.

### IN-SITU TESTS

CBR	California Bearing Ratio mould sample or test.
HSV	In-situ hand shear vane.
HSV*	An attempted but failed in-situ hand shear vane.
HSV result of e.g 80(20)kPa	Denotes average HSV peak result followed by average HSV residual result (in brackets).
HP	Hand penetrometer test.
K (F)	Falling head permeability test.
K (R)	Rising head permeability test.
K (C)	Constant head permeability test.
K (P)	Packer permeability test.
PT	Pressuremeter test.
PID	Photo ionisation detector test.
FID	Flame ionisation detector test.
S	Standard Penetration Test (SPT) using the split barrel sampler (shoe). The corresponding uncorrected 'N' value is given in the test result column with more detailed information provided in the In-Situ Testing Enclosures where applicable. Testing has been conducted in accordance with BS EN ISO 22476-3.
C	Denotes SPT test using a solid cone in preference to the split barrel sampler (usually in coarse granular soil) with all other reporting requirements as outlined above for the split barrel sampler.
S/C result of e.g. 1/2.94	Denotes where full penetration has not been achieved during the SPT test. In such cases the penetration (mm) per blow is recorded in the test result column e.g. 1/2.94 is 2.94mm of penetration per single blow.
SV	In-situ down-the-hole shear vane test. The remoulded shear strength is given in brackets.

### ROCK QUALITY AND CORE RECOVERY

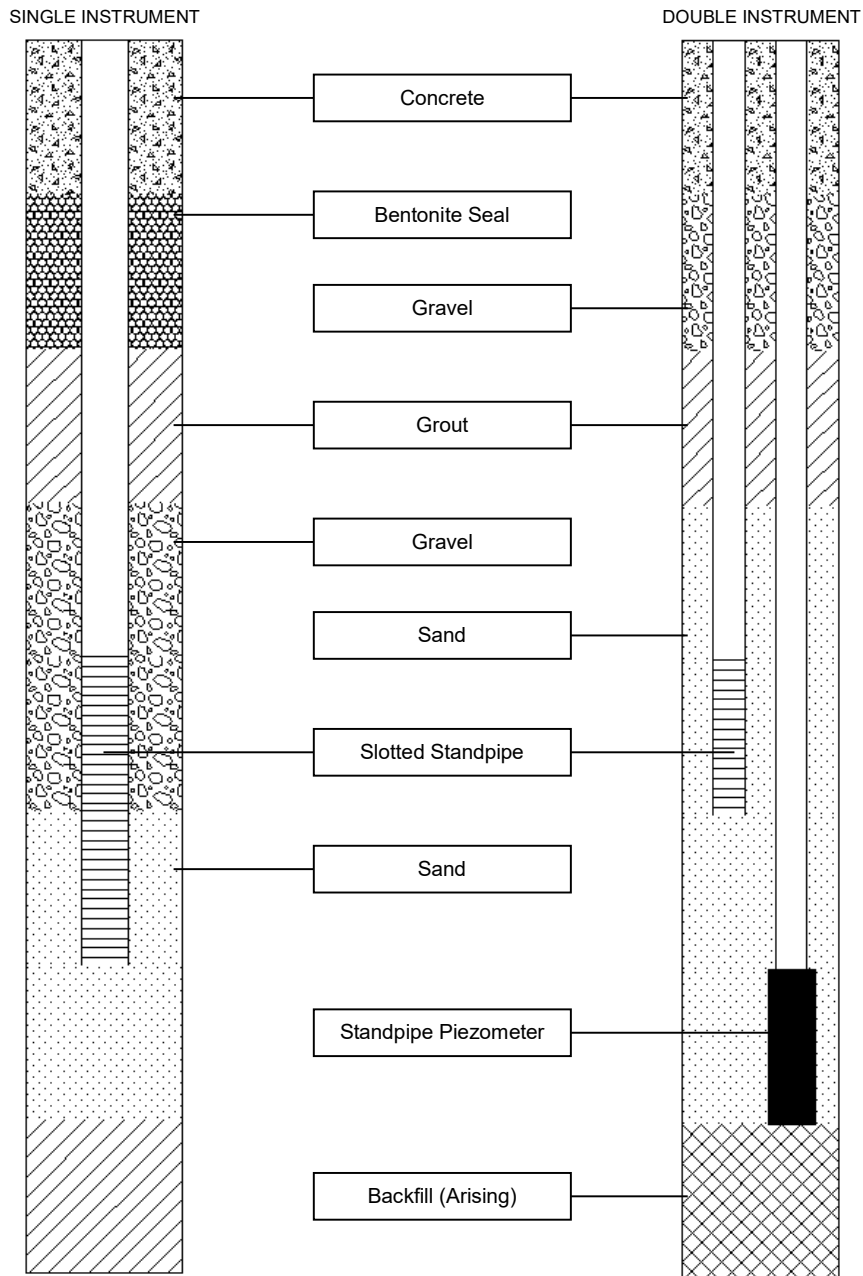
TCR	Total Core Recovery - the length of the recovered core expressed as a percentage of the length of core run.
SCR	Solid Core Recovery - the sum length of all core pieces that are recovered with at least one full diameter, expressed as a percentage of the length of core run.
RQD	Rock Quality Designation - The sum length of all core pieces that are 100mm or longer (measured along the centre of the core), expressed as a percentage of the length of core run.
FI	Fracture Index - The number of fractures per 1000mm length of solid core.
NI	Non-intact - The material recovered in a non-intact state.
NR	No recovery from the core run. These zones are based on the interpretation of the logging engineer and are therefore potentially subjective.



# Allied Exploration and Geotechnics Limited Key Sheets



Symbols and Abbreviations: Explanation of Instrumentation Legends Used







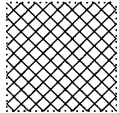
# Allied Exploration and Geotechnics Limited

## Key Sheets



Symbols and Abbreviations: Explanation of Legends Used

Soils	Rocks		
	<i>Sedimentary</i>	<i>Metamorphic</i>	<i>Igneous</i>



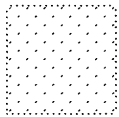
Made Ground



Cobbles and Boulders



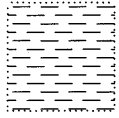
Gravel



Sand



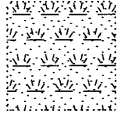
Silt



Clay



Peat

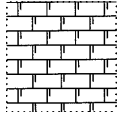


Topsoil

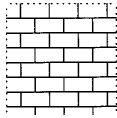
Note: Composite soil types will be signified by combined symbols e.g.



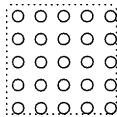
Silty Sand



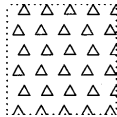
Chalk



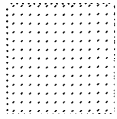
Limestone



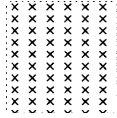
Conglomerate



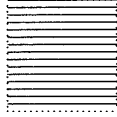
Breccia



Sandstone



Siltstone



Mudstone



Shale



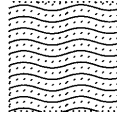
Coal



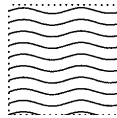
Pyroclastic  
(Volcanic Ash)



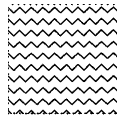
Gypsum



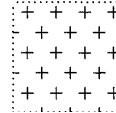
Coarse  
Grained



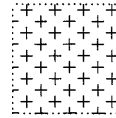
Medium  
Grained



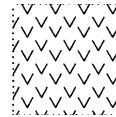
Fine Grained



Coarse  
Grained



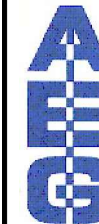
Medium  
Grained



Fine Grained

## Exploratory Hole Location Plan





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 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham



KEY:



BOREHOLE



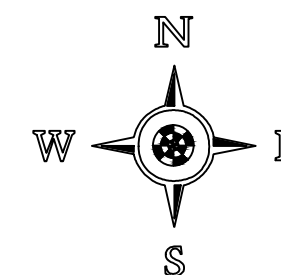
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/OVERVIEW

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

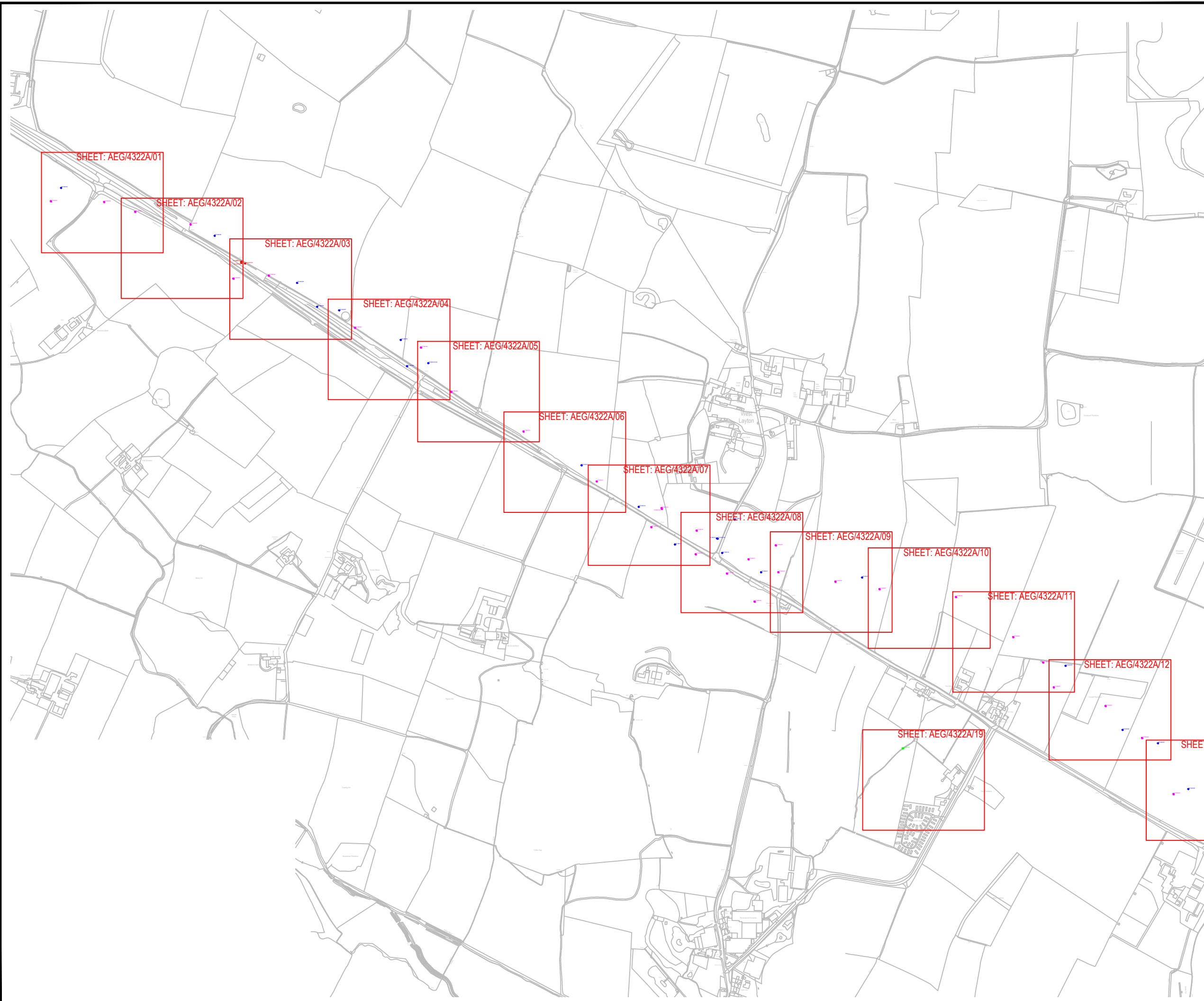
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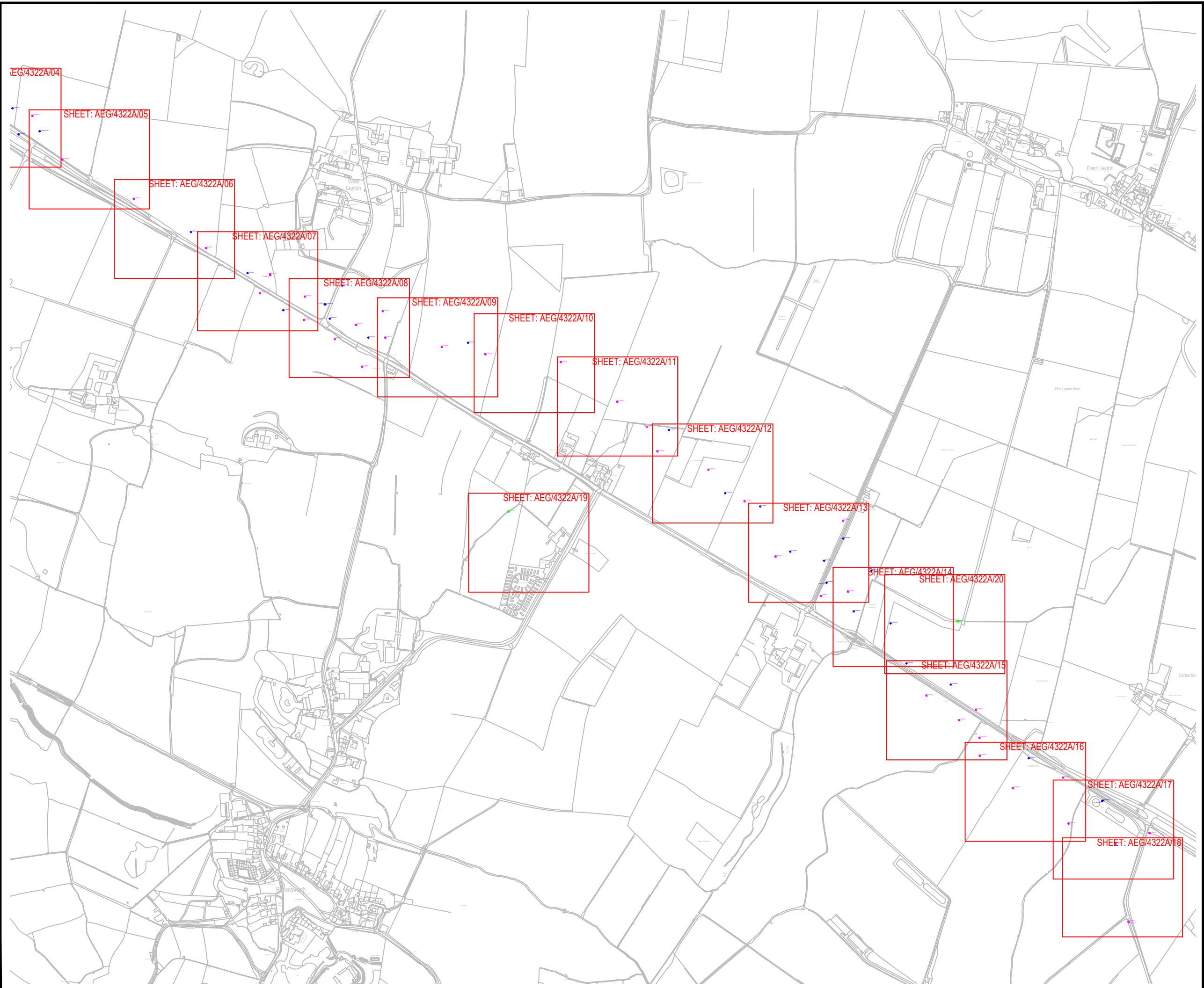
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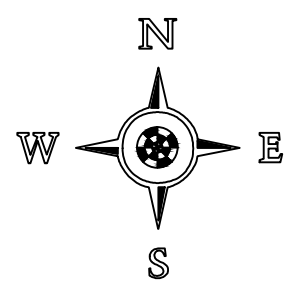
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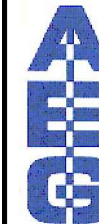


- KEY:
-  BOREHOLE
  -  WINDOW/WINDOWLESS SAMPLE HOLE
  -  TRIAL/INSPECTION PIT
  -  WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:	ENC 01 : Exploratory Hole Location Plan
Drawing No.:	AEG/4322A/OVERVIEW
Contract Title:	A66 North Trans Pennine Scheme C Section 9
Client:	AMEY OW Limited Chancery Exchange, 10 Furnival Street, London, EC4A 1AB
Consultant:	Arup Central Square, Forth Street, Newcastle upon Tyne, NE1 3PL
Contract No.:	4322A
Scale:	1:10000 @ A3
Date:	01/09/2021



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 Pelton Fell  
 Chester - Le - Street  
 Co Durham



KEY:



BOREHOLE



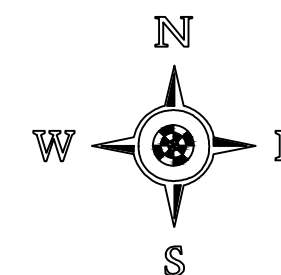
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/01

Contract Title:

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Client:

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 London, EC4A 1AB

Consultant:

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 Central Square, Forth Street,  
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Contract No.:

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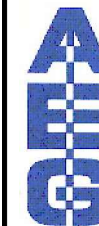
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KEY:



BOREHOLE



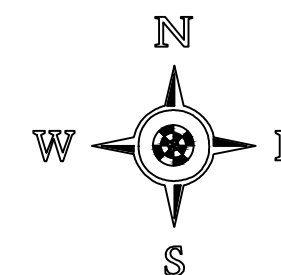
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



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Drawing Title:

ENC 01 : Exploratory Hole Location Plan

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AEG/4322A/02

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

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 Newcastle upon Tyne, NE1 3PL

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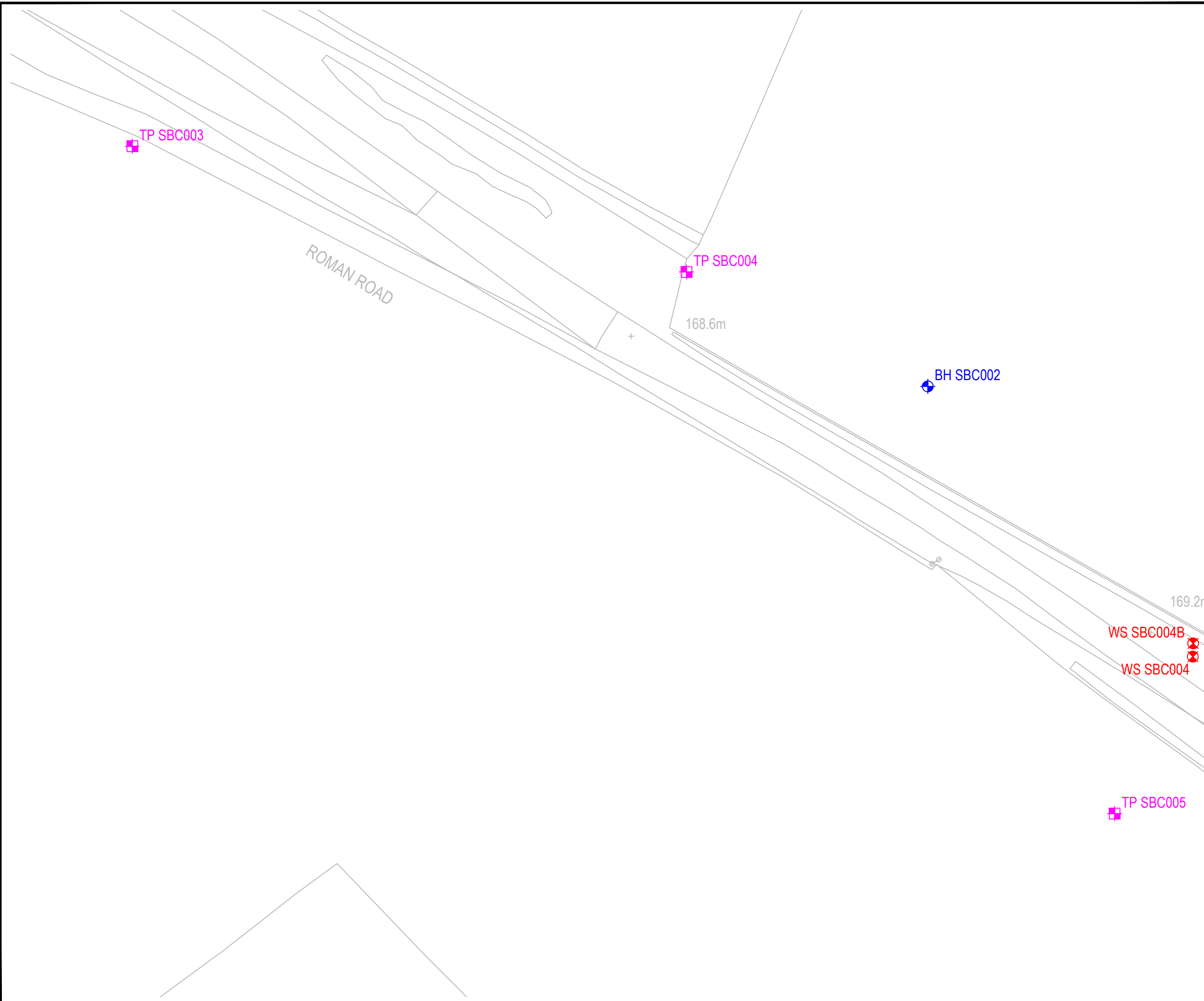
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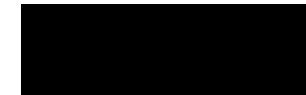
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KEY:



BOREHOLE



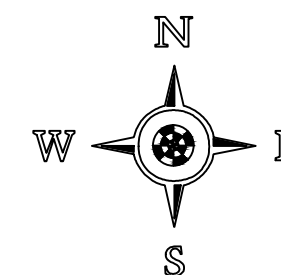
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/03

Contract Title:

A66 North Trans Pennine Scheme C Section 9

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 Chancery Exchange, 10 Furnival Street,  
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Consultant:

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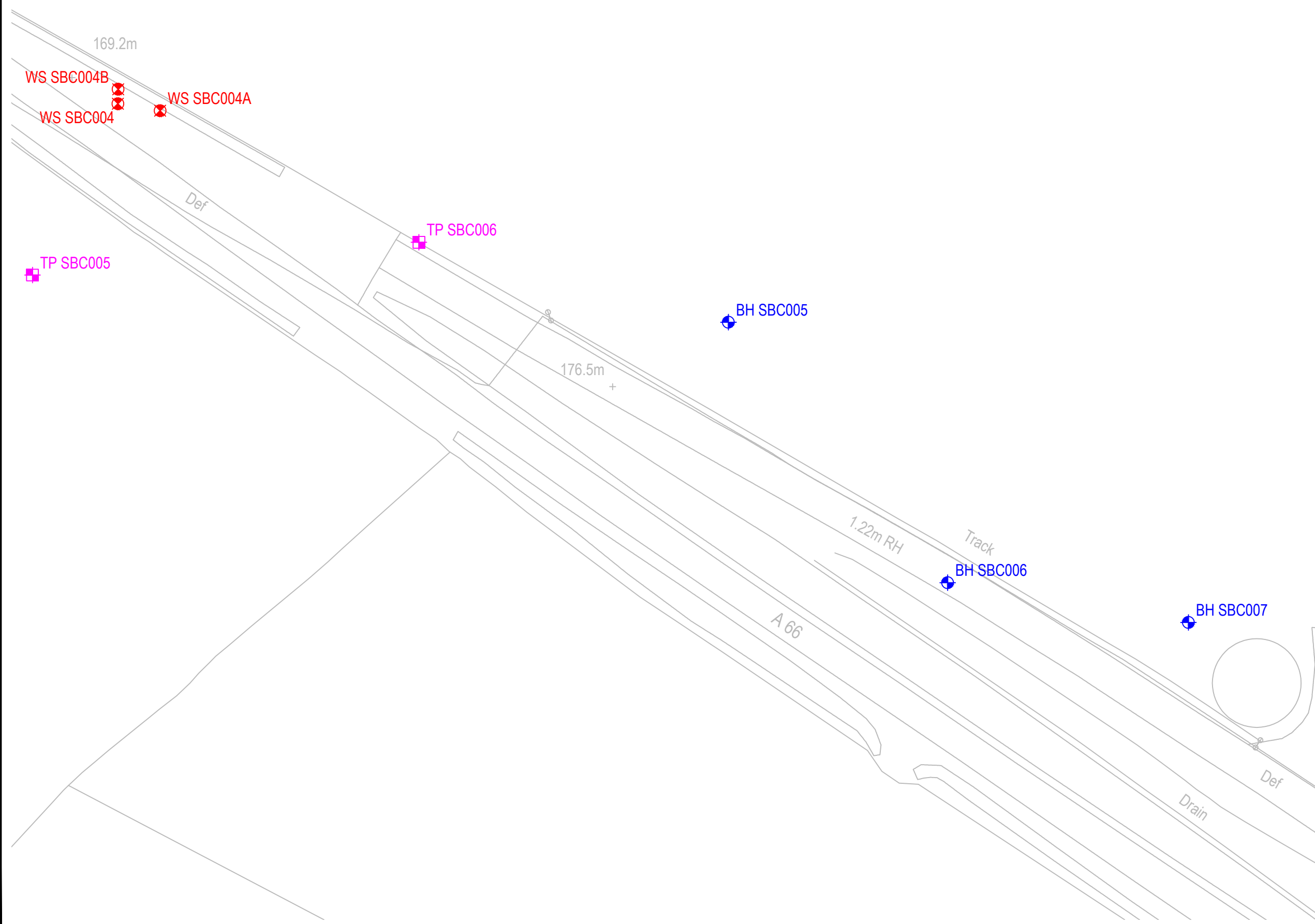
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Date:

22/03/2021





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 Unit 25 Stella Gill Industrial Estate  
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 Chester - Le - Street  
 Co Durham



KEY:



BOREHOLE



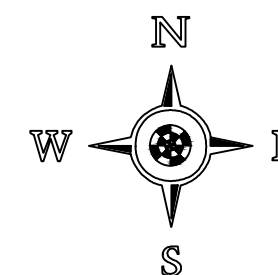
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/04

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

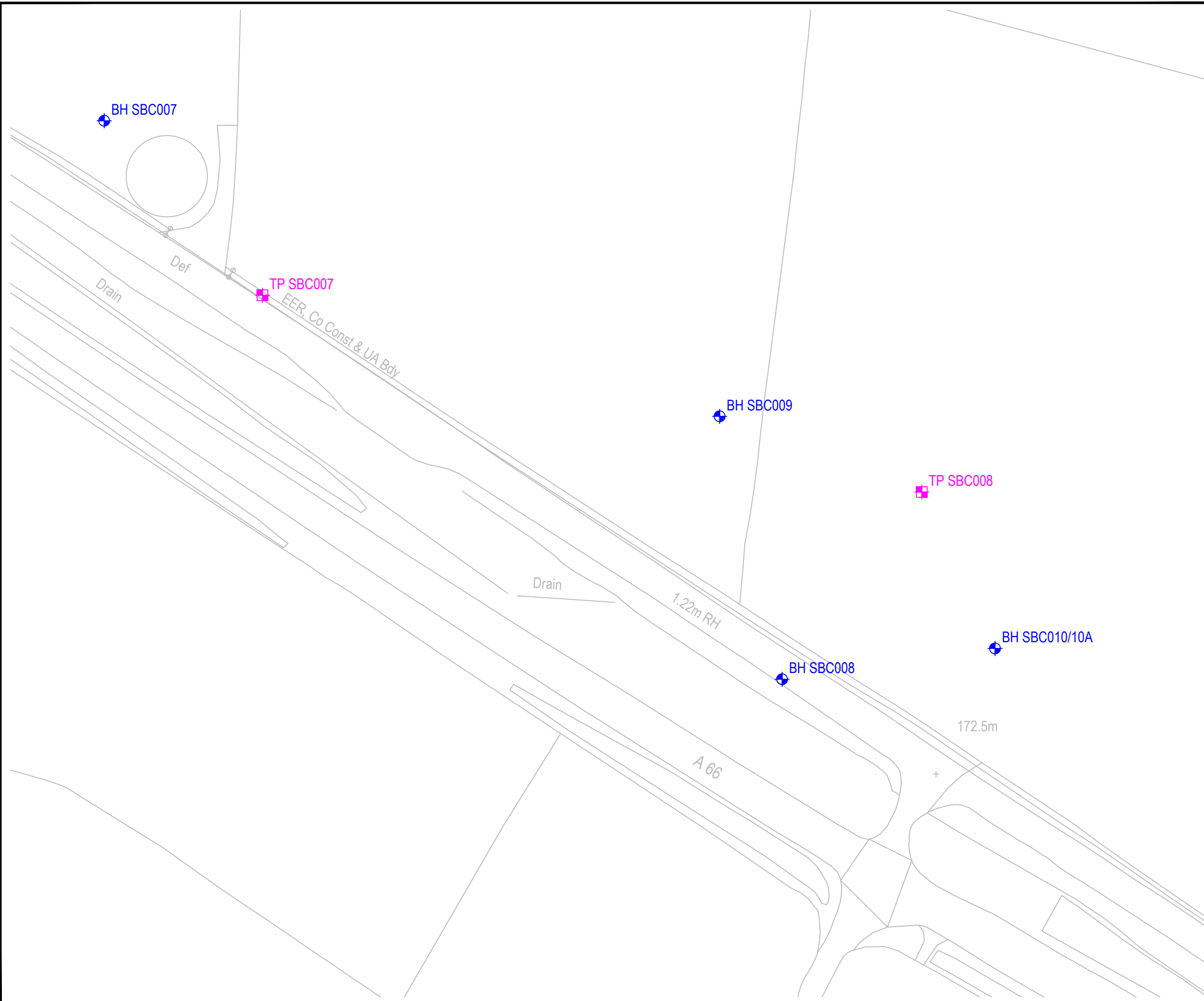
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Date:

22/03/2021





TP SBC008

BH SBC010/10A

TP SBC009

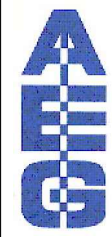
TP SBC010

Def

172.5m

1.22m RH

178.3m



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KEY:



BOREHOLE



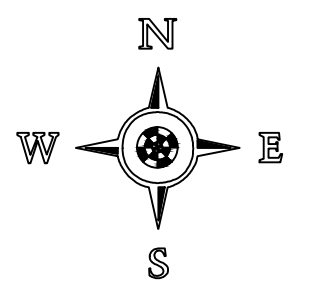
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/05

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
Chancery Exchange, 10 Furnival Street,  
London, EC4A 1AB

Consultant:

Arup  
Central Square, Forth Street,  
Newcastle upon Tyne, NE1 3PL

Contract No.:

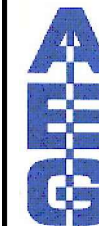
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Date:

22/03/2021



Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:



BOREHOLE



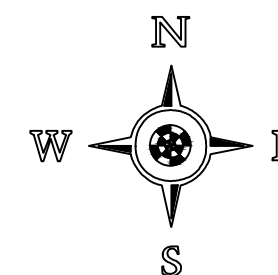
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/06

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
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 Newcastle upon Tyne, NE1 3PL

Contract No.:

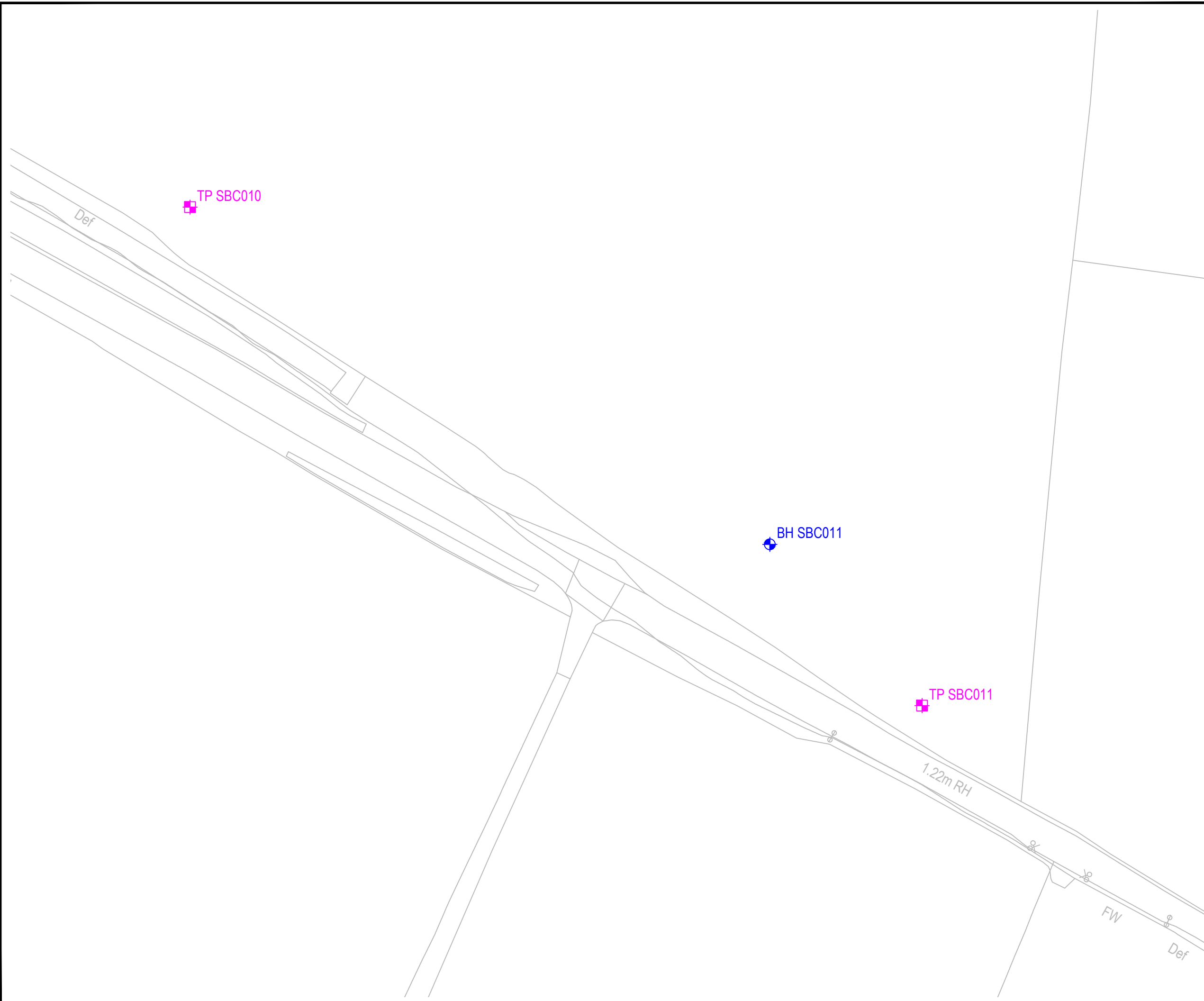
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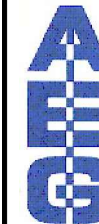
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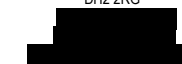
Date:

22/03/2021





Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG



KEY:



BOREHOLE



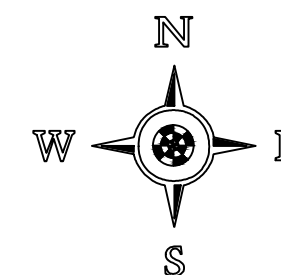
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/07

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

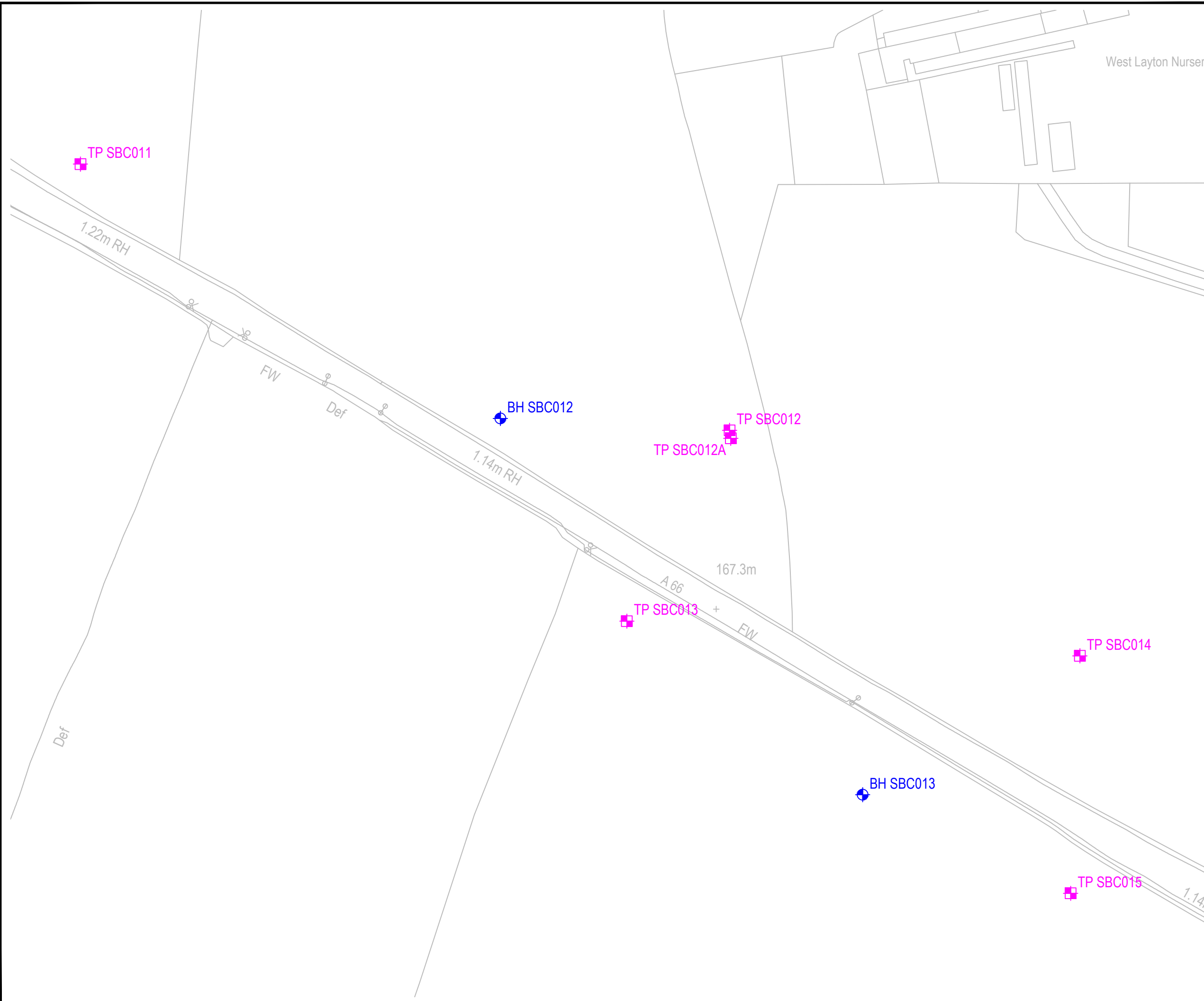
4322A

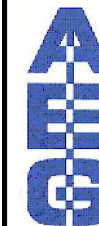
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Date:

22/03/2021





Allied Exporation and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:



BOREHOLE



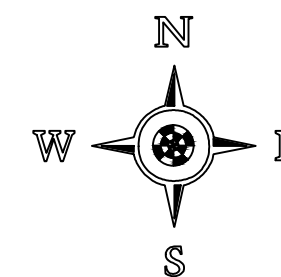
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/08

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

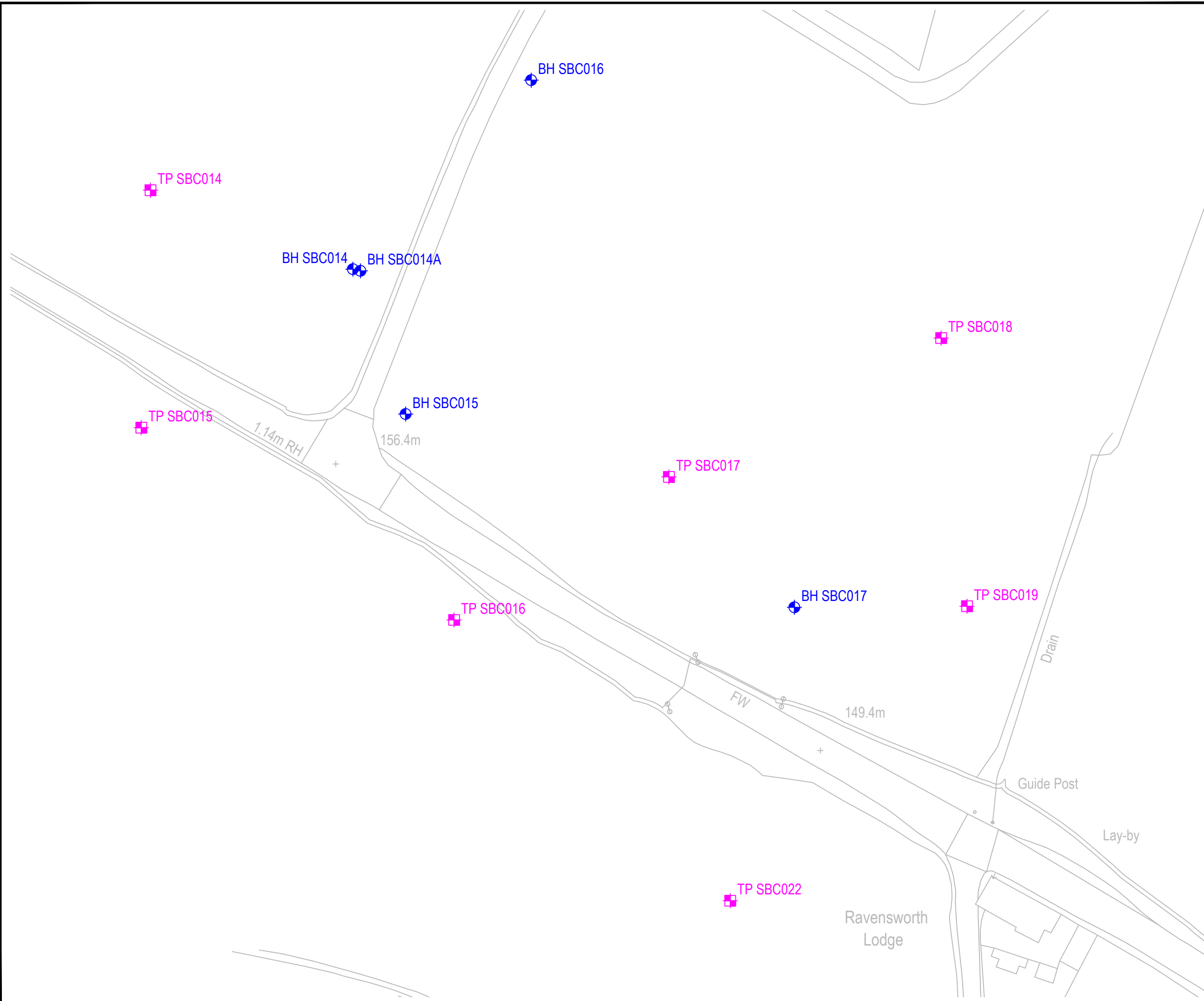
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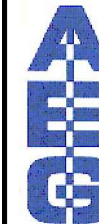
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Date:

22/03/2021





Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:



BOREHOLE



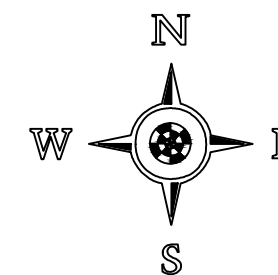
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/09

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

4322A

Scale:

1:1000 @ A3

Date:

22/03/2021





Allied Exporation and Geotechnics Limited  
Unit 25 Stella Gill Industrial Estate  
Pelton Fell  
Chester - Le - Street  
Co Durham



KEY:



BOREHOLE



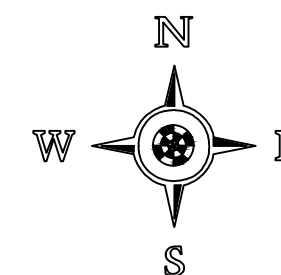
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/10

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
Chancery Exchange, 10 Furnival Street,  
London, EC4A 1AB

Consultant:

Arup  
Central Square, Forth Street,  
Newcastle upon Tyne, NE1 3PL

Contract No.:

4322A

Scale:

1:1000 @ A3

Date:

22/03/2021

TP SBC021

TP SBC023

Def

RH

TP SBC023



TP SBC024



TP SBC025



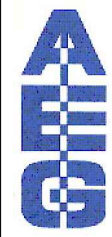
BH SBC019



TP SBC026



Issues



Allied Exploration and Geotechnics Limited  
Unit 25 Stella Gill Industrial Estate  
Pelton Fell  
Chester - Le - Street  
Co Durham  
DH2 2RG

KEY:



BOREHOLE



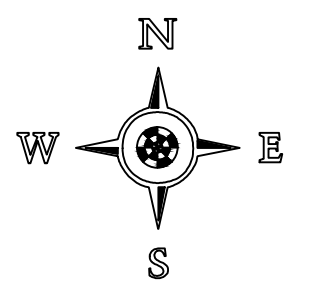
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/11

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
Chancery Exchange, 10 Furnival Street,  
London, EC4A 1AB

Consultant:

Arup  
Central Square, Forth Street,  
Newcastle upon Tyne, NE1 3PL

Contract No.:

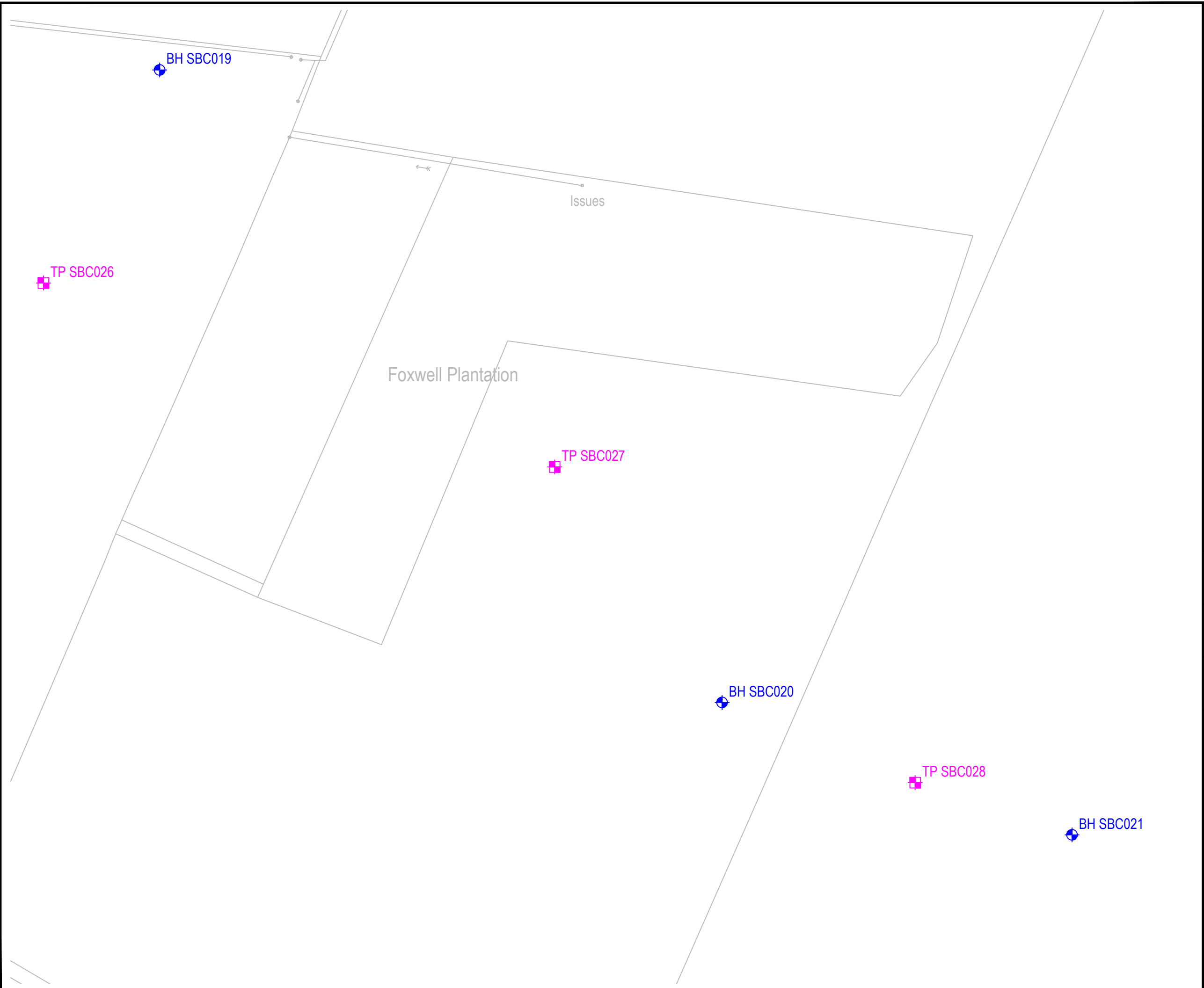
4322A

Scale:





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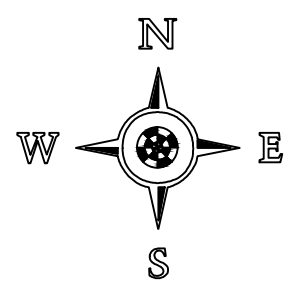
Date:

22/03/2021



KEY:

	BOREHOLE
	WINDOW/WINDOWLESS SAMPLE HOLE
	TRIAL/INSPECTION PIT
	WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:	ENC 01 : Exploratory Hole Location Plan
Drawing No.:	AEG/4322A/12
Contract Title:	A66 North Trans Pennine Scheme C Section 9
Client:	AMEY OW Limited Chancery Exchange, 10 Furnival Street, London, EC4A 1AB
Consultant:	Arup Central Square, Forth Street, Newcastle upon Tyne, NE1 3PL
Contract No.:	4322A
Scale:	1:1000 @ A3
Date:	22/03/2021



BH SBC021



Monks F

143.6m  
TP SBC032



BH SBC026



BH SBC022



TP SBC029



MOOR LANE  
CR

BH SBC024



145.7m

BH SBC023



BH SBC023A

GP

TP SBC033



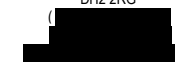
TP SBC031



ROMA...



Allied Exploration and Geotechnics Limited  
Unit 25 Stella Gill Industrial Estate  
Pelton Fell  
Chester - Le - Street  
Co Durham  
DH2 2RG



KEY:



BOREHOLE



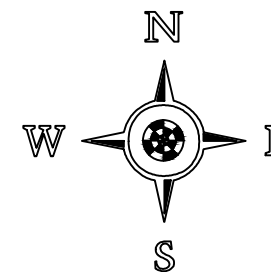
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/13

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
Chancery Exchange, 10 Furnival Street,  
London, EC4A 1AB

Consultant:

Arup  
Central Square, Forth Street,  
Newcastle upon Tyne, NE1 3PL

Contract No.:

4322A

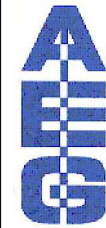
Scale:

1:1000 @ A3

Date:

22/03/2021

East Layton Moor



Allied Exploration and Geotechnics Limited  
Unit 25 Stella Gill Industrial Estate  
Pelton Fell  
Chester - Le - Street  
Co Durham  
DH2 2RG



KEY:



BOREHOLE



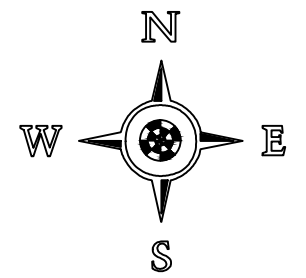
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/14

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
Chancery Exchange, 10 Furnival Street,  
London, EC4A 1AB

Consultant:

Arup  
Central Square, Forth Street,  
Newcastle upon Tyne, NE1 3PL

Contract No.:

4322A

Scale:

1:1000 @ A3

Date:

22/03/2021

TP SBC033

BH SBC027

Mainsgill  
Plantation

BH SBC025

BH SBC028

143.3m

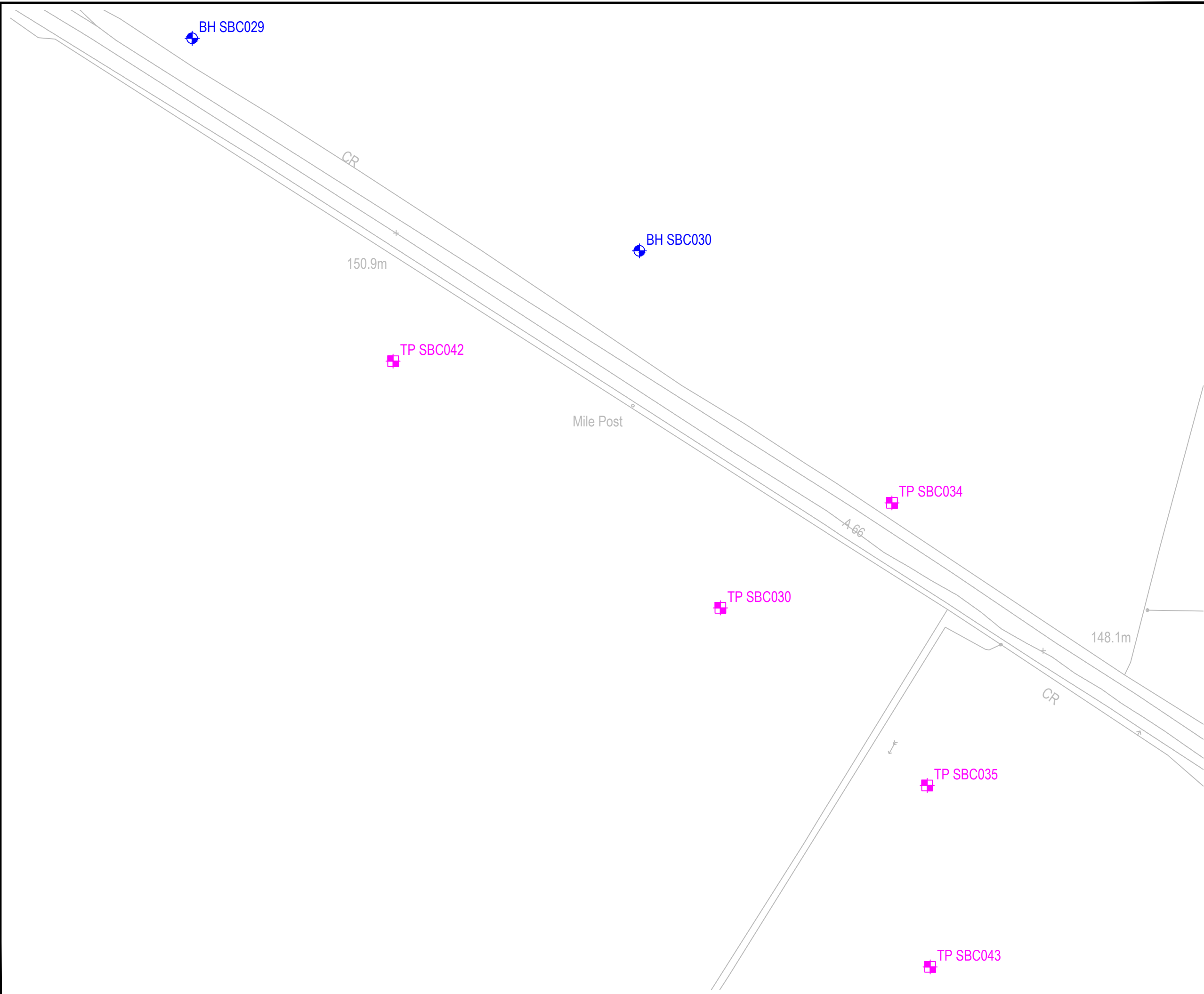
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Def

Guide Post





Lay-by

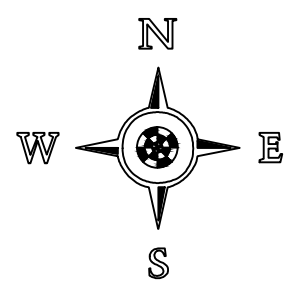
BH SBC029



Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:

-  BOREHOLE
-  WINDOW/WINDOWLESS SAMPLE HOLE
-  TRIAL/INSPECTION PIT
-  WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:  
 ENC 01 : Exploratory Hole Location Plan

Drawing No.:  
 AEG/4322A/15

Contract Title:  
 A66 North Trans Pennine Scheme C Section 9

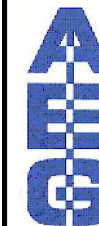
Client:  
 AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:  
 Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

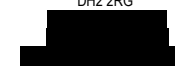
Contract No.:  
 4322A

Scale:  
 1:1000 @ A3

Date:  
 22/03/2021



Allied Exporation and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG



KEY:



BOREHOLE



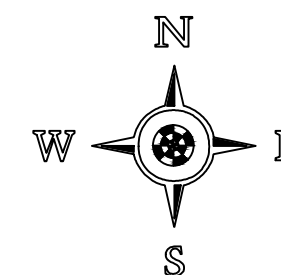
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/16

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

4322A

Scale:

1:1000 @ A3

Date:

22/03/2021

TP SBC043

BH SBC031

ROMAN FORT

ROMAN ROAD

TP SBC036

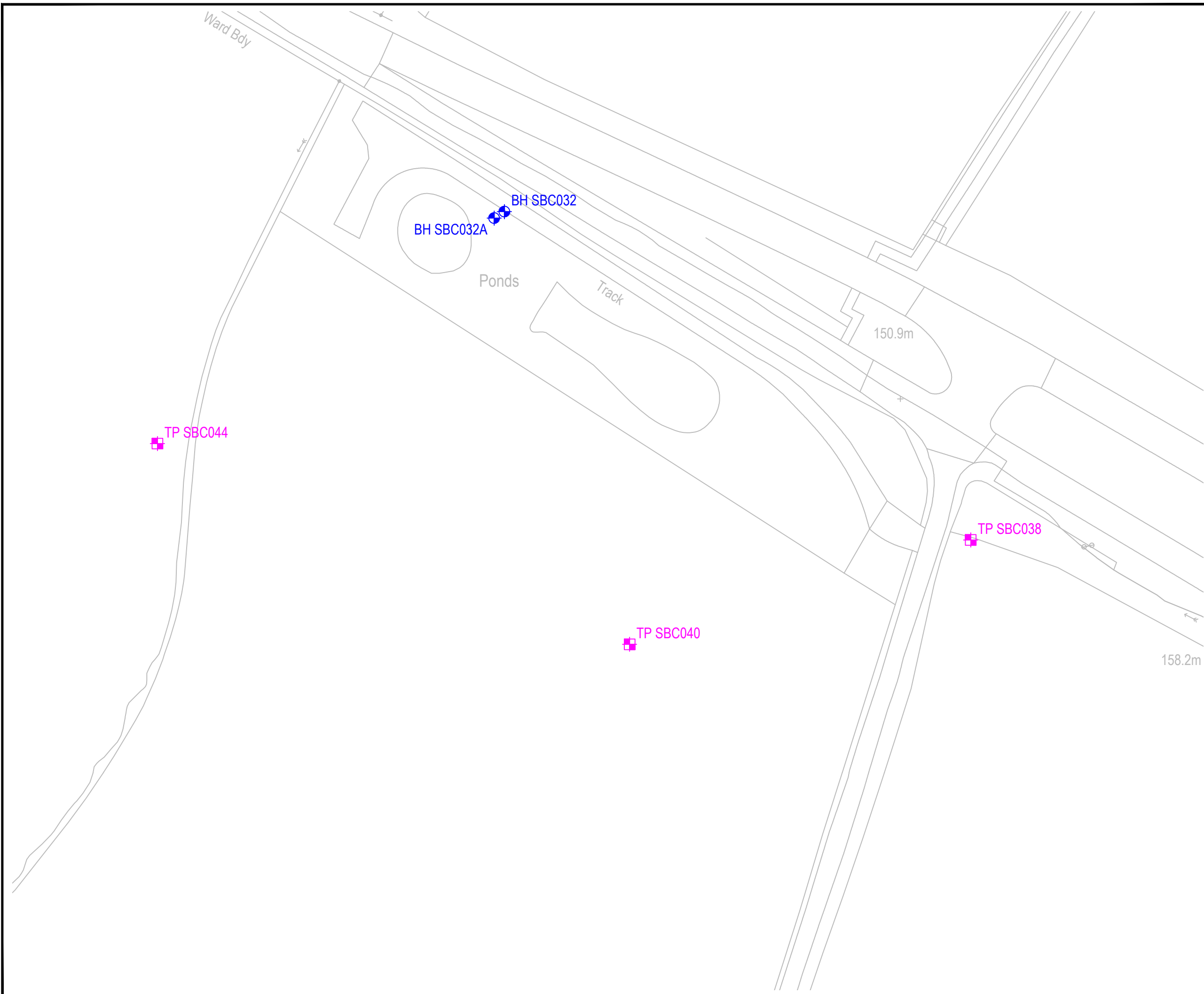
TP SBC039

TP SBC044

Def





Def

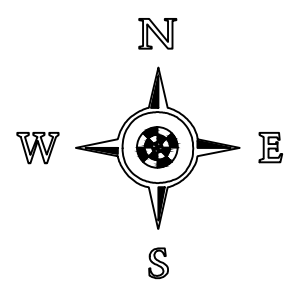
Ward Bdy



Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:

-  BOREHOLE
-  WINDOW/WINDOWLESS SAMPLE HOLE
-  TRIAL/INSPECTION PIT
-  WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:  
 ENC 01 : Exploratory Hole Location Plan

Drawing No.:  
 AEG/4322A/17

Contract Title:  
 A66 North Trans Pennine Scheme C Section 9

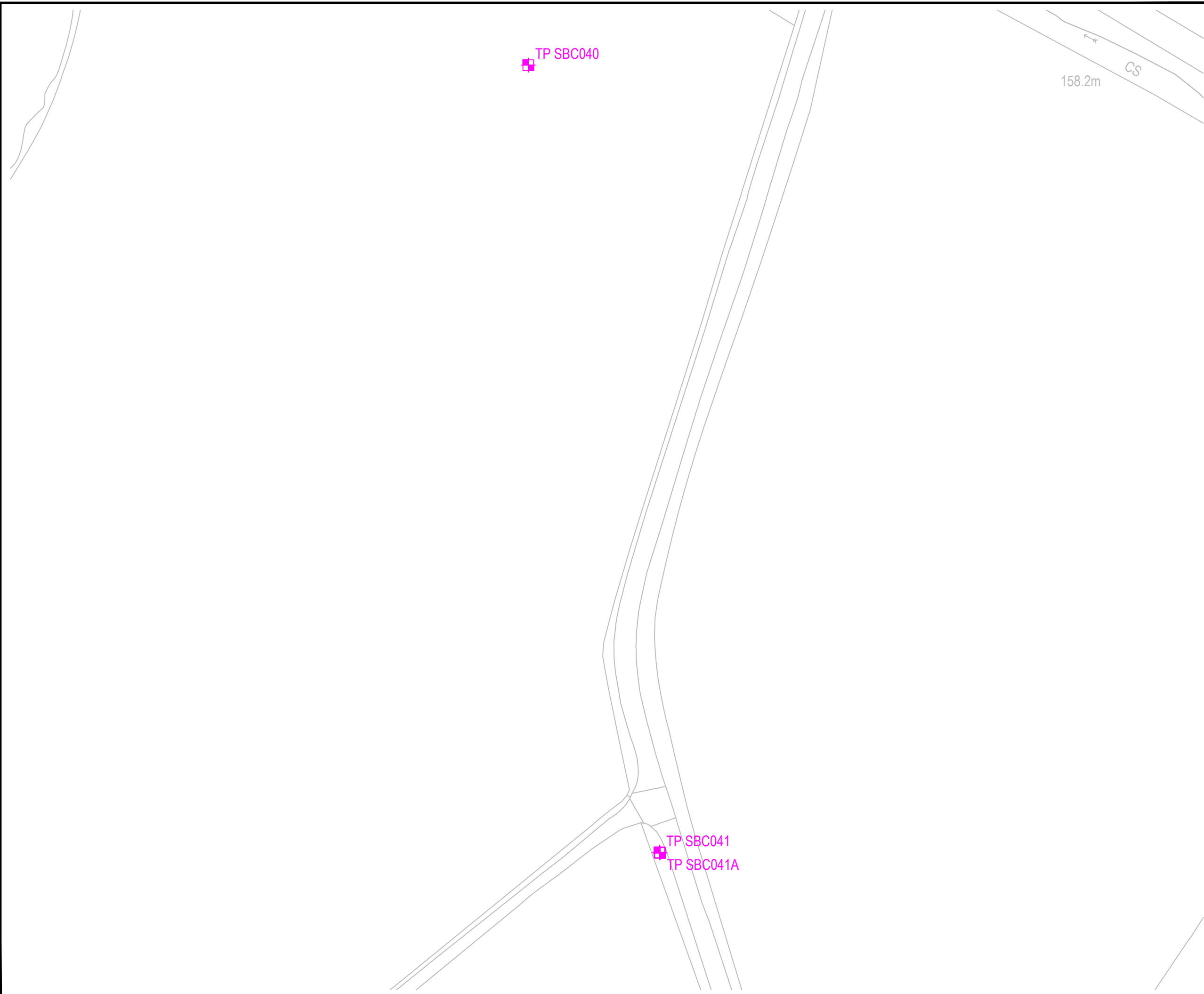
Client:  
 AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:  
 Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:  
 4322A

Scale:  
 1:1000 @ A3





Date:  
 22/03/2021

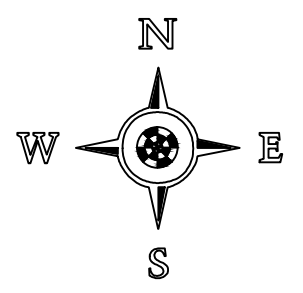


Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG



KEY:

-  BOREHOLE
-  WINDOW/WINDOWLESS SAMPLE HOLE
-  TRIAL/INSPECTION PIT
-  WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:  
 ENC 01 : Exploratory Hole Location Plan

Drawing No.:  
 AEG/4322A/18

Contract Title:  
 A66 North Trans Pennine Scheme C Section 9

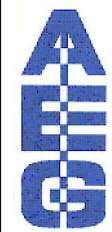
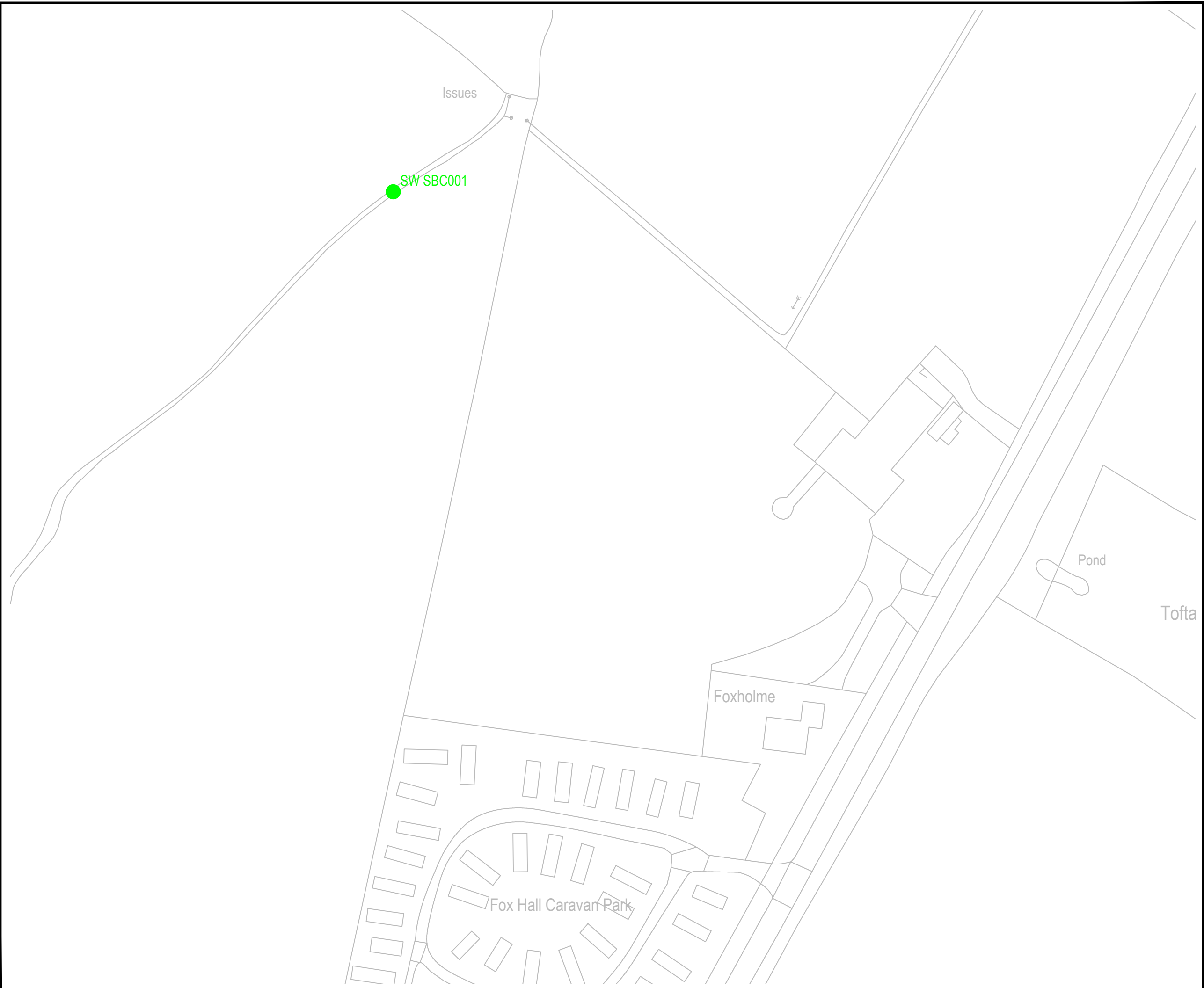
Client:  
 AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:  
 Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:  
 4322A





Scale:  
 1:1000 @ A3

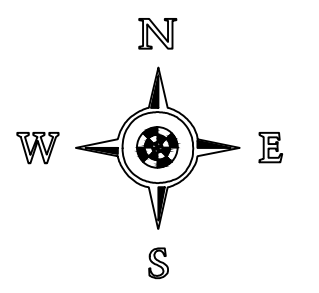
Date:  
 22/03/2021



Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG

KEY:

-  BOREHOLE
-  WINDOW/WINDOWLESS SAMPLE HOLE
-  TRIAL/INSPECTION PIT
-  WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:  
 ENC 01 : Exploratory Hole Location Plan

Drawing No.:  
 AEG/4322A/19

Contract Title:  
 A66 North Trans Pennine Scheme C Section 9

Client:  
 AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:  
 Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

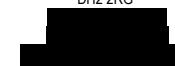
Contract No.:  
 4322A

Scale:  
 1:1000 @ A3

Date:  
 22/03/2021



Allied Exploration and Geotechnics Limited  
 Unit 25 Stella Gill Industrial Estate  
 Pelton Fell  
 Chester - Le - Street  
 Co Durham  
 DH2 2RG



KEY:



BOREHOLE



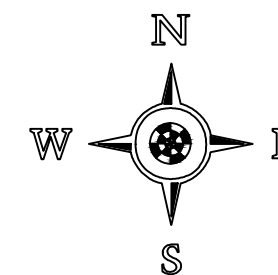
WINDOW/WINDOWLESS SAMPLE HOLE



TRIAL/INSPECTION PIT



WATER SAMPLE LOCATION



Base Plan Supplied by Consulting Engineer

Drawing Title:

ENC 01 : Exploratory Hole Location Plan

Drawing No.:

AEG/4322A/20

Contract Title:

A66 North Trans Pennine Scheme C Section 9

Client:

AMEY OW Limited  
 Chancery Exchange, 10 Furnival Street,  
 London, EC4A 1AB

Consultant:

Arup  
 Central Square, Forth Street,  
 Newcastle upon Tyne, NE1 3PL

Contract No.:

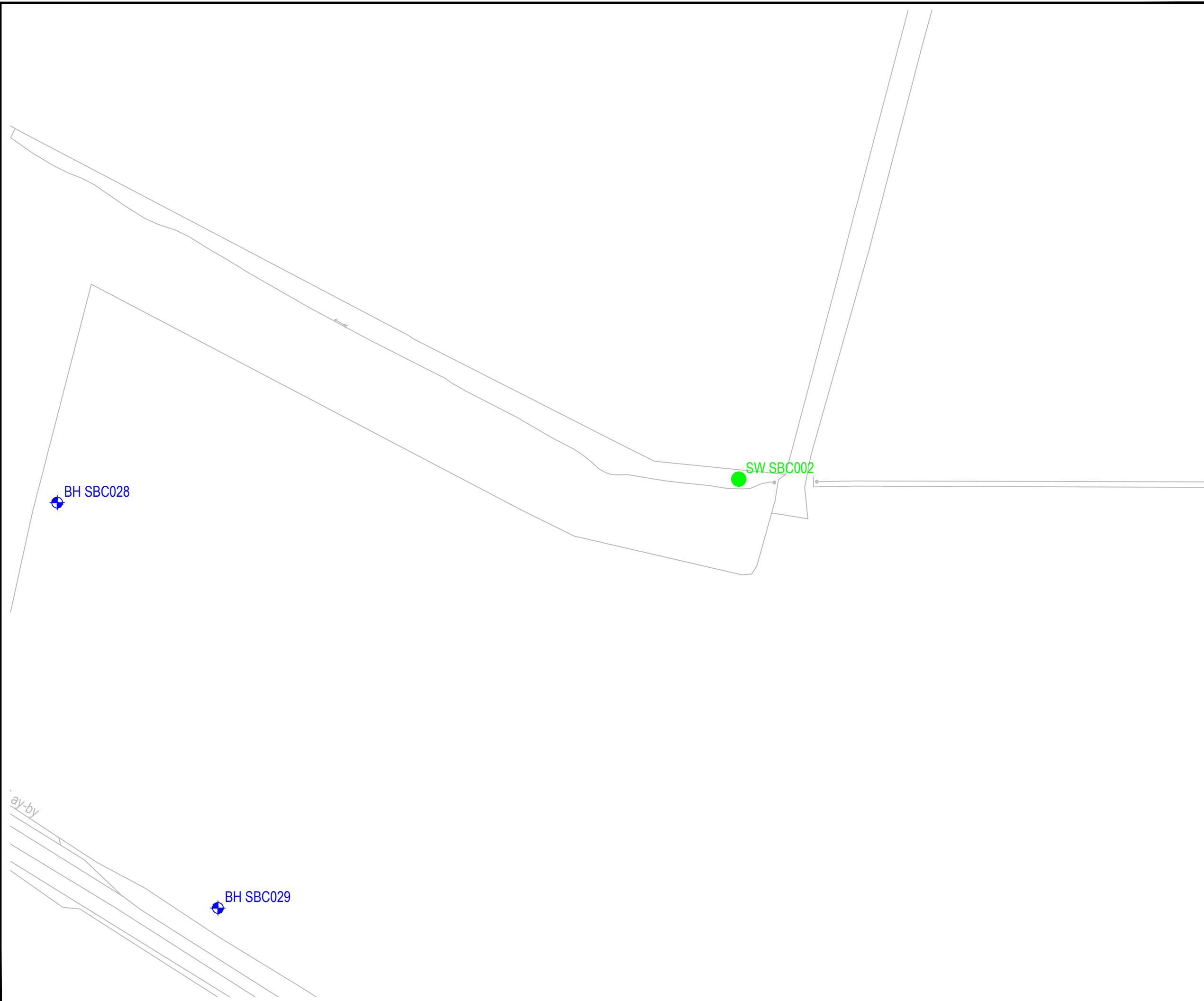
4322A

Scale:

1:1000 @ A3

Date:

22/03/2021





## Borehole Records



## Borehole Summary Table

Exploratory Hole Number	Drilling Method	Completion Depth (m BGL)	Depth of instrumentation (m BGL)	Instrumentation Response zone (m BGL)	Remarks
BH SBC001	CP+RC	10.00	2.00 (SPIE)	1.00-3.00	Advanced to required depth.
BH SBC002	CP	6.00	4.00 (SPIE)	3.50-4.50	Advanced to required depth.
BH SBC005	CP+RC	8.00	3.00 (SPIE)	2.00-3.50	Advanced to required depth.
BH SBC006	CP+RC	8.00	7.00 (SP)	5.00-7.00	Advanced to required depth.
BH SBC007	CP+RC	8.70	-	-	Advanced to required depth.
BH SBC008	CP	5.00	4.00 (SP)	2.00-4.00	Terminated due to encountering probable rockhead.
BH SBC009	CP+RC	10.50	5.00 (SPIE)	4.00-6.00	Advanced to required depth.
BH SBC010	CP	3.00	-	-	Terminated due to an obstruction.
BH SBC010A	CP	6.00	-	-	Terminated due to encountering artesian water.
BH SBC011	CP	8.00	2.50 (SPIE)	1.00-3.00	Advanced to required depth.
BH SBC012	CP	11.00	-	-	Terminated due to cobble/boulder obstruction.
BH SBC013	CP	11.00	8.00 (SPIE)	7.00-9.00	Advanced to required depth.
BH SBC014	CP	0.30	-	-	Terminated due to an obstruction.
BH SBC014A	CP+RC	25.60	14.00 (SPIE)	13.00-15.00	Advanced to required depth.
BH SBC015	CP+RC	25.00	-	-	Advanced to required depth.
BH SBC016	CP	7.00	5.00 (SPIE)	4.00-6.00	Terminated due to cobble/boulder obstruction.
BH SBC017	CP	8.00	3.00 (SPIE)	2.00-4.00	Terminated due to cobble/boulder obstruction.
BH SBC018	CP	3.50	2.50 (SPIE)	2.00-3.50	Terminated due to cobble/boulder obstruction.
BH SBC019	CP	6.50	3.50 (SPIE)	3.00-4.00	Advanced to required depth.
BH SBC020	CP	8.50	5.50 (SPIE)	5.00-6.00	Advanced to required depth.
BH SBC021	CP	8.00	2.50 (SPIE)	2.00-3.00	Advanced to required depth.
BH SBC022	CP	8.00	1.50 (SPIE)	1.00-2.00	Advanced to required depth.
BH SBC023	CP	1.20	-	-	Terminated due to an obstruction.
BH SBC023A	CP	16.80	8.50 (SPIE)	7.50-9.00	Terminated due to cobble/boulder obstruction.
BH SBC024	CP+RC	25.00	15.00 (SPIE)	14.00-16.00	Advanced to required depth.
BH SBC025	CP+RC	25.00	4.00 (SPIE)	3.00-5.00	Advanced to required depth.
BH SBC026	CP	8.00	4.50 (SPIE)	4.00-5.00	Advanced to required depth.
BH SBC027	CP	7.00	2.50 (SPIE)	2.00-3.00	Terminated due to an obstruction.
BH SBC028	CP	8.50	-	-	Advanced to required depth.
BH SBC029	CP	10.50	4.50 (SPIE)	3.00-5.00	Advanced to required depth.
BH SBC030	CP	10.50	3.00 (SPIE)	2.00-4.00	Advanced to required depth.
BH SBC031	CP	17.00	6.50 (SPIE)	5.00-8.00	Advanced to required depth.
BH SBC032	CP	4.00	-	-	Terminated due to an obstruction.
BH SBC032A	CP	10.00	7.00 (SP)	4.00-7.00	Advanced to required depth.

Any relevant photographs are presented after the applicable Borehole Record  
 CP = Cable Percussion, RO = Rotary Openhole, RC = Rotary Coring, DS = Dynamic Sampling  
 (SPIE) = 19mm diameter standpipe piezometer, (SP) = 50mm diameter slotted standpipe



# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC001</b>	
Client: AMEY OW Limited		Location: E:412345.573 N:510538.449	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.629	Start Date: 05/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.30	B3					0.30	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone. at c.0.20m BGL ... clay is of intermediate plasticity.	
0.20	ES1	<0.1ppm		158.33		(0.50)		
0.20	J2						0.80	Firm brown grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. at c.0.50m BGL ... clay is of intermediate plasticity.
0.50	PID					(0.70)		
0.50-0.80	B5	<0.1ppm		157.83		1.50	Weak yellow grey brown fine to coarse grained SANDSTONE partially weathered.	
0.50	J4							
1.00	B8	<0.1ppm		157.13			Boring complete at 1.50m BGL - continued by rotary drilling.	
1.00	PID							
1.20	B10	100/60mm						
1.20	SJ9							

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
05/03/2021	0.00	0.00	150		1.00 - 1.20	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Wet from 3.50m BGL. (4) 19mm diameter standpipe piezometer installed to 2.00m BGL.
05/03/2021	1.50	1.00	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eaman Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC001</b>	
Client: AMEY OW Limited		Location: E:412345.573 N:510538.449	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.629	Start Date: 05/03/2021
		Sheet: 2 of 6	

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
5.80	100 (100) 40							Weak to moderately weak grey yellow brown interlaminated fine to medium grained SANDSTONE and MUDSTONE partially weathered. (continued)	
7.30						7.30-7.70m ... no recovery.			
7.70	71 (71) 8	NR		150.93		7.70-10.00m ... subhorizontal (10-15 degrees) closely spaced planar rough undulating smooth and rough open clean discontinuities.		Moderately weak yellow brown fine to medium grained SANDSTONE partially weathered.	
8.50	100 (100) 64	5				(2.30)			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
10/03/2021	7.30	1.50	Dry	8.50	C	50/0mm	5.80 - 7.30	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Wet from 3.50m BGL. (4) 19mm diameter standpipe piezometer installed to 2.00m BGL.
11/03/2021	7.30	2.70	4.35				7.30 - 8.50	Air/Mist	100	
							8.50 - 10.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC001</b>	
Client: AMEY OW Limited		Location: E:412345.573 N:510538.449		
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.629	Start Date: 05/03/2021	Sheet: 3 of 6

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
				148.63		10.00		Moderately weak yellow brown fine to medium grained SANDSTONE partially weathered. (continued)	
								Complete at 10.00m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
11/03/2021	10.00	2.70	Dry							(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Wet from 3.50m BGL. (4) 19mm diameter standpipe piezometer installed to 2.00m BGL.

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC001	
Client: AMEY OW Limited	Location: E:412345.573 N:510538.449		
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.629	Start Date: 05/03/2021	Sheet: 4 of 6

Figure BH SBC001.1  
BH SBC001 - 1.50-3.00m BGL



Figure BH SBC001.2  
BH SBC001 - 3.00-4.30m BGL







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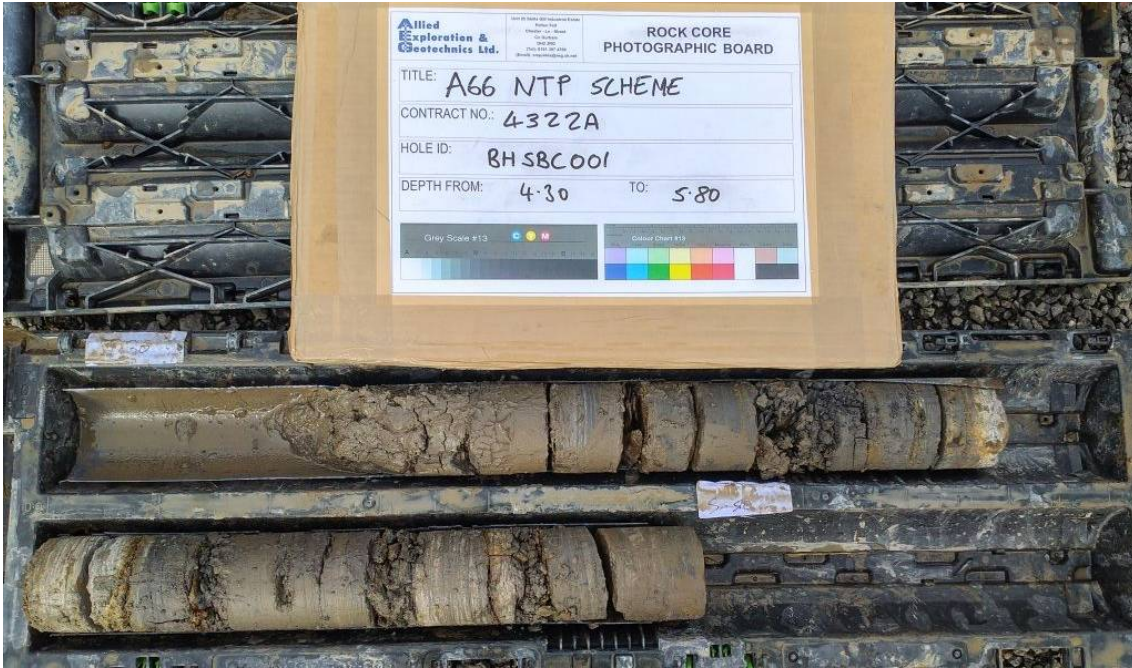
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC001</b>
Client: AMEY OW Limited	Location: E:412345.573 N:510538.449		
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.629	Start Date: 05/03/2021	Sheet: 5 of 6

**Figure BH SBC001.3**  
**BH SBC001 - 4.30-5.80m BGL**



**Figure BH SBC001.4**  
**BH SBC001 - 5.80-7.30m BGL**





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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No.  <b>BH SBC001</b>
Client: AMEY OW Limited	Location: E:412345.573 N:510538.449		
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.629	Start Date: 05/03/2021	Sheet: 6 of 6

**Figure BH SBC001.5**  
**BH SBC001 - 7.30-8.50m BGL**



**Figure BH SBC001.6**  
**BH SBC001 - 8.50-10.00m BGL**





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## BOREHOLE RECORD

Status:-  
FINAL

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC002</b>	
Client: AMEY OW Limited		Location: E:412774.417 N:510404.811	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 166.931	Start Date: 12/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20	ES1			166.53		(0.40) 0.40	Grass over silty/clayey TOPSOIL with occasional rootlets.	
0.50	B2						Soft to firm grey mottled orangish brown sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to rounded and includes mudstone, sandstone and limestone. Cobbles are angular to rounded and include sandstone and limestone. at c.0.80m BGL ... clay is of high plasticity.	
0.80	J3							
1.20	ES4							
1.50-2.00	B6	N17				(3.10)		
1.50-1.95	SJ5							
2.20	J7						at c.2.50m BGL ... very low strength.	
2.50-2.95	U8	(61)						
3.00	J9							
3.20	B10						at c.3.00m BGL ... clay is of low plasticity.	
3.50-3.95	CB11	N19		163.43		3.50		
4.20	J12						Soft brown very sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse angular to rounded and includes mudstone, sandstone and limestone. Cobbles are angular to rounded and include sandstone and limestone. at c.5.20m BGL ... clay is of low plasticity.	
4.50-4.95	CB13	N11				(2.50)		
5.20	J14							
5.50-5.95	CB15	N14						
				160.93		6.00	Complete at 6.00m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
12/03/2021	0.00	0.00	150				1.20 - 3.50	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 4.00m BGL. (4) Wet from 3.50m BGL.
12/03/2021	6.00	6.00	150	Wet				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: <b>M. Bell</b>	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC005</b>	
Client: AMEY OW Limited		Location: E:413004.497 N:510273.563	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 178.737	Start Date: 25/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.40	B3		↓ Water		○	(0.40)	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone. at c.0.20m BGL ... clay is of intermediate plasticity.	
0.20	ES1			178.34	○	0.40		
0.20	J2				○			
0.60	HSV	39 (21)kPa			○		Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. at c.1.20m BGL ... clay is of low plasticity.	
1.00	ES4				○			
1.00	J5				○			
1.20-1.65	B7	N22			○			
1.20-1.65	SJ6				○			
2.00-2.45	U*8	(50)			○	(3.40)		
2.50-2.95	B10				○			
2.50-2.95	SJ9	N17		○				
3.50-3.95	U*11	(50)		○				
3.50-3.95				174.94	○	3.80	Extremely weak grey MUDSTONE distinctly weathered. (Recovered as clayey gravel/gravelly clay. Gravel is fine to medium angular).	
4.00-4.45	B13			○		(1.70)		
4.00-4.45	SJ12	N38		○				
5.00-5.45	SJ14	N72		○		5.50		
Boring complete at 5.50m BGL - continued by rotary drilling.								

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
25/02/2021	0.00	0.00	150		4.70 - 5.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 4.00m - water level rose to 3.14m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 3.00m BGL.
25/02/2021	5.50	4.80	150	3.83				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	[REDACTED]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC005</b>	
Client: AMEY OW Limited		Location: E:413004.497 N:510273.563	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 178.737	Start Date: 25/02/2021
			Sheet: 1 of 2

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
5.50 (92mm)	100 (0) 0	NI		173.24		5.50	5.50-6.00m ... non-intact.	Weak to moderately weak grey MUDSTONE partially weathered.	
6.00 (92mm)	100 (100) 0	23				6.00-8.00m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open clean discontinuities.			
7.00 (92mm)	100 (100) 0			170.74		8.00	Complete at 8.00m BGL.		

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
01/03/2021	5.50	5.50	0.36				5.50 - 6.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 4.00m - water level rose to 3.14m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 3.00m BGL.
01/03/2021	8.00	5.50	1.09				6.00 - 7.00	Air/Mist	100	
							7.00 - 8.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC005</b>
Client: AMEY OW Limited	Location: E:413004.497 N:510273.563		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 178.737	Start Date: 25/02/2021	Sheet: 2 of 2

**Figure BH SBC005.1**  
**BH SBC005 - 5.50-8.00m BGL**





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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC006</b>	
Client: AMEY OW Limited		Location: E:413060.543 N:510206.975	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 179.718	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.10 0.10	ES1 J2			179.52		0.20	MADE GROUND (Black brown sandy gravel. Sand is fine to coarse. Gravel is fine to medium subangular and includes ash, limestone and macadam).	
0.50-1.00	B3						MADE GROUND (Brown slightly gravelly sand with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes limestone, tarmac and sandstone. Cobbles are subangular and include limestone).	
1.00 1.00 1.00-1.20 1.20-1.65 1.20	ES4 J5 B6 B8 SJ7	N12				(1.80)		
1.70	ES9			177.72		2.00	Firm brown yellow slightly sandy CLAY. Sand is fine to medium. (Driller notes cobbles).	
2.00-2.45	U*10	(50)					at c.2.50m BGL ... clay is of low to intermediate plasticity.	
2.50-2.95 2.50-2.95	B12 SJ11	N54				(1.20)		
3.00	ES13			176.52		3.20	Stiff friable grey very gravelly CLAY. Gravel is medium to coarse subangular and includes mudstone.	
3.50-3.95 3.50-3.95	B15 SJ14	N22		175.92		3.80	Extremely weak grey MUDSTONE distinctly weathered.	
4.00	ES16					(1.20)	at c.4.50m BGL ... clay fines are of low plasticity.	
4.50-4.80 4.50-4.95	B18 SJ17	100/110mm		174.72		5.00		
5.00-5.50	C19						<i>Boring complete at 5.00m BGL - continued by rotary drilling.</i>	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00	0.00	150		4.20 - 4.50	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 50mm diameter slotted standpipe installed between 5.00-7.00m BGL.
23/02/2021	2.00	1.80	150	Dry				
24/02/2021	2.00	1.80	150	1.64				
24/02/2021	5.00	4.80	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC006</b>	
Client: AMEY OW Limited		Location: E:413060.543 N:510206.975	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 179.718	Start Date: 23/02/2021
			Sheet: 1 of 2

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
5.00	80 (20) 0	NR		174.72		5.00	5.00-5.10m ... no recovery.	Weak grey MUDSTONE partially weathered.	
		NI					5.10-5.40m ... non-intact.		
5.50		20				(3.00)	5.40-5.50m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
	80 (80) 0	NR					5.50-5.70m ... no recovery.		
		18					5.70-6.80m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
6.50	80 (60) 0	NR					6.80-6.90m ... no recovery.		
		NI	6.90-7.00m ... non-intact.						
7.00	80 (80) 0	NR		171.72		8.00	7.00-7.20m ... no recovery.		
		14					7.20-8.00m ... subhorizontal (10-15 degrees) closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
								Complete at 8.00m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
01/03/2021	5.00	5.00	1.09				5.00 - 5.50	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 50mm diameter slotted standpipe installed between 5.00-7.00m BGL.
01/03/2021	6.50	5.00	1.09				5.50 - 6.50	Air/Mist	100	
02/03/2021	6.50	5.00	1.87				6.50 - 7.00	Air/Mist	100	
02/03/2021	8.00	5.00	1.87				7.00 - 8.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC006</b>
Client: AMEY OW Limited	Location: E:413060.543 N:510206.975		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 179.718	Start Date: 23/02/2021	Sheet: 2 of 2

**Figure BH SBC006.1**  
**BH SBC006 - 5.00-8.00m BGL**







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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC007</b>	
Client: AMEY OW Limited		Location: E:413122.086 N:510196.799	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 180.793	Start Date: 01/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.40	B3					(0.40)	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.20	ES1			180.39		0.40		
0.20	J2							
0.20	PID	<0.1ppm						
0.60	HSV	37 (21)kPa				(0.70)	Firm yellow brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.	
1.00	ES4			179.69		1.10		
1.00	J5							
1.00-1.20	B6		↓			(0.80)	Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone.	
1.20-1.65	B8	<0.1ppm					at c.1.20m BGL ... clay is of high plasticity.	
1.20-1.65	SJ7	N15		178.89		1.90		
1.70	ES9							
1.70	PID	<0.1ppm						
2.00-2.45	B11						Extremely weak grey MUDSTONE distinctly weathered. (Recovered as a clayey gravel/gravelly clay. Gravel is fine to medium angular).	
2.00-2.45	SJ10	N46						
2.50	ES12					(1.60)		
2.50	PID	<0.1ppm	↓					
3.00-3.45	B14						at c.3.00m BGL ... clay fines are of intermediate plasticity.	
3.00-3.45	SJ13	N70						
3.00	PID	<0.1ppm		177.29		3.50		
Boring complete at 3.50m BGL - continued by rotary drilling.								

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
01/03/2021	0.00	0.00	150		2.60 - 3.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.00m - water level rose to 1.54m BGL (20 mins).
01/03/2021	3.50	2.80	150	1.54				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC007</b>	
Client: AMEY OW Limited		Location: E:413122.086 N:510196.799	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 180.793	Start Date: 01/03/2021
		Sheet: 1 of 3	

RUN DETAILS			STRATA				Instrument/ Backfill		
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)		Description	
								Discontinuity Detail	Main
3.50 (92mm)	100 (71) 0	NI		177.29		3.50	3.50-3.70m ... non-intact.	Weak grey MUDSTONE partially weathered.	
		20					3.70-4.20m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
4.20 (92mm)	100 (60) 0	NI					4.20-4.40m ... non-intact.		
		20					4.40-4.70m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
4.70 (92mm)	100 (90) 0	NI					4.70-4.80m ... non-intact.		
		16					4.80-7.00m ... subhorizontal (10-15 degrees) very closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
5.70 (92mm)	100 (87) 7	NI					7.00-7.30m ... non-intact.		
		NI					7.30-8.70m ... subhorizontal (10-15 degrees) closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
7.20	100 (93) 13	14							

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
02/03/2021	3.50	3.50	Dry				3.50 - 4.20	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.00m - water level rose to 1.54m BGL (20 mins).
							4.20 - 4.70	Air/Mist	100	
							4.70 - 5.70	Air/Mist	100	
							5.70 - 7.20	Air/Mist	100	
							7.20 - 8.70	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC007</b>	
Client: AMEY OW Limited		Location: E:413122.086 N:510196.799		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 180.793	Start Date: 01/03/2021	Sheet: 2 of 3

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
(92mm)				172.09		8.70		Weak grey MUDSTONE partially weathered. (continued)	
								Complete at 8.70m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
02/03/2021	8.70	3.50	3.69							(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.00m - water level rose to 1.54m BGL (20 mins).

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC007</b>	
Client: AMEY OW Limited	Location: E:413122.086 N:510196.799		Sheet: 3 of 3
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 180.793	Start Date: 01/03/2021	

**Figure BH SBC007.1**  
**BH SBC007 - 3.50-6.70m BGL**



**Figure BH SBC007.2**  
**BH SBC007 - 6.70-8.70m BGL**





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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC008</b>	
Client: AMEY OW Limited		Location: E:413311.348 N:510040.950	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 172.437	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.30	ES1		↓	172.34		0.10	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular and includes sandstone and mudstone).	
0.30-0.80	J2 B3			(1.10)		MADE GROUND (Black slightly clayey sandy gravel. Gravel is fine to coarse subangular and includes macadam, limestone and slag).		
1.00	ES4		↓	171.24		1.20	Firm brown slightly sandy slightly gravelly CLAY with occasional gravel bands. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone.	
1.00-1.20	J5 B6			(1.80)		at c.2.50m BGL ... clay is of low plasticity.		
1.20-1.65	SJ7	N21						
1.20-1.65								
1.70	ES9		↓	169.44		3.00	Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and include sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.	
2.00-2.45	U*10	(30)		(0.80)				
2.50-2.95	B12		↓	168.64		3.80	Extremely weak grey MUDSTONE distinctly weathered. (Recovered as a clayey gravel. Gravel is fine to medium angular).	
2.50-2.95	SJ11	N45		(1.20)				
3.00	ES13		↓	167.44		5.00	Terminated at 5.00m BGL - due to encountering probable rockhead.	
3.50-3.95	U*14	(50)						
4.00-4.45	B16		↓					
4.00-4.45	SJ15	N64						
4.50-4.95	B18		↓					
4.50-4.95	SJ17	100/185mm						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00	0.00	150		4.70 - 5.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.80m - water level rose to 2.42m BGL (20mins). (4) 50mm diameter slotted standpipe installed between 2.00-4.00m BGL.
23/02/2021	3.00	2.80	150	Damp				
24/02/2021	3.00	2.80	150	Dry				
24/02/2021	5.00	4.30	150	2.56				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC009</b>	
Client: AMEY OW Limited		Location: E:413293.921 N:510114.307	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 173.519	Start Date: 24/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description							
0.20	ES1	38 (21)kPa		173.02		0.50	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.							
0.20	J2					1.80	171.72			at c.0.20m BGL ... clay is of low to intermediate plasticity.				
0.20-0.50	B3									1.30		Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.		
0.60-1.00	B6											1.00		at c.1.00m BGL ... clay is of low plasticity.
0.60	HSV													Extremely weak grey MUDSTONE distinctly weathered. (Recovered as a clayey gravel. Gravel is fine to medium angular).
1.00	ES4	N32				2.50	at c.4.00m BGL ... clay is of low plasticity.							
1.00	J5													
1.20-1.65	B8	N49				2.00-2.45	Boring complete at 4.50m BGL - continued by rotary drilling.							
1.20-1.65	SJ7													
2.00-2.45	B10	100/280mm				3.00-3.45								
2.00-2.45	SJ9													
2.50	ES11	100/280mm				4.00-4.45								
3.00-3.45	B13													
3.00-3.45	SJ12													
4.00-4.45	SJ14													

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
24/02/2021	0.00	0.00	150		3.60 - 4.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.00m BGL. (4) Driller notes borehole making water from 7.50m BGL.
24/02/2021	2.50	2.30	150	Dry				
25/02/2021	2.50	2.30	150	1.02				
25/02/2021	4.50	3.80	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC009</b>	
Client: AMEY OW Limited		Location: E:413293.921 N:510114.307	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 173.519	Start Date: 24/02/2021
			Sheet: 1 of 3

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
4.50 (92mm)	0 (0) 0	NR	↓	169.02		4.50	4.50-5.50m ... no recovery.	Weak to moderately weak grey MUDSTONE partially weathered. Becoming fossiliferous with depth.	
5.00 (92mm)	0 (0) 0								
5.50 (92mm)	100 (0) 0	NI					5.50-6.10m ... non-intact.		
6.00 (92mm)	100 (93) 27	10					6.10-9.00m ... subhorizontal and subvertical (10-15 and 80 degrees) closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.		
7.50 (92mm)	100 (100) 40					(6.00)			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
03/03/2021	4.50	4.50	Dry	5.00	S	N59	4.50 - 5.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.00m BGL. (4) Driller notes borehole making water from 7.50m BGL.
				5.50	S	50/47mm	5.00 - 5.50	Air/Mist	100	
							5.50 - 6.00	Air/Mist	100	
							6.00 - 7.50	Air/Mist	100	
							7.50 - 9.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC009</b>	
Client: AMEY OW Limited		Location: E:413293.921 N:510114.307	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 173.519	Start Date: 24/02/2021
		Sheet: 2 of 3	

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
9.00	100 (87) 40	NI		163.02		9.00-9.20m ... non-intact.  9.20-10.50m ... subhorizontal (10-15 degrees) closely spaced planar rough undulating smooth and rough open and tight clean discontinuities.	Weak to moderately weak grey MUDSTONE partially weathered. Becoming fossiliferous with depth. (continued)		
(92mm)		11				10.50		Complete at 10.50m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
03/03/2021	10.50	4.50	6.97				9.00 - 10.50	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.00m BGL. (4) Driller notes borehole making water from 7.50m BGL.

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC009	
Client: AMEY OW Limited	Location: E:413293.921 N:510114.307		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 173.519	Start Date: 24/02/2021	Sheet: 3 of 3

Figure BH SBC009.1  
BH SBC009 - 4.50-7.50m BGL



Figure BH SBC009.2  
BH SBC009 - 7.50-10.50m BGL





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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC010</b>	
Client: AMEY OW Limited		Location: E:413370.787 N:510049.544	
Method (Equipment): Cable Percussion (Dando 3000)		Ground Level (m): 171.707	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05	J1			171.56		0.15	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular and includes sandstone and mudstone).	
0.05-0.15	B2					(1.35)	Firm and friable brown grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. at c.0.25m BGL ... clay is of high plasticity.	
0.20	ES3					(0.70)	Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes limestone and mudstone and sandstone. at c.1.50m BGL ... high strength.	
0.25	J4					(0.80)	Stiff grey slightly sandy slightly gravelly CLAY with medium cobble content and some sand pockets. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.2.30m BGL ... clay is of low plasticity.	
0.25-0.50	B5						Terminated at 3.00m BGL - due to an obstruction.	
0.90	J6							
1.00	ES7							
1.50-1.95	U8	(32)		170.21		1.50	Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes limestone and mudstone and sandstone. at c.1.50m BGL ... high strength.	
1.80	J9					(0.70)	Stiff grey slightly sandy slightly gravelly CLAY with medium cobble content and some sand pockets. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.2.30m BGL ... clay is of low plasticity.	
2.00	J10			169.51		2.20	Stiff grey slightly sandy slightly gravelly CLAY with medium cobble content and some sand pockets. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.2.30m BGL ... clay is of low plasticity.	
2.30	SJ11	N22		168.71		3.00	Stiff grey slightly sandy slightly gravelly CLAY with medium cobble content and some sand pockets. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.2.30m BGL ... clay is of low plasticity.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Relocated to BH SBC010.
23/02/2021	3.00	2.70		Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC010A</b>	
Client: AMEY OW Limited		Location: E:413370.787 N:510049.544	
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 171.707	Start Date: 23/02/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA				Instrument/ Backfill	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Description
				171.56		0.15	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular and includes sandstone and mudstone).	
						(1.35)	Firm and friable brown grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone.	
				170.21		1.50	Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes limestone and mudstone and sandstone.	
						(0.70)		
				169.51		2.20	Stiff grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders).	
2.65	EW4					(2.10)	at c.3.70m BGL ... clay is of low plasticity.	
3.00	J1							
3.10	U*	(75)						
3.70-4.20	B3	N20						
3.70-4.15	SJ2							
4.30-4.70	B5			167.41		4.30	Medium dense brown sandy GRAVEL with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subrounded and include sandstone and limestone.	
4.50	J6							
4.70-5.20	B8	N18				(4.40)		
4.70-5.15	SJ7							
5.70	SJ9	50/205mm		166.01		5.70	Extremely weak grey MUDSTONE distinctly weathered. (Recovered as a very clayey gravel. Gravel is fine to medium angular).	
				165.71		6.00	Terminated at 6.00m BGL - due to encountering artesian water.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00	0.00	150		3.35 - 3.65	0:45		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 4.30m - water level rose to 2.65m BGL (20mins). (4) Water level at start of shift (6.00m BGL) 24/02/2021 - artesian water conditions at 0.40m AGL.
23/02/2021	6.00	5.70	150	0.30	5.30 - 5.70	0:45		
24/02/2021	6.00	5.70	150	0.40m AGL				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC011</b>	
Client: AMEY OW Limited	Location: E:413798.668 N:509764.533		
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 169.007	Start Date: 25/02/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05 0.05-0.25 0.20 0.25-0.50 0.30	J1 B2 ES3 B4 J5			168.76		0.25	Soft friable brown sandy CLAY with many rootlets. Sand is fine to medium.	
1.00 1.00 1.20-1.70	ES6 J7 U*B8	(17)		168.11		0.90	Firm friable yellow brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. at c.0.30m BGL ... clay is of intermediate plasticity.	
2.00	J9			167.71		1.30	Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and include sandstone and mudstone.	
2.30-2.80 2.30-2.75	B11 SJ10	N39					Firm becoming stiff brown and grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes mudstone, sandstone and limestone. Cobbles are subrounded and include limestone. (Driller notes boulders).	
3.10 3.30-3.75	J12 U13	(60)					at c.3.30m BGL ... very low strength.	
3.65	J14							
4.00	J15							
4.30-4.80 4.30-4.75	B17 SJ16	N26				6.70		
5.10 5.40-6.20	J18 B19						at c.5.10m BGL ... clay is of intermediate plasticity.	
6.20-6.65	U20	(75)						
6.65	J21							
7.00	J22							
7.40 7.50-7.95	J23 SJ24	N47						
				161.01		8.00		

Complete at 8.00m BGL.

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
25/02/2021	0.00	0.00	150		3.20 - 4.00	0:45	1.20 - 8.00	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 2.50m BGL.
25/02/2021	8.00	6.00	150	Dry	5.60 - 6.00	1:00		

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC012</b>	
Client: AMEY OW Limited		Location: E:413958.395 N:509648.592	
Method (Equipment): Cable Percussion (Dando 3000)		Ground Level (m): 169.334	Start Date: 24/02/2021
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA				Instrument/ Backfill	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Description
0.05	J1			169.08		0.25	Brown friable sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.05-0.25	B2							
0.20	ES3							
0.25-0.50	B4			168.73		0.60	Firm and friable brown slightly sandy CLAY. Sand is fine to medium.	
0.30	J5			168.63		0.70		
0.45	J6							
0.70-1.00	B7					(0.80)	Firm and friable brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes limestone and sandstone.	
0.80	J8							
1.00	ES9							
1.30-1.75	U10	(27)		167.83		1.50	Firm to stiff grey brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone, mudstone and limestone.	
1.45	J11			167.53		1.80	at c.1.30m BGL ... high strength.	
2.00	J12					(0.40)	Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.	
2.20	J13							
2.30-2.80	B15	N21						
2.30-2.75	SJ14							
2.40	ES16							
3.00	J17							
3.40	ES20						Firm becoming stiff grey brown slightly sandy slightly gravelly CLAY with cobble noted. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders).	
4.00	J21							
4.20-4.65	S	N26						
4.50-4.70	B22							
5.00	J23							
5.20-5.65	U*B24	(50)						
5.40	ES25							
5.80	J26							
5.90-6.35	U27	(60)						
6.35	J28					(8.60)	at c.6.35m BGL ... clay is of low plasticity. Silt lenses/bands noted.	
6.90	J29							
7.40	ES30							
7.60-8.10	B32							
7.60-8.05	SJ31	N31					at c.7.60m BGL ... clay is of low plasticity.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
26/02/2021	0.00	0.00	150		5.30 - 5.70	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water seepage at 7.60m BGL.
26/02/2021	3.60	3.10	150	Dry	7.60 - 7.85	0:45		
01/03/2021	3.60	3.10	150	3.5				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC012</b>	
Client: AMEY OW Limited		Location: E:413958.395 N:509648.592	
Method (Equipment): Cable Percussion (Dando 3000)		Ground Level (m): 169.334	Start Date: 24/02/2021
		Sheet: 2 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.50	J33						Firm becoming stiff grey brown slightly sandy slightly gravelly CLAY with cobble noted. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders). (continued) at c.9.00m BGL ... high strength.	
8.90 9.00-9.45	ES34 U35	(80)						
9.50	J36							
10.00	J37							
10.40-10.85	SJ38	N14						
				158.53		10.80		
				158.33		11.00	(1) OBSTRUCTION. Terminated at 11.00m BGL - due to cobble/boulder obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
01/03/2021	10.80	7.60	150	Dry	10.40 - 10.80	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water seepage at 7.60m BGL.
02/03/2021	10.80	7.60	150	Dry	10.80 - 11.00	1:00		
02/03/2021	11.00	7.60	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC013</b>	
Client: AMEY OW Limited		Location: E:414059.539 N:509543.602	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 163.634	Start Date: 08/03/2021
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20	ES1			163.23		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.50	B2					(1.10)	Friable becoming firm brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
0.70	J3							
1.20	ES4			162.13		1.50	Firm becoming stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes boulders).	
1.50-1.95	U5	(100)					at c. 1.50m BGL ... low strength.	
2.00	J6						at c. 2.50m BGL ... clay is of low plasticity.	
2.20	B7							
2.50-3.00	B9							
2.50-2.95	SJ8	N26						
3.10	ES10							
3.40	J11							
3.50-3.95	U12	(69)						
4.00	J13							
4.20	B14							
4.40	ES15							
4.50-5.00	B17							
4.50-4.95	SJ16	N23						
5.20	J18						at c. 5.20m BGL ... clay is of low plasticity.	
5.50-5.95	U19	(79)					at c. 5.50m BGL ... low strength.	
6.00	J20							
6.10	ES21					(9.50)		
6.40	B22							
6.70	J23							
7.00-7.50	B25							
7.00-7.45	SJ24	N34						
7.70	ES26							

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
08/03/2021	0.00	0.00	150				1.20 - 2.00	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 8.00m BGL.
08/03/2021	2.00	2.00	150	Dry			2.00 - 11.00	
09/03/2021	2.00	2.00	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC013</b>	
Client: AMEY OW Limited		Location: E:414059.539 N:509543.602	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 163.634	Start Date: 08/03/2021
		Sheet: 2 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.20	J27						Firm becoming stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes boulders). (continued)  at c.10.00m BGL ... clay is of low plasticity.	
8.50-8.95	U*B28	(100)						
9.00	J29							
9.20	ES34							
9.70	B30							
10.00-10.50	B32	N37						
10.00-10.45	SJ31							
10.70	ES33			152.63		11.00	Complete at 11.00m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
09/03/2021	11.00	11.00	150	Dry	11.00 - 11.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 8.00m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014</b>	
Client: AMEY OW Limited		Location: E:414176.684 N:509560.305	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 159.231	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
				158.93		0.30	Soft and friable very sandy CLAY with many rootlets. Sand is fine to medium. at c.0.30m BGL ... sandstone obstruction. <i>Terminated at 0.30m BGL - due to an obstruction.</i>	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00							(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Inspection pit extended to advance BH SBC014A.
23/02/2021	0.30			Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanan Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20	ES1	37 (19)kPa		158.63		0.30	Soft friable very sandy CLAY with many rootlets. Sand is fine to medium.	
0.40	B2			1.70		Firm brown yellow slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone and mudstone. (Driller notes boulders). at c.0.70m BGL ... clay is of intermediate plasticity.		
0.60	HSV							
0.70	J3							
1.20	ES4	(37)		156.93	2.00	Firm to stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders).		
1.50-1.95	U5							
2.00	J6	N17				at c.3.50m BGL ... high strength.		
2.20	B7							
2.50-3.00	B9							
2.50-2.95	SJ8							
3.20	J10	(41)				at c.4.50m BGL ... clay is of high plasticity.		
3.50-3.95	U11							
4.00	J12							
4.20	B13	(63)				at c.5.50m BGL ... high strength.		
4.50-5.00	B15							
4.50-4.95	SJ14							
5.20	J16							
5.50-5.95	U17	N17				at c.7.00m BGL ... clay is of low plasticity.		
6.00	J18							
6.20	B19							
6.70	J20					Boring complete at 7.20m BGL - continued by rotary drilling.		
7.00	SJ21							
				151.73		7.20		

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
23/02/2021	0.00	0.00	150		7.20 - 7.20	1:00	1.20 - 5.50	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 19.50m BGL. (4) 19mm diameter standpipe piezometer installed to 14.00m BGL.
23/02/2021	5.50	5.50	150	Dry			5.50 - 7.20	
24/02/2021	5.50	5.50	150	Dry				
24/02/2021	7.20	7.20	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
			Sheet: 1 of 8

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
7.20	13 (0) 0	SOIL		151.73		7.20	7.20-16.80m ... soil.	Soft to firm dark grey slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and include sandstone, limestone and mudstone.	
8.60	47 (0) 0								
10.10	7 (0) 0								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
08/03/2021	7.20	7.20	5.60	8.60	S	N34	7.20 - 8.60	Air/Mist	100	
				10.10	S	N41	8.60 - 10.10	Air/Mist	100	
							10.10 - 11.60	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
		Sheet: 2 of 8	

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
11.60	0 (0) 0					(8.30)		Soft to firm dark grey slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and include sandstone, limestone and mudstone. (continued)	
13.10	100 (0) 0								
13.60	47 (0) 0								
15.10	100								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
08/03/2021	11.60	11.30	Dry	11.60	S	N38	11.60 - 13.10	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 19.50m BGL. (4) 19mm diameter standpipe piezometer installed to 14.00m BGL.
09/03/2021	11.60	11.30	Dry	13.10	S	59/75mm	13.10 - 13.60	Air/Mist	100	
				15.10	S	50/172mm	13.60 - 15.10	Air/Mist	100	
							15.10 - 15.30	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
			Sheet: 3 of 8

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
15.30 (92mm)	(0) 0			143.43		15.50		15.30m ... very high strength.	[Patterned Backfill]
(92mm)	100 (0) 0					(1.30)		Firm to stiff brown slightly sandy gravelly CLAY with cobbles noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and include sandstone, limestone and mudstone. Cobbles are subangular to subrounded and include sandstone, limestone and mudstone.	
16.30 (92mm)	100 (0) 0					16.80		16.80-16.90m ... non-intact. 16.90-17.00m ... 1No. oblique (45 degrees) planar smooth moderately open stained (iron) discontinuity. 16.90-17.40m ... horizontal (0-5 degrees) medium spaced planar smooth moderately open clean discontinuities.	[Patterned Backfill]
16.80 (92mm)	67 (53) 53	NI 4		142.13				17.40-17.50m ... non-intact. 17.50-17.70m ... oblique (45 degrees) closely spaced planar smooth moderately open stained (red iron) discontinuities.	
		NI 8						17.70-17.80m ... non-intact. 17.80-18.30m ... no recovery.	
18.30 (92mm)	40 (0) 0	NI NR				(3.00)		18.30-18.90m ... non-intact.  18.90-19.80m ... no recovery.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
				16.80	S	46/225mm	15.30 - 16.30	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 19.50m BGL. (4) 19mm diameter standpipe piezometer installed to 14.00m BGL.
				18.30	S	N50	16.30 - 16.80	Air/Mist	100	
							16.80 - 18.30	Air/Mist	100	
							18.30 - 19.80	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
		Sheet: 4 of 8	

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
19.80			↓	139.13		19.80		Very weak to weak orange fine to medium grained clayey SANDSTONE partially weathered. (continued)	
21.30	67 (27) 13	NI 15				19.80-19.90m ... non-intact.		Very weak to weak orange fine to medium grained SANDSTONE distinctly weathered with thin interlamination to thin interbeds of light grey siltstone.	
						19.90-20.80m ... horizontal (0-5 degrees) closely spaced planar rough and smooth tight to moderately open clean stained (iron) and infilled (gravel) discontinuities.			
						20.00-20.30m ... 3 No. vertical (85-90 degrees) medium spaced undulating rough moderately open stained (iron oxide) discontinuities.			
						20.50-20.60m ... non-intact.			
22.80	67 (40) 40	NI 8				20.80-20.90m ... non-intact.		Extremely weak thinly laminated dark grey MUDSTONE residual.	
						20.90-21.30m ... no recovery.			
						21.30-21.60m ... non-intact.			
						21.60-22.20m ... horizontal (0-5 degrees) closely spaced undulating smooth and rough moderately open clean discontinuities.			
22.80	67 (53) 53	NI 3				22.20-22.30m ... non-intact.			
						22.30-22.80m ... no recovery.			
						22.80-23.00m ... non-intact.			
						23.00-23.80m ... horizontal (0-5 degrees) medium spaced undulating rough moderately open clean and infilled (gravel) discontinuities.			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
09/03/2021	22.80	16.00	19.10	19.30	S	63/225mm	19.80 - 21.30	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 19.50m BGL. (4) 19mm diameter standpipe piezometer installed to 14.00m BGL.
10/03/2021	22.80	16.00	18.70	22.80	C	50/100mm	21.30 - 22.80	Air/Mist	100	
							22.80 - 24.30	Air/Mist	100	

All dimensions in metres Scale 1:25.00

For explanation of symbols and abbreviations see Key Sheets

Logged by: D. Portsmouth

Contract No. **4322A**



# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC014A</b>	
Client: AMEY OW Limited		Location: E:414178.810 N:509559.834	
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)		Ground Level (m): 158.931	Start Date: 23/02/2021
		Sheet: 5 of 8	

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
24.30		NR		134.63		24.30	23.80-24.30m ... no recovery.	Extremely weak thinly laminated dark grey MUDSTONE residual. (continued)	
	100 (23) 23	NI					24.30-24.70m ... non-intact.	Very weak orange fine to medium grained SANDSTONE distinctly weathered.	
		10				(0.75)	24.70-25.05m ... horizontal (0-5 degrees) closely spaced planar rough moderately open stained (red iron) discontinuities. 24.70-25.05m ... vertical (85-90 degrees) closely spaced planar smooth moderately open stained (iron oxide) discontinuities.	Extremely weak interlaminated dark grey slightly clayey MUDSTONE and very weak light grey SILTSTONE distinctly weathered to residual.	
		14		133.88		25.05	25.05-25.60m ... horizontal (0-5 degrees) closely spaced planar and undulating rough tight and moderately open clean and infilled (clay) discontinuities. 25.30-25.40m ... 2No. oblique (60 degrees) undulating rough tight clean discontinuities.		
				133.33		25.60		Complete at 25.60m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
10/03/2021	25.60	16.00	18.70				24.30 - 25.60	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 19.50m BGL. (4) 19mm diameter standpipe piezometer installed to 14.00m BGL.

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC014A	
Client: AMEY OW Limited	Location: E:414178.810 N:509559.834		Sheet: 6 of 8
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.931	Start Date: 23/02/2021	

Figure BH SBC014A.1  
BH SBC014A - 7.10-13.60m BGL



Figure BH SBC014A.2  
BH SBC014A - 13.60-16.30m BGL







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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC014A	
Client: AMEY OW Limited	Location: E:414178.810 N:509559.834		Sheet: 7 of 8
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.931	Start Date: 23/02/2021	

Figure BH SBC014A.3  
BH SBC014A - 16.30-18.30m BGL



Figure BH SBC014A.4  
BH SBC014A - 18.30-21.30m BGL







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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC014A	
Client: AMEY OW Limited	Location: E:414178.810 N:509559.834		Sheet: 8 of 8
Method (Equipment): Percussion/Coring (Dando 2000/Boart Longyear DB520)	Ground Level (m): 158.931	Start Date: 23/02/2021	

Figure BH SBC014A.5  
BH SBC014A - 21.30-24.30m BGL



Figure BH SBC014A.6  
BH SBC014A - 24.30-25.60m BGL





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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC015</b>	
Client: AMEY OW Limited		Location: E:414191.420 N:509519.893	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 156.793	Start Date: 25/02/2021
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	
0.20	ES1			156.49		0.30	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.
0.40	B2						
0.70	J3						Friable becoming firm brown slightly sandy gravelly CLAY with low cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include limestone and sandstone.
1.20	ES4						
1.50-1.95	CB5	N12				(2.70)	
2.20	ES6						Firm brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone and limestone. Cobbles are subrounded and include limestone and sandstone. at c.3.50m BGL ... medium strength.
2.40	J7						
2.50-2.95	CB8	N15		153.79		3.00	
3.20	J9						Firm to stiff brown and grey slightly sandy slightly gravelly CLAY with medium to high cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.7.00m BGL ... medium strength.
3.50-3.95	U10	(100)					
4.00	J11					(2.20)	
4.20	B12						
4.50-5.00	B14						Firm to stiff brown and grey slightly sandy slightly gravelly CLAY with medium to high cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). at c.7.00m BGL ... medium strength.
4.50-4.95	SJ13	N22					
5.20	J15			151.59		5.20	
5.50-6.00	B17						
5.50-5.95	SJ16	N22					
6.20	J18						
6.70	B19						
7.00-7.45	U20	(100)					
7.50	J21						
7.70	B22						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
25/02/2021	0.00	0.00	150		2.20 - 2.30	0:30	3.00 - 5.20	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
25/02/2021	5.20	5.20	150	Dry			6.00 - 16.00	
01/03/2021	5.20	5.20	150	2.80				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	by: [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC015</b>	
Client: AMEY OW Limited		Location: E:414191.420 N:509519.893	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 156.793	Start Date: 25/02/2021
		Sheet: 2 of 3	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.20	J23						Firm to stiff brown and grey slightly sandy slightly gravelly CLAY with medium to high cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). <i>(continued)</i>	
8.50-9.00	B25	N33						
8.50-8.95	SJ24							
9.20	J26							
9.70	B27							
10.00-10.45	U28	(100)				at c.10.00m BGL ... high strength.		
10.50	J29							
10.70	B30							
11.00	J31							
11.50-12.00	B33	N22				(12.90)		
11.50-11.95	SJ32							
12.20	J34							
12.20	B35							
13.00-13.50	B37	50/171mm						
13.00-13.45	SJ36							
13.70	J38					at c.13.70m BGL ... clay is of low plasticity.		
14.20	B39							
14.50-15.00	B41	N44						
14.50-14.95	SJ40							
15.20	J42							
15.70	B43							

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
01/03/2021	16.00	16.00	150	Dry				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
02/03/2021	16.00	16.00	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Che [redacted] by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC015</b>	
Client: AMEY OW Limited		Location: E:414191.420 N:509519.893	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 156.793	Start Date: 25/02/2021
			Sheet: 3 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
16.00-16.50 16.00-16.45	B45 SJ44	N40					Firm to stiff brown and grey slightly sandy slightly gravelly CLAY with medium to high cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders). (continued) at c.16.00m BGL ... clay is of intermediate plasticity.	
16.70	J46							
17.20	B47							
17.50-18.00 17.50-17.95	B49 SJ48	50/225mm						
18.00	SJ50	50/31mm		138.69		18.10	Boring complete at 18.10m BGL - continued by rotary drilling.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
02/03/2021	18.00	16.00	150	11.00	16.80 - 16.90	0:45		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
03/03/2021	18.00	16.00	150	14.30	17.10 - 17.30	0:30		
03/03/2021	18.10	18.00	150	14.30	17.90 - 18.00 18.00 - 18.10	0:30 1:00		

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC015</b>	
Client: AMEY OW Limited		Location: E:414191.420 N:509519.893	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 156.793	Start Date: 25/02/2021
		Sheet: 1 of 3	

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
18.10	40 (0) 0			138.69		18.10	18.10-22.50m ... soil.	Stiff grey brown slightly sandy slightly gravelly CLAY with high cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and limestone. Cobbles are subrounded and include limestone.	
19.00	20 (0) 0								
20.00	20 (0) 0					(4.40)			
21.00	20 (0) 0								
22.00	0								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
04/03/2021	18.10	18.00	6.97	19.00	C	50/47mm	18.10 - 19.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
				20.00	C	N42	19.00 - 20.00	Air/Mist	100	
				21.00	C	N50	20.00 - 21.00	Air/Mist	100	
				22.00	C	N28	21.00 - 22.00	Air/Mist	100	
							22.00 - 22.50	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED] :	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC015</b>	
Client: AMEY OW Limited		Location: E:414191.420 N:509519.893	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 156.793	Start Date: 25/02/2021
		Sheet: 2 of 3	

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
22.50	(0) 0			134.29		22.50			
23.50	20 (0) 0	NR		133.49		23.30	22.50-23.30m ... no recovery.	(1) MUDSTONE, LIMESTONE.	
24.00	100 (20) 0	NI				23.30	23.30-23.90m ... non-intact.	Medium strong yellow grey LIMESTONE partially weathered.	
	100 (100) 75	7				25.00	23.90-25.00m ... subhorizontal (10-20 degrees) closely spaced planar rough undulating smooth and rough open clean stained (iron) discontinuities.		
				131.79		25.00		Complete at 25.00m BGL.	

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
04/03/2021	25.00	23.00	9.86				22.50 - 23.50	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
							23.50 - 24.00	Air/Mist	100	
							24.00 - 25.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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Regional Office: Unit 20 Business Development Centre, Eaman Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. BH SBC015	
Client: AMEY OW Limited	Location: E:414191.420 N:509519.893		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 156.793	Start Date: 25/02/2021	Sheet: 3 of 3

Figure BH SBC015.1  
BH SBC015 - 18.00-24.00m BGL



Figure BH SBC015.2  
BH SBC015 - 24.00-25.00m BGL







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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC016</b>	
Client: AMEY OW Limited		Location: E:414226.468 N:509613.037	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 158.127	Start Date: 05/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.30	ES1			157.73		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.50	B2						Friable becoming firm brown yellow slightly sandy gravelly CLAY with low cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include limestone and sandstone.	
0.70	J3						at c.0.50m BGL ... clayey very sandy gravel with high cobble content.	
1.20	ES4					(2.00)	at c.0.70m BGL ... clay is of low plasticity.	
1.50-1.95	CB5	N18						
2.20	ES6			155.73		2.40	Firm to stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone.	
2.40	J7							
2.50-2.95	CB8	N16						
3.10	J9							
3.20	B10							
3.50-3.95	SJ11	N23						
4.50	J12						at c.4.50m BGL ... clay is of low plasticity.	
4.50-4.95	SJ13	N23				(4.60)		
5.20	J14							
5.50-5.95	U15	(64)					at c.5.50m BGL ... low strength.	
6.00	J16							
6.20	B17							
6.70	J18			151.13		7.00	Terminated at 7.00m BGL - due to cobble/boulder obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
05/03/2021	0.00	0.00	150		7.00 - 7.00	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.00m BGL.
05/03/2021	7.00	7.00	150	5.20				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W.</i>	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC017</b>	
Client: AMEY OW Limited		Location: E:414299.965 N:509465.967	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 151.483	Start Date: 04/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20	ES1			151.08		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.50	B2					(0.80)	Friable becoming firm brown slightly sandy gravelly CLAY with low cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include limestone and sandstone.	
0.70	J3						at c.0.70m BGL ... clay is of intermediate plasticity.	
1.20	ES4			150.28		1.20	Firm brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone.	
1.50-1.95	J5							
1.50-2.00	B6	N12						
1.50								
2.20	J7							
2.50-2.95	U8	(72)						
3.00	J9							
3.20	B10							
3.50-3.95	J11						at c.3.50m BGL ... clay is of low plasticity.	
3.50-4.00	B12	N23						
3.50								
4.20	J13							
4.50-4.95	U14	(78)				(6.80)	at c.4.50m BGL ... high strength.	
5.00	J15							
5.20	B16							
5.50-5.95	J17							
5.50-6.00	B18	N26						
5.50								
6.20	J19							
6.70	B20							
7.00-7.45	U21	(80)						
7.50	J22							
				143.48		8.00		

Terminated at 8.00m BGL - due to cobble/boulder obstruction.

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
04/03/2021	0.00	0.00	150				1.20 - 8.00	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 3.00m BGL.
04/03/2021	8.00	8.00	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4322A
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC018</b>	
Client: AMEY OW Limited		Location: E:414581.986 N:509451.486	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 153.639	Start Date: 08/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20 0.30	ES1 B2			153.24		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.80	J3					(1.10)	Friable becoming firm brown yellow slightly sandy gravelly CLAY with low cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and include sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include limestone and sandstone. at c.0.80m BGL ... clay is of intermediate plasticity.	
1.20	ES4			152.14		1.50	Firm to stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone.	
1.50-2.00 1.50-1.95	B6 SJ5	N19				(2.00)	at c.1.50m BGL ... very clayey sandy gravel with medium cobble content. Clay fines are of low plasticity.	
2.20	ES7							
2.40 2.50-2.95	J8 CB9	N20						
3.20	J10							
3.50	SJ11	50/53mm		150.14		3.50	Terminated at 3.50m BGL - due to cobble/boulder obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
08/02/2021	0.00	0.00	150		3.50 - 3.50	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 2.50m BGL.
08/02/2021	3.50	3.50	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC019</b>	
Client: AMEY OW Limited		Location: E:415150.058 N:509205.044	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 141.622	Start Date: 05/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.40	B3					(0.40)	Friable brown sandy slightly gravelly CLAY with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded of sandstone and limestone.	
0.20	ES1			141.22		0.40		
0.20	J2							
0.60	HSV	38 (21)kPa				(0.80)	Firm yellow brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular of sandstone and mudstone.	
1.00	ES4			140.42		1.20		
1.00	J5							
1.00-1.20	B6							
1.20-1.65	B8	N20						
1.20-1.65	SJ7							
2.00	U*9	(60)				(2.10)	Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular of sandstone and limestone. Cobbles are subrounded of limestone and sandstone. (Driller notes gravel bands) at c.1.20m BGL ... clay is of low plasticity.	
2.50	ES10							
2.50-2.95	B12	N19						
2.50-2.95	SJ11							
3.50-3.95	B14					(0.40)	(1) Driller notes COBBLE/BOULDER obstruction	
3.50-3.95	SJ13	N19		137.92		3.70		
4.50	U*15	(60)					Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes gravel bands).	
5.00-5.45	B17					(2.80)	at c.5.00m BGL ... clay is of low plasticity.	
5.00-5.45	SJ16	N20						
6.00-6.45	B19							
6.00-6.45	SJ18	N21		135.12		6.50		
Complete at 6.50m BGL.								

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
05/03/2021	0.00	0.00	150		3.30 - 3.50	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 3.50m BGL.
05/03/2021	3.50	3.30	150	Damp				
07/03/2021	3.50	3.30	150	Damp				
07/03/2021	6.50	6.30	150	Damp				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

<b>Project:</b> A66 North Trans Pennine Scheme C Section 9		<b>Exploratory Hole No.</b>	
<b>Client:</b> AMEY OW Limited		<b>Location:</b> E:415309.083 N:509026.222	
<b>Method (Equipment):</b> Cable Percussion (Dando 2000)		<b>Ground Level (m):</b> 148.393	<b>Start Date:</b> 07/03/2021
		<b>Sheet:</b> 1 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.30	B3		Water	148.09		0.30	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.20	ES1	37 (21)kPa		147.79		0.60	Firm yellow brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. at c.0.50m BGL ... clay is of intermediate plasticity.	
0.20	J2							
0.50	J4							
0.60	HSV							
1.00	ES5	N24		147.09		1.30	Firm grey orange mottled brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and limestone.	
1.00	J6							
1.00-1.20	B7							
1.20-1.65	B9							
1.20-1.65	SJ8							
2.00	U*10	(50)				(2.40)	Firm brown grey slightly sandy gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes gravel bands). at c.2.50m BGL ... clay is of low plasticity.	
2.50	ES11	N24						
2.50-2.95	B13							
2.50-2.95	SJ12							
3.50	U*14	(60)	144.69		3.70	Firm to stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and include sandstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes gravel bands).		
4.00	ES15	N33						
4.00-4.45	B17							
4.00-4.45	SJ16							
5.50	ES18	(50)						
5.50	U*19							
6.00-6.45	B21	N26			(4.80)	at c.6.00m BGL ... clay is of low plasticity.		
6.00-6.45	SJ20							
6.50	J22							
7.00	ES23	N32						
7.00-7.45	B25							
7.00-7.45	SJ24							

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
07/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC020</b>	
Client: AMEY OW Limited		Location: E:415309.083 N:509026.222		Sheet: 2 of 2
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 148.393	Start Date: 07/03/2021	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.00-8.45	B27	N30						
8.00-8.45	SJ26			139.89		8.50	Complete at 8.50m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
07/03/2021	8.50	7.80	150	6.88				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 5.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC021</b>	
Client: AMEY OW Limited		Location: E:415408.013 N:508988.822	
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 148.438	Start Date: 10/03/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05	J1						Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.05-0.20	B2			148.09		0.35		
0.20	ES3						Firm and friable brown orange mottled grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone and limestone. (Driller notes cobbles).	
0.35-0.50	B5			147.94		0.50		
0.45	J4						Firm becoming stiff grey brown slightly sandy slightly gravelly CLAY with cobble noted. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. Cobbles are subangular to subrounded and includes sandstone and limestone.	
0.50-0.80	B6							
0.60	J7						at c.2.00m BGL ... clay is of low plasticity.	
1.00	ES8							
1.20	U*	(60)					at c.3.00m BGL ... clay is of low plasticity.	
1.20-1.70	B9							
1.90	J10						at c.5.70m BGL ... clay is of low plasticity.	
2.00-2.50	B12	N28						
2.00-2.45	SJ11						at c.6.30m BGL ... medium strength.	
2.50	ES13							
3.00	J14						Complete at 8.00m BGL.	
3.20-3.65	U15	(40)						
3.70	J16						Complete at 8.00m BGL.	
4.00	ES17							
4.10	J18					(7.50)	Complete at 8.00m BGL.	
4.80-5.30	B20	N16						
4.80-5.25	SJ19						Complete at 8.00m BGL.	
5.50	ES21							
5.70	J22						Complete at 8.00m BGL.	
6.30-6.75	U23	(70)						
6.70	J24						Complete at 8.00m BGL.	
7.00	ES25							
7.10	J26						Complete at 8.00m BGL.	
7.50-8.00	B28	N38						
7.50-7.95	SJ27						Complete at 8.00m BGL.	
140.44						8.00		

Complete at 8.00m BGL.

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
10/03/2021	0.00	0.00	150				1.80 - 8.00	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 2.50m BGL.
10/03/2021	1.80	0.00	150	Dry				
11/03/2021	1.80	0.00	150	Dry				
11/03/2021	8.00	4.50	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC022</b>	
Client: AMEY OW Limited		Location: E:415492.715 N:508861.032	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 146.029	Start Date: 11/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.20	ES1		↓	145.63		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.		
0.50	B2								Friable becoming firm brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.
0.80	J3								
1.20	ES4								
1.50-2.00	B6	N19					(2.60)		at c.1.50m BGL ... clay is of low plasticity.
1.50-1.95	SJ5								
2.20	ES7								
2.40	J8	(100)							
2.50-2.95	U*B9								
3.00	J10				143.03		3.00		Firm becoming stiff brown grey slightly sandy slightly gravelly CLAY with cobbles noted. Sand is fine to medium. Gravel is fine to coarse subangular and include sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone.
3.20	B11								
3.50-4.00	B13	N25							
3.50-3.95	SJ12								
4.20	J14								at c.4.20m BGL ... clay is of low plasticity.
4.50-4.95	U15	(81)							at c.4.50m BGL ... medium strength.
5.00	J16								
5.70	J18					(5.00)			
6.00-6.50	B20	50/96mm							
6.00-6.45	SJ19								
6.20	B17								
6.70	J21								
7.20	B22								
7.50-7.95	U*B23	(100)							
				138.03		8.00			

Complete at 8.00m BGL.

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
11/03/2021	0.00	0.00	150				1.20 - 5.20	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 5.20m BGL. (4) 19mm diameter standpipe piezometer installed to 1.50m BGL.
11/03/2021	8.00	8.00	150	5.20				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Ch [redacted] by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC023</b>	
Client: AMEY OW Limited	Location: E:415595.673 N:508773.321		Sheet: 1 of 1
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 145.426	Start Date: 02/03/2021	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
				145.23		0.20	Friable brown sandy slightly gravelly CLAY with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.  Firm and friable orange brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone and mudstone.  Firm to stiff grey brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes limestone and sandstone. Cobbles are subrounded and include limestone and sandstone. (Driller notes boulders).  <i>Terminated at 1.20m BGL - due to boulder obstruction.</i>	
				144.83		0.60		
						0.60		
				144.23		1.20		

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
02/03/2021	0.00							(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Relocated to BH SBC023A.
02/03/2021	1.20							

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC023A</b>	
Client: AMEY OW Limited		Location: E:415595.532 N:508773.188	
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 145.359	Start Date: 02/03/2021	Sheet: 1 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05	J1			145.16		0.20	Friable brown sandy slightly gravelly CLAY with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.05-0.20	B2					(0.40)		
0.25	ES3						Firm and friable orange brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone and mudstone.	
0.30	J4			144.76		0.60		
0.30-0.55	B5						Firm to stiff grey brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes limestone and sandstone. Cobbles are subrounded and include limestone and sandstone. (Driller notes boulders). at c.1.20m BGL ... high strength.	
0.60-0.90	B6							
0.80	J7						at c.3.00m BGL ... clay is of low plasticity.	
1.00	ES8							
1.20-1.65	U9	(52)						
1.70	J10							
2.00	J11							
2.20-2.70	B13	N24						
2.20-2.65	SJ12							
2.30	EW30							
3.00	J14							
3.20-3.70	U*B15	(56)						
3.70-4.20	B16	N48						
3.70-4.15	S							
4.30-4.75	U17	(75)				(7.40)		
4.80	J18							
5.00	J19							
5.40-5.90	B20	N11						
5.40-5.45	S							
6.50	J21							
7.20-7.40	U*B22	(70)	↓	137.36		8.00		

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
02/03/2021	0.00	0.00	150		6.80 - 7.10	0:45		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike encountered when chiselling 7.40-7.80m BGL. (4) 19mm diameter standpipe piezometer installed to 8.50m BGL.
02/03/2021	2.20	2.10	150	Dry	7.40 - 7.75	0:45		
03/03/2021	2.20	2.10	150	Dry	8.00 - 9.10	2:30		

All dimensions in metres Scale 1:50.00  
 For explanation of symbols and abbreviations see Key Sheets  
 C [Redacted] y:  
 Logged by: D. Portsmouth  
 Contract No. **4322A**



# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC023A</b>	
Client: AMEY OW Limited	Location: E:415595.532 N:508773.188		
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 145.359	Start Date: 02/03/2021	Sheet: 2 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.00-8.70 8.00-9.20	S B23	50/62mm				(1.10) 9.10	Grey clayey slightly sandy GRAVEL and COBBLES. Gravel is fine to coarse subangular and includes limestone and sandstone. Cobbles are subangular and include sandstone and limestone.	
9.25 9.30-9.80 9.30-9.75	J24 B25 S	N31		136.26			Stiff grey brown slightly sandy gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders). at c.9.25m BGL ... clay is of low plasticity.	
10.70 10.70-11.20 10.70	J26 B28 S27	50/270mm						
11.50	J29							
12.40-12.85	U31	(100)					at c.12.40m BGL ... very high strength.	
12.75	J32					(7.70)		
13.30	J33							
14.00-14.30 14.00	B35 SJ34	50/230mm						
15.00 15.20	J36 U*B37	(70)					at c.15.00m BGL ... clay is of intermediate plasticity.	
15.70	S	50/110mm						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
03/03/2021	12.00	10.60	150	9.10	15.70 - 16.10	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike encountered when chiselling 7.40-7.80m BGL. (4) 19mm diameter standpipe piezometer installed to 8.50m BGL.
04/03/2021	12.00	10.60	150	2.30				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC023A</b>	
Client: AMEY OW Limited	Location: E:415595.532 N:508773.188		
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 145.359	Start Date: 02/03/2021	Sheet: 3 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
16.20	SJ38	50/210mm		128.56		16.80	Terminated at 16.80m BGL - due to cobble/boulder obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
04/03/2021	16.80	13.00	150	6.50	16.55 - 16.80	1:00		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike encountered when chiselling 7.40-7.80m BGL. (4) 19mm diameter standpipe piezometer installed to 8.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanan Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.20	ES1			145.50		(0.40) 0.40	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.60	B2			145.20		0.70	Friable becoming firm brown yellow mottled slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
0.80	J3						Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes boulders).	
1.20	ES4					(2.50)	at c.2.00m BGL ... clay is of low plasticity.	
1.50-1.95	U5	(69)						
2.00	J6							
2.20	B7							
2.40	ES8							
2.50-3.00	B10	N22						
2.50-2.95	SJ9							
3.20	J11			142.70		3.20	Firm becoming stiff brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone.	
3.50-3.95	U12	(100)					at c.3.20m BGL ... clay is of low plasticity. at c.3.50m BGL ... low strength.	
4.00	J13							
4.10	ES14							
4.40	B15							
4.50-5.00	B17	N25					at c.4.50m BGL ... clayey slightly sandy slightly gravelly silt.	
4.50-4.95	SJ16							
5.20	J18					(3.80)		
5.40	ES19							
5.50-6.00	U*B20	(100)						
6.20	J21							
6.70	ES22			138.90		7.00	at c.7.00m BGL ... cobble/boulder obstruction. <i>Boring complete at 7.00m BGL - continued by rotary drilling.</i>	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
10/03/2021	0.00	0.00	150		7.00 - 7.00	1:00	0.00 - 3.00	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.
10/03/2021	7.00	7.00	150	Damp				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D.P./J.M.	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eaman Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
		Sheet: 1 of 8	

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
7.00	30 (0) 0	SOIL		138.90		7.00	7.00-25.00m ... soil.	Firm and stiff dark grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (Driller notes boulders).	
8.00	30 (0) 0								
9.00	20 (0) 0								
10.00	50 (0) 0								
11.00									

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
11/03/2021	7.00	7.00	Dry	8.00	C	N31	7.00 - 8.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.
				9.00	C	N30	8.00 - 9.00	Air/Mist	100	
				10.00	C	N39	9.00 - 10.00	Air/Mist	100	
				11.00	C	50/7mm	10.00 - 11.00	Air/Mist	100	
							11.00 - 12.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D.P./J.M.	Contract No. <b>4322A</b>
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Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
		Sheet: 2 of 8	

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
12.00	60 (0) 0							Firm and stiff dark grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (Driller notes boulders). (continued)	
13.00	0 (0) 0								
14.00	50 (0) 0					(13.00)			
15.00	50 (0) 0								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
				12.00	C	N37	12.00 - 13.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.
				13.00	S	N32	13.00 - 14.00	Air/Mist	100	
				14.00	C	N43	14.00 - 15.00	Air/Mist	100	
				15.00	S	N38	15.00 - 16.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D.P./J.M.	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
		Sheet: 3 of 8	

RUN DETAILS				STRATA				Instrument/ Backfill		
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description			
							Discontinuity Detail		Main	
16.00	30 (0) 0		↓		[Symbolic representation of soil layers]		Firm and stiff dark grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (Driller notes boulders). <i>(continued)</i>		[Symbolic representation of backfill]	
17.00	50 (0) 0									
18.00	40 (0) 0									
19.00	30 (0) 0									

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
				16.00	C	N35	16.00 - 17.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.
				17.00	C	50/87mm	17.00 - 18.00	Air/Mist	100	
				18.00	S	50/86mm	18.00 - 19.00	Air/Mist	100	
				19.00	C	N34	19.00 - 20.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets		Logged by: D.P./J.M.	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
			Sheet: 4 of 8

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
20.00	40 (0) 0			125.90		20.00	Firm and stiff dark grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (Driller notes boulders). (continued)		
21.00	46 (0) 0						Firm and stiff dark brown slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone.		
22.00	60 (0) 0						22.00m ... very high strength.		
23.00	100 (0) 0					(5.00)			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
11/03/2021	20.00	10.00	16.03	20.00	S	N30	20.00 - 21.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.
12/03/2021	20.00	10.00	16.10	21.00	S	N32	21.00 - 22.00	Air/Mist	100	
				22.00	C	N31	22.00 - 23.00	Air/Mist	100	
				23.00	C	N39	23.00 - 24.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED] :	Logged by: D.P./J.M.	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited		Location: E:415588.616 N:508835.171	
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)		Ground Level (m): 145.897	Start Date: 10/03/2021
		Sheet: 5 of 8	

RUN DETAILS				STRATA						Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description			
							Discontinuity Detail	Main		
24.00	100 (0) 0						Firm and stiff dark brown slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (continued)			
	50 (0) 0			120.90		25.00				
							Complete at 25.00m BGL.			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
12/03/2021	25.00	10.00	18.46	24.00	S	N36	24.00 - 25.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 16.10m BGL. (4) 19mm diameter standpipe piezometer installed to 15.00m BGL.

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted] y:	Logged by: D.P./J.M.	Contract No. 4322A
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED



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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC024</b>
Client: AMEY OW Limited	Location: E:415588.616 N:508835.171		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 145.897	Start Date: 10/03/2021	Sheet: 6 of 8

**Figure BH SBC024.1**  
BH SBC024 - 7.00-11.00m BGL



**Figure BH SBC024.2**  
BH SBC024 - 11.00-15.00m BGL





# ALLIED EXPLORATION & GEOTECHNICS LIMITED



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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC024</b>	
Client: AMEY OW Limited	Location: E:415588.616 N:508835.171		Sheet: 7 of 8
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 145.897	Start Date: 10/03/2021	

**Figure BH SBC024.3**  
 BH SBC024 - 15.00-20.00m BGL



**Figure BH SBC024.4**  
 BH SBC024 - 20.00-23.00m BGL





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## DRILLHOLE RECORD

Status:-

**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC024</b>
Client: AMEY OW Limited	Location: E:415588.616 N:508835.171		
Method (Equipment): Percussion/Coring (Dando 2000/Comacchio GEO 205)	Ground Level (m): 145.897	Start Date: 10/03/2021	Sheet: 8 of 8

**Figure BH SBC024.5**  
**BH SBC024 - 23.00-25.00m BGL**





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.05	B2						Friable brown sandy slightly gravelly CLAY with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone. at c. 0.02m BGL ... clay is of high plasticity.	
0.02	J1			142.67		0.30		
0.05-0.20	B3							
0.10	J4			142.42		0.55		
0.20	ES5							
0.30-0.55	B6							
0.35	J7							
0.55-0.80	B8							
0.60	J9							
1.00	ES10							
1.30	U*B11	(40)						
1.80-2.30	B12							
2.00	J13							
2.30-2.80	B15	N17						
2.30-2.75	SJ14							
3.00	J16							
3.30-3.75	U17	(38)						
3.65	J18							
4.00	J19							
4.20-4.70	B20	N21						
4.20-4.65	S							
4.30	EW24							
5.00	J21							
5.00-5.80	B22							
5.80	U*B23	(100)						
6.60	J25							
6.70-7.20	B27	N39						
6.70-7.15	SJ26							
7.70	J28							
				134.97		8.00	Boring complete at 8.00m BGL - continued by rotary drilling.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
05/03/2021	0.00	0.00	150		6.10 - 6.30	1:00		
05/03/2021	6.10	6.10	150	Damp	7.80 - 8.00	0:45		
08/03/2021	6.10	6.10	150	4.30				
08/03/2021	8.00	6.90	150	Dry				

All dimensions in metres Scale 1:51.25	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED] :	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
		Sheet: 1 of 8	

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
8.00	100 (0) 0	SOIL		134.97		8.00	8.00-25.00m ... soil.	Firm dark grey slightly sandy gravelly CLAY with cobbles and boulders noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles and boulders are subangular to subrounded and include sandstone, mudstone and limestone.	
9.00	40 (0) 0								
10.00	50 (0) 0								
11.00	60 (0) 0								
12.00									

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
09/03/2021	8.00	8.00	Damp	9.00	C	N28	8.00 - 9.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 1.30m - water level rose to 1.20m BGL (20mins). (4) Water strike at 15.10m BGL. (5) 19mm diameter standpipe piezometer installed to 4.00m BGL.
				10.00	S	50/86mm	9.00 - 10.00	Air/Mist	100	
				11.00	C	N33	10.00 - 11.00	Air/Mist	100	
				11.00	Air/Mist		11.00 - 12.00	Air/Mist	100	
				12.00	S	N28	12.00 - 13.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00

For explanation of symbols and abbreviations see Key Sheets

Logged by: D. Portsmouth

Contract No. 4322A



# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
		Sheet: 2 of 8	

RUN DETAILS			STRATA					Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
13.00	40 (0) 0		↓			(13.00)	Firm dark grey slightly sandy gravelly CLAY with cobbles and boulders noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles and boulders are subangular to subrounded and include sandstone, mudstone and limestone. (continued)		
14.00	100 (0) 0								
15.00	70 (0) 0								
16.00	50 (0) 0								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
				13.00	C	N34	13.00 - 14.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 1.30m - water level rose to 1.20m BGL (20mins). (4) Water strike at 15.10m BGL. (5) 19mm diameter standpipe piezometer installed to 4.00m BGL.
				14.00	S	N30	14.00 - 15.00	Air/Mist	100	
				15.00	C	N40	15.00 - 16.00	Air/Mist	100	
				16.00	S	50/6mm	16.00 - 17.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED] :	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
		Sheet: 3 of 8	

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
17.00	90 (0) 0							Firm dark grey slightly sandy gravelly CLAY with cobbles and boulders noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles and boulders are subangular to subrounded and include sandstone, mudstone and limestone. <i>(continued)</i>	
18.00	50 (0) 0						17.00m ... extremely high strength.		
19.00	40 (0) 0								
20.00	30 (0) 0								

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
				17.00	S	N41	17.00 - 18.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 1.30m - water level rose to 1.20m BGL (20mins). (4) Water strike at 15.10m BGL. (5) 19mm diameter standpipe piezometer installed to 4.00m BGL.
				18.00	C	N39	18.00 - 19.00	Air/Mist	100	
				19.00	C	N45	19.00 - 20.00	Air/Mist	100	
				20.00	S	N32	20.00 - 21.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eaman Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
		Sheet: 4 of 8	

RUN DETAILS				STRATA					Instrument/ Backfill
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail	Main	
21.00	30 (0) 0			121.97		21.00	Firm dark grey slightly sandy gravelly CLAY with cobbles and boulders noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles and boulders are subangular to subrounded and include sandstone, mudstone and limestone. (continued)		
22.00	45 (0) 0						Firm to stiff brown slightly sandy gravelly CLAY with cobbles noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone.		
23.00	50 (0) 0								
24.00	40 (0) 0					4.00			

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
09/03/2021	21.00	8.40	Damp	21.00	S	N30	21.00 - 22.00	Air/Mist	100	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 1.30m - water level rose to 1.20m BGL (20mins). (4) Water strike at 15.10m BGL. (5) 19mm diameter standpipe piezometer installed to 4.00m BGL.
10/03/2021	21.00	8.40	18.12	22.00	C	N38	22.00 - 23.00	Air/Mist	100	
				23.00	C	N38	23.00 - 24.00	Air/Mist	100	
				24.00	C	N39	24.00 - 25.00	Air/Mist	100	

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited		Location: E:415672.321 N:508692.299	
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)		Ground Level (m): 142.968	Start Date: 05/03/2021
			Sheet: 5 of 8

RUN DETAILS				STRATA				Instrument/ Backfill	
Depth & (Core Ø)	TCR (SCR) RQD	Fracture Index	Water	Reduced Level	Legend	Depth (Thickness)	Description		
							Discontinuity Detail		Main
(Ø2mm)	70 (0) 0			117.97		25.00	Firm to stiff brown slightly sandy gravelly CLAY with cobbles noted. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes sandstone, mudstone and limestone. Cobbles are subangular to subrounded and include sandstone, mudstone and limestone. (continued)		
							Complete at 25.00m BGL.		

Drilling Progress and Water Observations				Standard Penetration Test			Flush			General Remarks
Date	Depth	Casing	Water Standing	Depth	Type	Result	From - To	Type	Returns (%)	
10/03/2021	25.00	8.40	20.96							(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 1.30m - water level rose to 1.20m BGL (20mins). (4) Water strike at 15.10m BGL. (5) 19mm diameter standpipe piezometer installed to 4.00m BGL.

All dimensions in metres Scale 1:25.00	For explanation of symbols and abbreviations see Key Sheets	:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project:	A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC025</b>			
Client:	AMEY OW Limited	Location:	E:415672.321 N:508692.299				
Method (Equipment):	Percussion/Coring (Dando 3000/Comacchio GEO 205)	Ground Level (m):	142.968	Start Date:	05/03/2021	Sheet:	6 of 8

**Figure BH SBC025.1**  
**BH SBC025 - 8.00-11.00m BGL**



**Figure BH SBC025.2**  
**BH SBC025 - 11.00-14.00m BGL**







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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project:	A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC025</b>			
Client:	AMEY OW Limited	Location:	E:415672.321 N:508692.299				
Method (Equipment):	Percussion/Coring (Dando 3000/Comacchio GEO 205)	Ground Level (m):	142.968	Start Date:	05/03/2021	Sheet:	7 of 8

**Figure BH SBC025.3**  
**BH SBC025 - 14.00-17.00m BGL**



**Figure BH SBC025.4**  
**BH SBC025 - 17.00-20.00m BGL**





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## DRILLHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC025</b>	
Client: AMEY OW Limited	Location: E:415672.321 N:508692.299		Sheet: 8 of 8
Method (Equipment): Percussion/Coring (Dando 3000/Comacchio GEO 205)	Ground Level (m): 142.968	Start Date: 05/03/2021	

**Figure BH SBC025.5**  
**BH SBC025 - 20.00-24.00m BGL**



**Figure BH SBC025.6**  
**BH SBC025 - 24.00-25.00m BGL**







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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC026</b>	
Client: AMEY OW Limited	Location: E:415642.362 N:508897.999		
Method (Equipment): Cable Percussion (Dando 3000)	Ground Level (m): 143.638	Start Date: 09/03/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05 0.05-0.20 0.20	J1 B2 ES3			143.44		0.20	MADE GROUND (Friable brown sandy slightly gravelly clay with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and include sandstone and limestone).	
0.50-0.80 0.60	B4 J5			143.14		0.50	MADE GROUND (Brown yellow cobbles and boulders. Cobbles are subangular and include sandstone. Boulders are angular and include sandstone).	
1.00 1.20-1.65	ES6 U7	(24)		142.44		1.20	Friable grey sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and include limestone and sandstone.	
1.55	J8						Firm becoming stiff grey brown slightly sandy gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and include limestone, mudstone and sandstone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders).	
2.00	J9						at c. 1.20m BGL ... high strength.	
2.30-2.80 2.30-2.75 2.50	B12 SJ10 ES11	N24					at c. 1.55m BGL ... clay is of low plasticity.	
2.85-3.30	B13						at c. 2.85m BGL ... very clayey very sandy gravel.	
3.40-3.90 3.40-3.85	B15 SJ14	N18						
4.00 4.10	ES16 J17						at c. 4.10m BGL ... clay is of low plasticity.	
4.30-4.75	U18	(66)					at c. 4.30m BGL ... high strength.	
4.75	J19							
5.00	J20							
5.30	S	50/110mm						
6.00 6.10-6.60 6.10-6.55	ES21 B23 SJ22	N30					at c. 6.10m BGL ... clay is of low plasticity.	
7.00	J24							
7.40 7.50-8.00 7.50-7.95	ES25 B27 SJ26	N23		135.64		8.00		

Complete at 8.00m BGL.

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
09/03/2021	0.00	0.00	150		2.85 - 3.20	0:45	1.20 - 4.80	(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 4.50m BGL.
09/03/2021	4.80	4.60	150	Dry	5.50 - 5.90	1:00	4.80 - 8.00	
10/03/2021	4.80	4.60	150	Dry				
10/03/2021	8.00	6.10	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC027</b>	
Client: AMEY OW Limited		Location: E:415722.683 N:508806.881	
Method (Equipment): Cable Percussion (Dando 3000)		Ground Level (m): 141.958	Start Date: 08/03/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05 0.05-0.20 0.20 0.20 0.20-0.35 0.50 0.50-0.70 1.00 1.10 1.20-1.30	J1 B2 ES3 J4 B5 J6 B7 ES8 J9 U*B10	(40)		141.46 140.96		(0.50) 0.50 (0.50) 1.00	<p>Friable brown sandy slightly gravelly clayey SILT with many rootlets. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.</p> <p>at c.0.05m BGL ... silt is of high to very high plasticity.</p> <p>Firm and friable orange brown sandy slightly gravelly CLAY with low cobble content. Sand is fine to medium. Gravel is fine to medium subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes boulders).</p> <p>at c.0.50m BGL ... clay is of intermediate plasticity.</p> <p>Firm becoming stiff grey brown slightly sandy gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular to subrounded and includes limestone, mudstone and sandstone. Cobbles are subangular to subrounded and include sandstone and limestone. (Driller notes boulders).</p> <p>at c.1.80m BGL ... clay is of low plasticity.</p>	
1.80 2.00-2.45 2.45 3.00 3.20-3.70 3.20-3.65	J11 U12 J13 J14 B16 SJ15	(80) N26					<p>at c.5.20m BGL ... clay is of low plasticity.</p>	
4.00 4.20-4.70 4.20-4.65	J17 B19 SJ18	N19				(6.00)		
5.00 5.20-5.45 5.45-6.00	J20 SJ21 B22	50/110mm						
6.00-6.45	S	50/170mm						
6.50 6.50-7.00	J23 B24							
7.00	C	50/18mm		134.96		7.00	Terminated at 7.00m BGL - due to an obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
08/03/2021	0.00	0.00	150		1.30 - 1.60	0:45	1.20 - 5.20	
08/03/2021	5.20	3.10	150	Dry	5.45 - 5.65	0:30	5.20 - 7.00	
09/03/2021	5.20	3.10	150	Dry	6.80 - 7.00	1:00		
09/03/2021	7.00	3.10	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4322A
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC028</b>	
Client: AMEY OW Limited		Location: E:415776.658 N:508658.211	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 146.972	Start Date: 02/03/2021
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.30	B3						Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	Instrument/Backfill
0.20	ES1			146.67		0.30		
0.20	J2					(0.60)	Firm yellow brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
0.90-1.20	B6			146.07		0.90		
1.00	ES4					(1.00)	Brown grey very clayey very gravelly SAND. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
1.00	J5							
1.10	J7							
1.20-1.65	B9	N22					at c.1.10m BGL ... clay fines are of low plasticity.	
1.20-1.65	SJ8			145.07		1.90		
2.00	U*10	(50)					Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobbles noted. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.	
2.50	ES11							
2.50-2.95	B13	N30						
2.50-2.95	SJ12							
3.50-3.95	U14	(70)					at c.3.50m BGL ... high strength.	
3.95	J15						at c.3.95m BGL ... clay is of low plasticity.	
4.50-4.95	B17							
4.50-4.95	SJ16	N33				(6.60)		
5.50-5.95	U18	(60)						
5.95	J19							
6.50	J20							
7.00-7.45	B22							
7.00-7.45	SJ21	N33						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
02/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9			Exploratory Hole No. <b>BH SBC028</b>	
Client: AMEY OW Limited		Location: E:415776.658 N:508658.211		
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 146.972	Start Date: 02/03/2021	Sheet: 2 of 2

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.00-8.45	U23	(75)					at c.8.00m BGL ... high strength.	
8.45	J24			138.47		8.50	Complete at 8.50m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
02/03/2021	8.50	8.30	150	Dry				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC029</b>	
Client: AMEY OW Limited		Location: E:415821.534 N:508545.109	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 150.166	Start Date: 03/03/2021
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.40	B3				○	(0.40)	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone. at c.0.20m BGL ... clay is of intermediate plasticity.	
0.20	ES1			149.77	○	0.40		
0.20	J2				○		Firm yellow brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
1.00	ES4			149.07	○	1.10		
1.00	J5				○		Firm brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. Cobbles are subrounded and include limestone and sandstone. (Driller notes gravel bands).	
1.00-1.20	B6				○			
1.20-1.65	B8	N16			○			
1.20-1.65	SJ7				○			
2.00	U*9	(50)			○			
2.50	ES10				○	(2.90)	Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands).	
2.50-2.95	B12	N19		○				
2.50-2.95	SJ11			○				
3.50	U*13	(50)		○				
4.00-4.45	B15			○	4.00	Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands).		
4.00-4.45	SJ14	N23		○				
5.00	U*16	(60)		○				
5.50-5.95	B18			○		Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands).		
5.50-5.95	SJ17	N23		○				
6.50	J19			○				
7.00	U*20	(60)		○	(6.50)			
7.50-7.95	B22			○		Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands).		
7.50-7.95	SJ21	N33		○				

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
03/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.50m - water level rose to 2.61m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 4.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C		Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC029</b>	
Client: AMEY OW Limited		Location: E:415821.534 N:508545.109	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 150.166	Start Date: 03/03/2021
		Sheet: 2 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.50	J23						Firm to stiff brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands). (continued)	
9.00-9.45 9.00-9.45	B25 SJ24	N43						
10.00-10.45 10.00-10.45	B27 SJ26	N48						
				139.67		10.50	Complete at 10.50m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
03/03/2021	10.50	9.80	150	5.04				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 3.50m - water level rose to 2.61m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 4.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC030</b>	
Client: AMEY OW Limited		Location: E:415947.189 N:508485.383	
Method (Equipment): Cable Percussion (Dando 2000)	Ground Level (m): 150.261	Start Date: 04/03/2021	Sheet: 1 of 2

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.00-0.40	B3					(0.40)	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.	
0.20	ES1			149.86		0.40		
0.20	J2			149.66		0.60	Soft to firm yellow brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.	
0.70	J4					(0.60)		
1.00	ES5			149.06		1.20	Soft to firm brown grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone. at c.0.70m BGL ... clay is of intermediate plasticity.	
1.00	J6							
1.00-1.20	B7							
1.20-1.65	B9	N29						
1.20-1.65	SJ8							
2.00	U*10	(20)					Firm brown slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.	
2.50	J11							
2.50-2.95	B13	N16				(3.80)	at c.2.50m BGL ... clay is of low plasticity. Sand pockets noted.	
2.50-2.95	SJ12							
3.50	U*14	(70)	↓					
4.00	ES15							
4.00-4.45	B17	N19						
4.00-4.45	SJ16							
5.00	U*18	(60)	↓	145.26		5.00	Firm becoming stiff dark brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands).	
5.50	ES19							
5.50-5.95	B21	N28						
5.50-5.95	SJ20							
6.50	J22							
7.00	ES23							
7.00	U*24	(70)						
7.50-7.95	B26							
7.50-7.95	SJ25	N32				(5.50)		

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
04/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 5.00m - water level rose to 3.64m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 3.00m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC030</b>	
Client: AMEY OW Limited		Location: E:415947.189 N:508485.383	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 150.261	Start Date: 04/03/2021
		Sheet: 2 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.50 8.50	ES27 J28						Firm becoming stiff dark brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (Driller notes gravel bands). (continued)	
9.00-9.45 9.00-9.45	B30 SJ29	N47						
10.00 10.00-10.45 10.00-10.45	ES31 B33 SJ32	N44		139.76		10.50	Complete at 10.50m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
04/03/2021	10.50	9.80	150	4.13				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Water strike at 5.00m - water level rose to 3.64m BGL (20mins). (4) 19mm diameter standpipe piezometer installed to 3.00m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC031</b>	
Client: AMEY OW Limited		Location: E:416167.109 N:508277.034	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 155.627	Start Date: 09/03/2021
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	
0.00-0.30	B3			155.33		0.30	Friable brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded and includes sandstone and limestone.
0.20	ES1					(0.70)	Soft to firm yellow brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.
0.20	J2			154.63		1.00	Firm brown grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone, mudstone and limestone.
1.00	ES4					(1.40)	at c.2.00m BGL ... medium strength.
1.00	J5			153.23		2.40	Firm brown slightly laminated slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine subangular and includes sandstone and mudstone.
1.00-1.20	B6					(2.30)	at c.3.00m BGL ... clay is of low plasticity.
1.20-1.65	B8	N18				4.70	Brown very clayey sandy GRAVEL. Sand is fine to medium. Gravel is fine to coarse subrounded and includes limestone and sandstone.
1.20-1.65	SJ7			150.93		5.40	Firm becoming stiff dark brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone.
2.00-2.45	U9	(75)					at c.6.00m BGL ... clay is of low plasticity.
2.45	J10					(70.70)	at c.6.50m BGL ... high strength.
2.50	ES11			150.23		5.40	
3.00-3.45	B13						
3.00-3.45	SJ12	N24					
4.00-4.45	U14	(65)					
4.45	J15						
5.00-5.45	B17						
5.00-5.45	SJ16	N28					
6.00	J18						
6.50-6.95	U19	(80)					
6.95	J20						
7.50	J21						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
09/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 6.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC031</b>	
Client: AMEY OW Limited	Location: E:416167.109 N:508277.034		
Method (Equipment): Cable Percussion (Dando 2000)	Ground Level (m): 155.627	Start Date: 09/03/2021	Sheet: 2 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.00-8.45 8.00-8.45	B23 SJ22	N23					Firm becoming stiff dark brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (continued)	
9.00	J24						at c.9.00m BGL ... clay is of low plasticity.	
9.50-9.95	U25	(80)						
9.95	J26							
10.50	J27							
11.00-11.45 11.00-11.45	B29 SJ28	N25				(11.60)		
12.00	J30						at c.12.00m BGL ... clay is of low plasticity.	
12.50-12.95	U31	(80)					at c.12.50m BGL ... high strength. from c.12.50m BGL ... driller notes gravel bands.	
12.95	J32							
13.50	J33							
14.00-14.45 14.00-14.45	B35 SJ34	N20						
15.00	J36							
15.50	U*37	(60)						

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
09/03/2021	12.00	11.80	150	Dry				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 6.50m BGL.
10/03/2021	12.00	11.80	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC031</b>	
Client: AMEY OW Limited	Location: E:416167.109 N:508277.034		
Method (Equipment): Cable Percussion (Dando 2000)	Ground Level (m): 155.627	Start Date: 09/03/2021	Sheet: 3 of 3

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
16.00-16.45 16.00-16.45	SJ38 B39	N46					Firm becoming stiff dark brown grey slightly sandy slightly gravelly CLAY with medium cobble content. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Cobbles are subrounded and include sandstone and limestone. (continued)	
17.00	J40			138.63		17.00	Complete at 17.00m BGL.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
10/03/2021	17.00	16.80	150	Dry				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 19mm diameter standpipe piezometer installed to 6.50m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC032</b>	
Client: AMEY OW Limited	Location: E:416377.420 N:508157.780		
Method (Equipment): Cable Percussion (Dando 2000)	Ground Level (m): 147.548	Start Date: 10/03/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40-0.60	B3			147.45	[Cross-hatch pattern]	0.10	MADE GROUND (Yellow grey gravel. Gravel is fine to coarse subangular and includes limestone).	[Cross-hatch pattern]
0.50	ES1			147.15		0.40	MADE GROUND (Macadam).	
0.50	J2			146.95		0.60	MADE GROUND (Yellow grey gravel. Gravel is fine to coarse subangular and includes limestone).	
						(1.00)	MADE GROUND (Brown very clayey gravel. Gravel is fine to coarse subrounded and include limestone).	
1.00	J4				[Horizontal line pattern]			[Horizontal line pattern]
1.00	J5							
1.00-1.20	B6							
1.20-1.65	B8	N16		145.95		1.60		
1.20-1.65	SJ7							
2.00-2.45	U9	(80)					Firm brown becoming grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes limestone and sandstone. at c.2.00m BGL ... high strength.	
2.45	J10				[Horizontal line pattern]			[Horizontal line pattern]
2.50	ES11					(2.40)		
3.00-3.45	B13				[Horizontal line pattern]			[Horizontal line pattern]
3.00-3.45	SJ12	N22						
4.00	SJ14	100/25mm		143.55		4.00	Terminated at 4.00m BGL - due to an obstruction.	

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
10/03/2021	0.00	0.00	150		3.80 - 4.00	1:30		(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Relocated to BH SBC032A.
10/03/2021	2.00	1.80	150	Dry				
11/03/2021	2.00	1.80	150	Dry				
11/03/2021	4.00	3.80	150	Dry				

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC032A</b>	
Client: AMEY OW Limited	Location: E:416374.536 N:508155.959		
Method (Equipment): Cable Percussion (Dando 2000)	Ground Level (m): 147.467	Start Date: 11/03/2021	Sheet: 1 of 2

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
4.00	B2	N21		147.17		0.30	MADE GROUND (Friable brown sandy clay with many rootlets. Sand is fine to medium).	
4.00	SJ1					(0.60)	MADE GROUND (Firm brown slightly sandy slightly gravelly clay. Sand is fine to medium. Gravel is fine to medium subangular and includes limestone and sandstone).	
5.00-5.45	U3	(80)		146.57		0.90	Firm becoming stiff brown becoming grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes limestone and sandstone.	
5.45	J4					(9.10)	at c.5.45m BGL ... clay is of low plasticity.	
6.00	J5							
6.50	J6	N25						
6.50-6.95	SB7							
7.50-7.95	J8							

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
11/03/2021	0.00	0.00	150					(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 50mm diameter slotted standpipe installed between 4.00-7.00m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [REDACTED] :	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## BOREHOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>BH SBC032A</b>	
Client: AMEY OW Limited		Location: E:416374.536 N:508155.959	
Method (Equipment): Cable Percussion (Dando 2000)		Ground Level (m): 147.467	Start Date: 11/03/2021
		Sheet: 2 of 2	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
8.00-8.45	U9	(80)					Firm becoming stiff brown becoming grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes limestone and sandstone. (continued) at c.8.00m BGL ... high strength. at c.8.45m BGL ... clay is of intermediate plasticity.	
8.45	J10							
9.00	J11							
9.50-9.95 9.50-9.95	B13 SJ12	N26						
10.00	J14			137.47		10.00		
Complete at 10.00m BGL.								

Boring Progress and Water Observations					Chiselling		Water Added	General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Duration (hh:mm)	From - To	
11/03/2021	10.00	9.80	150	Dry				(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) 50mm diameter slotted standpipe installed between 4.00-7.00m BGL.

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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**Window/Windowless Sample Hole Records**





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## WINDOW/WINDOWLESS SAMPLE HOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>WS SBC004</b>	
Client: AMEY OW Limited	Location: E:412848.433 N:510329.399		
Method (Equipment): Windowless Sampling (PC Tracker S110)	Ground Level (m): 170.056	Start Date: 23/02/2021	Sheet: 1 of 1

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.10	ES1 J2 ES3 J4			169.91		0.15	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Gravel is fine to medium subangular and includes sandstone and mudstone. Sand is fine to coarse). MADE GROUND (Black gravel. Gravel is fine to coarse subangular and includes macadam, limestone and slag). <i>Terminated at 0.70m BGL - due to an obstruction.</i>	
0.10				(0.55)				
0.30								
0.30				169.36		0.70		

Boring Progress and Water Observations					Liner Sample Information				General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Internal Dia (mm)	Recovery (%)	Subsampled	
23/02/2021	0.00								(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Relocated to WS SBC004A.
23/02/2021	0.70								

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## WINDOW/WINDOWLESS SAMPLE HOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>WS SBC004A</b>	
Client: AMEY OW Limited		Location: E:412859.230 N:510327.624	
Method (Equipment): Windowless Sampling (PC Tracker S110)		Ground Level (m): 170.127	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.10	ES1 J2 ES3 J4			169.98	[Cross-hatched]	0.15	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Gravel is fine to medium subangular and includes sandstone and mudstone. Sand is fine to coarse).	[Cross-hatched]
0.10				(0.55)				
0.30				169.43	0.70	MADE GROUND (Black gravel. Gravel is fine to coarse subangular and includes macadam, limestone and slag).		
0.30						Terminated at 0.70m BGL - due to an obstruction.		

Boring Progress and Water Observations					Liner Sample Information				General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Internal Dia (mm)	Recovery (%)	Subsampled	
23/02/2021	0.00								(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling. (3) Relocated to WS SBC004B.
23/02/2021	0.70								

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	C [Redacted]	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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# ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

## WINDOW/WINDOWLESS SAMPLE HOLE RECORD

Status:-  
**FINAL**

Project: A66 North Trans Pennine Scheme C Section 9		Exploratory Hole No. <b>WS SBC004B</b>	
Client: AMEY OW Limited		Location: E:412848.502 N:510333.094	
Method (Equipment): Windowless Sampling (PC Tracker S110)		Ground Level (m): 170.025	Start Date: 23/02/2021
		Sheet: 1 of 1	

SAMPLES & TESTS			STRATA					Instrument/ Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.10	ES1 J2 ES3 J4			169.88		0.15	MADE GROUND (Brown very clayey slightly gravelly sand with many rootlets. Gravel is fine to medium subangular and includes sandstone and mudstone. Sand is fine to coarse). MADE GROUND (Black gravel. Gravel is fine to coarse subangular and includes macadam, limestone and slag). (1) MADE GROUND (Concrete). <i>Terminated at 0.80m BGL - due to an obstruction.</i>	
0.10				(0.55)				
0.30				169.33		0.70		
0.30				169.23		0.80		

Boring Progress and Water Observations					Liner Sample Information				General Remarks
Date	Depth	Casing	Casing Dia (mm)	Water Standing	From - To	Internal Dia (mm)	Recovery (%)	Subsampled	
23/02/2021	0.00								(1) Description derived from drillers daily report. (2) Inspection pit dug prior to drilling.
23/02/2021	0.80								

All dimensions in metres Scale 1:50.00	For explanation of symbols and abbreviations see Key Sheets	Company:	Logged by: D. Portsmouth	Contract No. <b>4322A</b>
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