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Waste Characterisation Assessment Phase 2

Forbes Lane

Dublin 8

Prepared For: -

IGSL Limited
Unit F
M7 Business Park
Naas
County Kildare

Prepared By: -

O'Callaghan Moran & Associates
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August 2024

Project	Waste Characterisation: Forbes Lane, Dublin 8			
Client	IGSL Limited			
Report No	Date	Status	Prepared By	Reviewed By
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APPENDICES

1 INTRODUCTION

IGSL Limited requested O'Callaghan Moran & Associates (OCM) to undertake a waste characterisation assessment of fifteen (15 No.) samples of made and natural ground collected from eight (8 No.) cable percussion boreholes and five (5 No.) trial pits from a site at Forbes Lane, Dublin 8. A Phase 2 investigation comprising the collection of twenty-one (21 No.) samples of made and natural ground collected from ten (10 No.) window boreholes was undertaken in July 2024 to attempt to delineate an area of hydrocarbon contamination identified in the northeast of the site.

1.1 Methodology

IGSL provided a description of the ground conditions and collected samples of the soils from the trial pit and borehole locations. The samples were analysed at an accredited laboratory and the results formed the basis for a waste classification assessment, which was undertaken by OCM in accordance with the Environmental Protection Agency (EPA) Guidelines on the Classification of Waste (2015).

2 WASTE CLASSIFICATION ASSESSMENT

2.1 Soil Sampling and Laboratory Analysis

2.1.1 *Site Investigation*

The Phase 1 site investigation was undertaken in February 2024 and included the collection of fifteen (15 No.) samples of made and natural ground collected from eight (8 No.) cable percussion boreholes and five (5 No.) trial pits. The Phase 2 investigation was undertaken in July 2024 and included the collection of twenty-one (21 No.) samples of made and natural ground collected from ten (10 No.) window boreholes. The location of the samples is shown on Figure 2.1. The logs are in Appendix 1.

There is concrete (0.20m) underlain by SAND and GRAVEL (0.10m) at the surface of all locations. The subsurface comprises Made Ground underlain by Natural Ground. The Made Ground is generally 1.30-2.20m in thickness and is composed of sandy gravelly CLAY with cobble content and red brick fragments. The Made Ground at BH07A extends to 3.00 mbgl.

The Made Ground at BH04 contains non-natural material >2% of the soil matrix including fragments of brick and concrete. The Made Ground at all other locations contains non-natural material <2% of the soil matrix.

The Made Ground is underlain by Natural Ground and comprises firm to stiff, sandy gravelly SILT/CLAY to circa. 3.50 mbgl. This is underlain by very stiff, sandy gravelly CLAY with some cobble content to at least 8.00 mbgl.

2.1.2 *Sample Collection*

IGSL collected the samples and placed them in laboratory prepared containers that were stored in coolers prior to shipment to Chemtest Ltd.

2.1.3 *Laboratory Analysis*

The samples were tested for, metals (arsenic, barium, cadmium, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium and zinc, total organic carbon (TOC), BTEX (benzene, toluene, ethylbenzene and xylene) aliphatic and aromatic hydrocarbons, polychlorinated biphenyls (PCB), mineral oil, polyaromatic hydrocarbons (PAH) and asbestos. Leachate generated from the samples was tested for arsenic, barium, cadmium, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium and zinc, chloride, fluoride, soluble sulphate, phenols, dissolved organic carbon (DOC), total dissolved solids (TDS).

This parameter range facilitates an assessment of the hazardous properties of the waste, and also allows a determination of appropriate off-site management options based on the Waste Acceptance Criteria (WAC) applied by landfill operators.

The analytical methods were all ISO/CEN approved and the method detection limits were below the relevant guidance/threshold values. The full laboratory report is in Appendix 2.

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Figure 2.1 Phase 1 Sample Location Plan

Legend

Client:

IGSL Limited

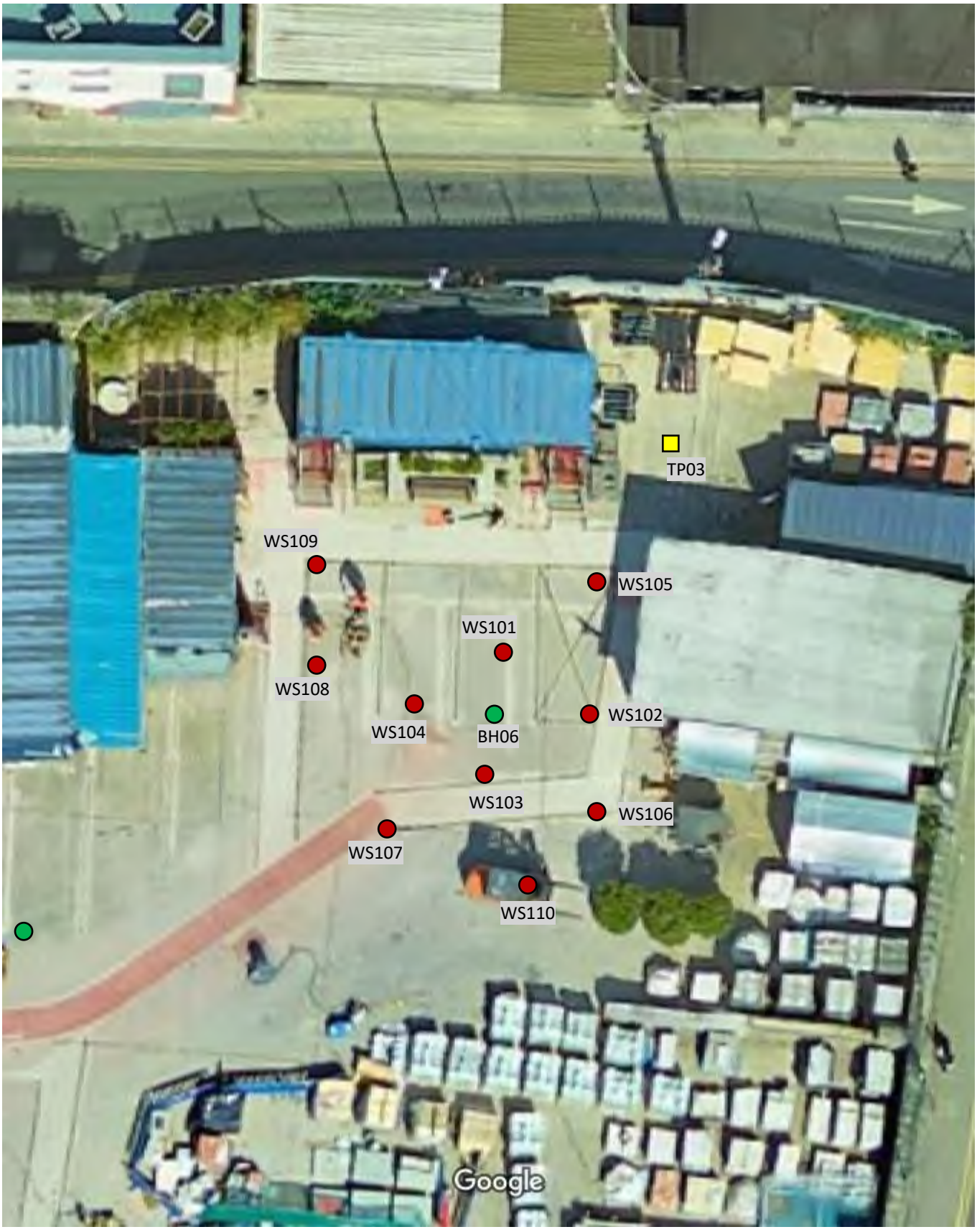

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Figure 2.2 Phase 2 Sample Location Plan

Client:

IGSL Limited

2.2 Waste Classification

The Haz Waste Online Classification Engine, developed in the UK by One Touch Data Ltd, was used to determine the waste classification. This tool was developed specifically to establish whether waste is non-hazardous or hazardous and has been approved for use in Ireland by the Environmental Protection Agency. The full Waste Classification Report is in Appendix 3 and the results are summarised in Table 2.1 and 2.2.

Table 2.1 Waste Classification Phase 1

Sample No.	Depth	Classification	LoW Code
BH1	1.0	Non-Hazardous	17 05 04
BH2	1.0	Non-Hazardous	17 05 04
BH3	1.0	Non-Hazardous	17 05 04
BH4	1.0	Non-Hazardous	17 09 04
BH5	1.0	Non-Hazardous	17 05 04
BH6	1.0	Hazardous	17 05 03
BH7A	1.0	Non-Hazardous	17 05 04
BH7A	2.0	Non-Hazardous	17 05 04
BH8A	1.0	Non-Hazardous	17 05 04
BH8A	3.0	Non-Hazardous	17 05 04
TP1	0.7	Non-Hazardous	17 05 04
TP2	0.6	Non-Hazardous	17 05 04
TP3	1.5	Non-Hazardous	17 05 04
TPSA01	1.4	Non-Hazardous	17 05 04
TPSA02	0.5	Non-Hazardous	17 05 04

Asbestos was not detected in any of the samples tested.

The sample from BH6 (1.00m) is classified as hazardous for Total Petroleum Hydrocarbons (TPH) concentrations and the appropriate List of Waste Code is 17 05 03 (Soil and Stone containing hazardous substances).

The samples from BH4 (1.00m) is classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

All other samples are classified as non-hazardous and the appropriate List of Waste Code is 17 05 04 (Soil and Stone other than those mentioned in 17 09 03*).

Table 2.2 Waste Classification Phase 2

Sample No.	Depth	Classification	LoW Code
WS101	0.50-1.30	Non-Hazardous	17 09 04
WS102	0.50-1.00	Non-Hazardous	17 09 04
WS102	1.00-1.80	Non-Hazardous	17 09 04
WS103	0.20-1.00	Non-Hazardous	17 09 04
WS103	1.00-2.00	Non-Hazardous	17 09 04
WS103	2.00-3.00	Non-Hazardous	17 09 04
WS104	0.30-0.90	Non-Hazardous	17 09 04
WS105	0.50-1.50	Non-Hazardous	17 09 04
WS105	2.00-3.00	Non-Hazardous	17 09 04
WS106	0.20-1.00	Hazardous	17 09 03
WS106	1.00-2.00	Non-Hazardous	17 09 04
WS106	2.00-3.00	Non-Hazardous	17 09 04
WS107	0.50-1.50	Non-Hazardous	17 09 04
WS107	2.20-3.00	Non-Hazardous	17 05 04
WS108	1.00-2.00	Non-Hazardous	17 09 04
WS108	2.00-3.00	Non-Hazardous	17 09 04
WS109	0.50-1.00	Non-Hazardous	17 09 04
WS109	1.00-2.00	Non-Hazardous	17 09 04
WS109	2.00-3.00	Non-Hazardous	17 09 04
WS110	0.50-1.50	Non-Hazardous	17 09 04
WS110	2.20-3.00	Non-Hazardous	17 05 04

The sample from WS106 (0.20-1.00m) is classified as hazardous for Total Petroleum Hydrocarbons (TPH) concentrations and the appropriate List of Waste Code is 17 09 03 (Construction and Demolition Waste containing hazardous substances).

The samples from WS107 (2.20-3.00m) and WS110 (2.20-3.00m) are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Soil and Stone other than those mentioned in 17 09 03*).

All other samples are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

2.3 Waste Acceptance Criteria

The results of the WAC testing are presented in Table 2.3-2.5, which includes for comparative purposes the WAC for Inert, Non Hazardous and Hazardous Waste Landfills pursuant to Article 16 of the EU Landfill Directive 1999/31/EC Annex II which establishes criteria and procedures for the acceptance of waste at landfills.

Phase 1

Antimony exceeds the inert WAC for BH4 (1.00m), and the inert WAC increased limits for BH8A (3.00m).

Lead exceeds the inert WAC increased limits for TPSA02.

Selenium exceeds the inert WAC for BH8A (3.00m).

Chloride exceeds the inert WAC for BH1 (1.00m).

Total Dissolved Solids exceeds the inert WAC for BH7A (1.00m).

Total Organic Carbon (TOC) exceeds the inert WAC for TP1 (0.7m) and TP2 (0.6m), and the inert WAC increased limits for BH6 (1.0m) and TPSA02.

Total PAH's exceeds the inert WAC increased limits for BH5 (1.00m), BH6 (1.00m) and TPSA02.

All other samples meet the inert WAC.

Phase 2

Antimony exceeds the inert WAC for WS108 (1.00-2.00m).

Lead exceeds the inert WAC increased limits for WS102 (1.00-1.80m), WS106 (0.20-1.00m), WS106 (1.00-2.00m) and WS109 (1.00-2.00m).

Selenium exceeds the inert WAC for WS103 (2.00-3.00m).

Total Organic Carbon (TOC) exceeds the inert WAC for WS101 (0.50-1.30m) WS103 (0.20-1.00m), WS107 (0.50-1.50m), WS109 (2.00-3.00m) and WS110 (0.50-1.50m), and the inert WAC increased limits WS102 (0.50-1.00m and 1.00-1.80m), WS103 (1.00-2.00m), WS106 (0.20-1.00m and 1.00-2.00m) and WS109 (0.50-1.00m and 1.00-2.00m).

Total PAH's exceeds the inert WAC increased limits for WS102 (0.50-1.00m) and WS109 (0.50-1.00m).

All other samples meet the inert WAC

Table 2.3 WAC Results Phase 1

Parameter	Unit	BH1	BH2	BH3	BH4	BH5	BH6	BH7A	BH7A	BH8A	BH8A	TP1	TP2	TP3	TPSA01	TPSA02	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**1.0**	**3.0**	**0.7**	**0.6**	**1.5**	**1.4**	**0.5**				
Antimony	mg/kg	0.031	< 0.0050	< 0.0050	0.081	0.0099	0.0099	< 0.0050	0.0068	0.0063	0.12	0.027	0.014	< 0.0050	< 0.0050	0.060	0.06	0.18	0.7	5
Arsenic	mg/kg	0.28	0.018	0.0055	0.41	0.25	0.064	0.0027	0.055	0.093	0.27	0.010	0.076	0.055	0.016	0.15	0.5	1.5	2	25
Barium	mg/kg	0.23	< 0.050	0.087	0.052	< 0.050	0.067	0.52	0.063	0.053	0.15	0.21	< 0.050	0.087	< 0.050	0.096	20	20	100	300
Cadmium	mg/kg	0.0038	< 0.0011	< 0.0011	0.0053	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0073	0.04	0.04	1	5
Chromium	mg/kg	0.17	< 0.0050	< 0.0050	0.027	0.033	< 0.0050	0.021	0.013	0.0066	0.0078	0.036	0.014	< 0.0050	0.020	0.017	0.5	0.5	10	70
Copper	mg/kg	0.37	0.016	0.0084	0.72	0.061	0.047	0.15	0.016	0.034	0.12	0.027	0.10	0.0054	0.042	1.2	2	2	50	100
Lead	mg/kg	0.25	< 0.0050	< 0.0050	0.47	0.074	0.23	< 0.0050	0.027	0.016	< 0.0050	< 0.0050	0.11	< 0.0050	0.012	1.1	0.5	0.5	10	50
Molybdenum	mg/kg	0.18	0.42	0.080	0.12	0.040	0.053	0.13	0.045	0.093	0.16	0.015	0.097	0.050	0.075	0.034	0.5	1.5	10	30
Nickel	mg/kg	0.22	< 0.0050	< 0.0050	0.11	0.0057	0.0082	0.040	< 0.0050	0.0055	0.052	< 0.0050	0.035	< 0.0050	0.024	0.024	0.4	0.4	10	40
Selenium	mg/kg	0.071	0.025	0.013	0.059	0.023	0.015	0.032	0.020	0.016	0.13	0.011	0.011	0.012	0.017	0.017	0.1	0.3	0.5	7
Zinc	mg/kg	1.5	0.18	0.14	0.32	0.16	0.30	< 0.025	< 0.025	0.17	0.13	< 0.025	0.26	0.19	0.41	0.55	4	4	50	200
Mercury	mg/kg	0.0010	< 0.00050	< 0.00050	0.0010	0.00059	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00096	0.01	0.01	0.2	2
Phenol	mg/kg	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	1	1	NE	NE
Fluoride	mg/kg	6.3	5.2	5.5	2.4	1.9	4.0	1.9	7.5	2.4	1.3	2.1	2.2	1.9	3.5	5.3	10	10	150	500
Chloride	mg/kg	850	37	290	520	37	23	200	120	47	120	160	220	< 10	360	240	800	2,400	15,000	25,000
Sulphate	mg/kg	240	230	170	170	230	260	260	300	160	170	370	28	340	150	140	1000*	3,000	20000*	50,000
DOC **	mg/kg	< 50	< 50	< 50	100	86	90	76	< 50	74	76	< 50	83	< 50	< 50	78	500	500	800	1,000
pH	pH units	8.8	9.2	8.2	10.1	8.9	8.0	10.6	9.7	8.3	9.0	9.6	8.5	8.6	8.5	8.8	NE	NE	NE	NE
TDS ***	mg/kg	2900	880	1400	2200	860	980	6400	1300	960	1200	2800	1000	800	1400	1200	4,000	12,000	60,000	100,000
TOC	%	0.73	1.1	0.68	2.0	2.3	14	1.9	1.9	2.7	0.40	3.4	4.9	0.43	0.56	9.2	3	6	NE	6
Benzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Toluene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Ethylbenzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
m/p-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
o-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
PCB Total of 7	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1	1	NE	NE
Total 17 PAH's	mg/kg	< 1.0	< 1.0	< 1.0	43	110	660	1.1	< 1.0	12	< 1.0	63	< 1.0	29	< 1.0	120	NE	100	NE	NE
Mineral Oil	mg/kg	11	< 10	10	44	< 10	20	110	< 10	14	13	150	20	< 10	13	34	500	500	NE	NE
Asbestos	% mass	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NE	NE	NE	NE

NAD denotes No Asbestos Detected

* denotes sulphate level exceeding inert waste limit may be considered as complying if the TDS value does not exceed 6,000mg/kg at L/S = 10l/kg.

** denotes a higher limit may be accepted provided the DOC alternative values of 500mg/kg is achieved

*** denotes TDS. The values for TDS can be used to sulphate and chloride.

PAH over 1mg/kg and Mineral Oil over 50 mg/kg exceeds limit at soil recovery site in Ireland

Table 2.4 WAC Results Phase 2

Parameter	Unit	WS101	WS102	WS102	WS103	WS103	WS103	WS104	WS105	WS105	WS106	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**0.50-1.30**	**0.50-1.00**	**1.00-1.80**	**0.20-1.00**	**1.00-2.00**	**2.00-3.00**	**0.30-0.90**	**0.50-1.50**	**2.00-3.00**	**0.20-1.00**				
Antimony	mg/kg	0.011	0.024	0.015	0.020	< 0.0050	< 0.0050	0.0084	0.016	0.0063	0.019	0.06	0.18	0.7	5
Arsenic	mg/kg	0.086	0.062	0.26	0.084	0.047	0.0068	0.0058	0.084	0.032	0.078	0.5	1.5	2	25
Barium	mg/kg	0.055	0.066	0.058	0.066	< 0.050	< 0.050	0.13	< 0.050	0.059	0.082	20	20	100	300
Cadmium	mg/kg	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0023	0.04	0.04	1	5
Chromium	mg/kg	0.031	< 0.0050	0.0099	< 0.0050	< 0.0050	< 0.0050	0.027	< 0.0050	< 0.0050	0.0069	0.5	0.5	10	70
Copper	mg/kg	0.027	0.075	0.21	0.099	0.024	0.016	0.14	0.025	0.033	0.72	2	2	50	100
Lead	mg/kg	0.15	0.14	1.3	0.12	0.043	< 0.0050	< 0.0050	0.025	0.018	1.2	0.5	0.5	10	50
Molybdenum	mg/kg	0.025	0.086	0.038	0.034	0.13	0.18	0.048	0.046	0.084	0.040	0.5	1.5	10	30
Nickel	mg/kg	< 0.0050	0.020	0.044	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.013	0.021	0.4	0.4	10	40
Selenium	mg/kg	0.013	0.016	0.018	0.016	0.013	0.11	0.025	0.023	0.012	0.013	0.1	0.3	0.5	7
Zinc	mg/kg	0.060	0.11	0.30	0.14	0.043	0.055	< 0.025	0.038	0.11	0.47	4	4	50	200
Mercury	mg/kg	< 0.00050	0.00065	0.0054	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.0021	0.01	0.01	0.2	2
Phenol	mg/kg	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	1	1	NE	NE
Fluoride	mg/kg	6.1	2.3	4.4	4.6	4.9	4.8	4.0	1.5	1.9	3.2	10	10	150	500
Chloride	mg/kg	17	22	85	28	51	150	120	13	< 10	34	800	2,400	15,000	25,000
Sulphate	mg/kg	87	180	< 10	100	140	430	190	51	33	29	1000*	3,000	20000*	50,000
DOC **	mg/kg	53	50	130	< 50	< 50	< 50	< 50	< 50	< 50	89	500	500	800	1,000
pH	pH units	8.4	8.3	8.4	8.3	8.4	8.3	8.1	8.5	8.4	8.5	NE	NE	NE	NE
TDS ***	mg/kg	620	810	1400	660	800	1300	300	470	450	600	4,000	12,000	60,000	100,000
TOC	%	3.1	9.2	6.6	5.1	18	0.94	2.9	0.74	0.71	12	3	6	NE	6
Benzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Toluene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Ethylbenzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
m/p-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
o-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
PCB Total of 7	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1	1	NE	NE
Total 17 PAH's	mg/kg	19	1000	1.7	53	4.0	< 1.0	14	< 1.0	42	55	NE	100	NE	NE
Mineral Oil	mg/kg	90	< 10	360	12	< 10	< 10	210	26	< 10	78	500	500	NE	NE
Asbestos	% mass	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NE	NE	NE	NE

NAD denotes No Asbestos Detected

* denotes sulphate level exceeding inert waste limit may be considered as complying if the TDS value does not exceed 6,000mg/kg at L/S = 10l/kg.

** denotes a higher limit may be accepted provided the DOC alternative values of 500mg/kg is achieved

*** denotes TDS. The values for TDS can be used to sulphate and chloride.

PAH over 1mg/kg and Mineral Oil over 50 mg/kg exceeds limit at soil recovery site in Ireland

Table 2.5 WAC Results Phase 2

Parameter	Unit	WS106	WS106	WS107	WS107	WS108	WS108	WS109	WS109	WS109	WS110	WS110	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**1.00-2.00**	**2.00-3.00**	**0.50-1.50**	**2.20-3.00**	**1.00-2.00**	**2.00-3.00**	**0.50-1.00**	**1.00-2.00**	**2.00-3.00**	**0.50-1.50**	**2.20-3.00**				
Antimony	mg/kg	0.015	0.012	0.016	< 0.0050	0.13	0.0085	0.012	0.023	< 0.0050	0.013	0.0067	0.06	0.18	0.7	5
Arsenic	mg/kg	0.29	0.040	0.26	0.0048	0.098	0.0040	0.038	0.078	0.0040	0.099	0.0086	0.5	1.5	2	25
Barium	mg/kg	0.051	< 0.050	< 0.050	0.065	0.12	0.064	0.20	0.079	0.060	0.050	< 0.050	20	20	100	300
Cadmium	mg/kg	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.04	0.04	1	5
Chromium	mg/kg	0.0090	< 0.0050	< 0.0050	< 0.0050	0.014	< 0.0050	0.0088	0.027	< 0.0050	0.018	< 0.0050	0.5	0.5	10	70
Copper	mg/kg	0.15	0.028	0.054	0.010	0.11	0.011	0.089	0.68	0.024	0.071	0.012	2	2	50	100
Lead	mg/kg	0.79	0.0057	0.058	< 0.0050	0.29	< 0.0050	0.20	0.76	< 0.0050	0.35	< 0.0050	0.5	0.5	10	50
Molybdenum	mg/kg	0.22	0.092	0.11	0.067	0.071	0.026	0.036	0.070	0.071	0.051	0.15	0.5	1.5	10	30
Nickel	mg/kg	0.033	< 0.0050	0.015	< 0.0050	0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.4	0.4	10	40
Selenium	mg/kg	0.016	0.037	0.016	0.027	0.019	0.0069	0.037	0.035	0.022	0.0076	0.015	0.1	0.3	0.5	7
Zinc	mg/kg	0.24	0.075	0.064	0.037	0.097	0.039	0.059	0.060	0.032	0.085	< 0.025	4	4	50	200
Mercury	mg/kg	0.0033	< 0.00050	0.00067	< 0.00050	0.0016	< 0.00050	0.00063	0.0048	< 0.00050	0.0011	< 0.00050	0.01	0.01	0.2	2
Phenol	mg/kg	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	1	1	NE	NE
Fluoride	mg/kg	3.3	1.7	4.6	1.5	4.8	1.1	4.3	7.6	1.7	2.3	2.0	10	10	150	500
Chloride	mg/kg	160	130	190	220	35	90	15	92	26	51	82	800	2,400	15,000	25,000
Sulphate	mg/kg	150	97	110	150	240	390	250	490	260	54	46	1000*	3,000	20000*	50,000
DOC **	mg/kg	89	< 50	65	< 50	120	< 50	< 50	150	62	< 50	< 50	500	500	800	1,000
pH	pH units	8.5	8.4	8.4	8.5	8.1	8.2	8.4	8.8	8.2	8.2	8.2	NE	NE	NE	NE
TDS ***	mg/kg	1400	1000	1200	1200	990	1200	850	1400	940	820	800	4,000	12,000	60,000	100,000
TOC	%	11	2.0	4.5	0.29	2.1	1.0	6.4	13	3.4	4.4	0.33	3	6	NE	6
Benzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Toluene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
Ethylbenzene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
m/p-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
o-Xylene	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	6	6	NE	NE
PCB Total of 7	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1	1	NE	NE
Total 17 PAH's	mg/kg	1.1	< 1.0	10	< 1.0	5.7	< 1.0	470	< 1.0	11	18	5.2	NE	100	NE	NE
Mineral Oil	mg/kg	< 10	24	31	< 10	20	< 10	18	45	< 10	20	< 10	500	500	NE	NE
Asbestos	% mass	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NE	NE	NE	NE

NAD denotes No Asbestos Detected

* denotes sulphate level exceeding inert waste limit may be considered as complying if the TDS value does not exceed 6,000mg/kg at L/S = 10l/kg.

** denotes a higher limit may be accepted provided the DOC alternative values of 500mg/kg is achieved

*** denotes TDS. The values for TDS can be used to sulphate and chloride.

PAH over 1mg/kg and Mineral Oil over 50 mg/kg exceeds limit at soil recovery site in Ireland

2.4 Waste Management Options

The EPA has issued guidance on acceptance criteria for a range of parameters for soil recovery sites. This includes;

- Metals (solid conc. not leachability) in soil and stone (including As, Cd, Cr, Cu, Hg, Ni, Pub, Zn);
- Total organic carbon in soil and stone;
- Total BTEX (benzene, toluene, ethylbenzene, xylenes) in soil and stone;
- Mineral oil in soil and stone;
- Polycyclic aromatic hydrocarbons (PAHs) in soil and stone;
- Polychlorinated Biphenyls (PCBs) in soil and stone;
- Asbestos fibres in soil and stone.

The guidance requires that soils from brownfield sites should not exceed the limits for the parameters specified in Table 2.6 and 2.7. For metals limits have been specified for a range of soil types nationally separated into six domain areas.

The soil recovery limits do not apply to samples of Made Ground which are classified as 17 09 04 or to samples which exceed the inert WAC.

Table 2.6 Soil Recovery Site Criteria

Parameter	Limit for Soil Recovery Sites
Total BTEX	0.05 mg/kg
Mineral Oil	50 mg/kg
Total PAHs	1 mg/kg
Total PCBs	0.05 mg/kg

The samples from BH8A (1.0m) and TP3 (1.5m) from Phase 1 which meet the inert WAC, exceed the soil recovery criteria for Total PAH's. The sample from WS110 (2.20-3.00m) from Phase 2 which meets the inert WAC exceeds the soil recovery criteria for Total PAH's These samples have therefore been classified as (B-1) suitable for disposal to inert landfill.

The soil and stone cannot be sent to soil recovery sites if the trigger levels for a particular domain are exceeded. There is however some flexibility in applying the limits. A derogation applies where up to three parameters can exceed the limit for a sample provided the concentration in the samples is no more than 1.5 times the trigger level. The site which is subject to this investigation is located in Domain 2 and the trigger levels are listed in Table 2.7.

Table 2.7 Soil Recovery Trigger Levels

		Domain 2 Trigger Level	1.5 times Trigger Level
Arsenic	**mg/kg**	24.90	37.35
Cadmium	**mg/kg**	3.28	4.92
Chromium	**mg/kg**	50.30	75.45
Copper	**mg/kg**	63.50	95.25
Mercury	**mg/kg**	0.36	0.54
Nickel	**mg/kg**	61.90	92.85
Lead	**mg/kg**	86.10	129.15
Zinc	**mg/kg**	197.00	295.5

The samples from BH2 (1.0m), BH7A (2.0m), BH8A (1.0m) and TPSA01 which meet the inert WAC exceed the soil recovery criteria for metal concentrations. The samples exceed the 1.5 times trigger level for Lead and/or Copper.

Waste management options are summarised on Table 2.8 and 2.9. All are subject to approval of the waste management facility operators. Class A material meets the soil recovery criteria. Class B-1 wastes are suitable for disposal to inert landfill. Class B-2 wastes are suitable for disposal to inert landfill with increased limits. Class C wastes are suitable for disposal to Non-Hazardous Landfill. Class D wastes are suitable for disposal to hazardous landfill.

Table 2.8 Waste Management Options Phase 1

Sample No.	Depth	Classification	LoW Code	Category
BH1	1.0	Non-Hazardous	17 05 04	B-2
BH2	1.0	Non-Hazardous	17 05 04	B-1
BH3	1.0	Non-Hazardous	17 05 04	A
BH4	1.0	Non-Hazardous	17 09 04	B-2
BH5	1.0	Non-Hazardous	17 05 04	C
BH6	1.0	Hazardous	17 05 03	D
BH7A	1.0	Non-Hazardous	17 05 04	B-2
BH7A	2.0	Non-Hazardous	17 05 04	B-1
BH8A	1.0	Non-Hazardous	17 05 04	B-1
BH8A	3.0	Non-Hazardous	17 05 04	C
TP1	0.7	Non-Hazardous	17 05 04	B-2
TP2	0.6	Non-Hazardous	17 05 04	B-2
TP3	1.5	Non-Hazardous	17 05 04	B-1
TPSA01	1.4	Non-Hazardous	17 05 04	B-1
TPSA02	0.5	Non-Hazardous	17 05 04	C

A	Meets Soil Recovery Criteria
B-1	Suitable for disposal/recovery to Inert Landfill
B-2	Suitable for disposal/recovery to Inert Landfill with increased limits
C	Suitable for disposal to Non-Hazardous Landfill
D	Suitable for disposal to Hazardous Landfill

Table 2.9 Waste Management Options Phase 2

Sample No.	Depth	Classification	LoW Code	Category
WS101	0.50-1.30	Non-Hazardous	17 09 04	B-2
WS102	0.50-1.00	Non-Hazardous	17 09 04	C
WS102	1.00-1.80	Non-Hazardous	17 09 04	C
WS103	0.20-1.00	Non-Hazardous	17 09 04	B-2
WS103	1.00-2.00	Non-Hazardous	17 09 04	C
WS103	2.00-3.00	Non-Hazardous	17 09 04	B-2
WS104	0.30-0.90	Non-Hazardous	17 09 04	B-1
WS105	0.50-1.50	Non-Hazardous	17 09 04	B-1
WS105	2.00-3.00	Non-Hazardous	17 09 04	B-1
WS106	0.20-1.00	Hazardous	17 09 03	D
WS106	1.00-2.00	Non-Hazardous	17 09 04	C
WS106	2.00-3.00	Non-Hazardous	17 09 04	B-1
WS107	0.50-1.50	Non-Hazardous	17 09 04	B-2
WS107	2.20-3.00	Non-Hazardous	17 05 04	A
WS108	1.00-2.00	Non-Hazardous	17 09 04	B-2
WS108	2.00-3.00	Non-Hazardous	17 09 04	B-1
WS109	0.50-1.00	Non-Hazardous	17 09 04	C
WS109	1.00-2.00	Non-Hazardous	17 09 04	C
WS109	2.00-3.00	Non-Hazardous	17 09 04	B-2
WS110	0.50-1.50	Non-Hazardous	17 09 04	B-2
WS110	2.20-3.00	Non-Hazardous	17 05 04	B-1

A	Meets Soil Recovery Criteria
B-1	Suitable for disposal/recovery to Inert Landfill
B-2	Suitable for disposal/recovery to Inert Landfill with increased limits
C	Suitable for disposal to Non-Hazardous Landfill
D	Suitable for disposal to Hazardous Landfill

3 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

3.1.1 *Waste Classification*

Phase 1

Asbestos was not detected in any of the samples tested.

The sample from BH6 (1.00m) is classified as hazardous for Total Petroleum Hydrocarbons (TPH) concentrations and the appropriate List of Waste Code is 17 05 03 (Soil and Stone containing hazardous substances).

The samples from BH4 (1.00m) is classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

All other samples are classified as non-hazardous and the appropriate List of Waste Code is 17 05 04 (Soil and Stone other than those mentioned in 17 05 03*).

Phase 2

The sample from WS106 (0.20-1.00m) is classified as hazardous for Total Petroleum Hydrocarbons (TPH) concentrations and the appropriate List of Waste Code is 17 09 03 (Construction and Demolition Waste containing hazardous substances).

The samples from WS107 (2.20-3.00m) and WS110 (2.20-3.00m) are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Soil and Stone other than those mentioned in 17 09 03*).

All other samples are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

If the soils have to be removed from the site the disposal options are outlined in Section 2.4 and an excavation plan is contained in Appendix 4. The excavation plan for the Phase 2 investigation in the vicinity of BH06 is outlined separately in Appendix 4.

3.2 Recommendations

OCM recommend that a copy of this report be provided in full to the relevant waste management facilities to which the made ground and subsoils will be consigned to confirm its suitability for acceptance.

Appendix 1

Trial Pit and Borehole Logs

TRIAL PIT RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**TRIAL PIT NO.**	**TP01**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	714,020.85 E 733,438.01 N
		DATE STARTED	10/02/2024
		DATE COMPLETED	10/02/2024
CLIENT	NDFA	**GROUND LEVEL (m)**	17.85
ENGINEER	MORCE	**EXCAVATION METHOD**	3t tracked excavator

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE									
MADE GROUND comprising brown angular gravel and concrete rubble		0.20	17.65	1 (Moderate)					
MADE GROUND comprising dark grey/brown, sandy gravelly Clay with concrete rubble and red brick fragments		0.50	17.35		AA211751	B	0.70		
1.0 Pit terminated due to possible buried building wall / foundation End of Trial Pit at 1.10m		1.10	16.75						
2.0									

Groundwater Conditions
Moderate water ingress at 0.25m

Stability
Good

General Remarks
Pit terminated at 1.10m on possible old buried wall / footing

TRIAL PIT RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**TRIAL PIT NO.**	**TP02**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	714,072.00 E 733,438.75 N
		DATE STARTED	10/02/2024
		DATE COMPLETED	10/02/2024
CLIENT	NDFA	**GROUND LEVEL (m)**	17.73
ENGINEER	MORCE	**EXCAVATION METHOD**	3t tracked excavator

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE		0.15	17.58						
MADE GROUND comprising brown sandy Gravel. Gravel is subangular to subrounded fine to coarse of limestone.		0.30	17.43						
MADE GROUND comprising brown mottled grey sandy gravelly Clay with mortar and red brick fragments					AA209948	B	0.60		
Firm brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of limestone. Cobbles are subangular.		0.70	17.03						
1.0					AA209949	B	1.40		
Firm to stiff brown slightly sandy slightly gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of limestone. Cobbles are subangular.		1.70	16.03						
2.0					AA209950	B	2.40		
End of Trial Pit at 2.50m		2.50	15.23						

Groundwater Conditions
Dry

Stability
Good

General Remarks
Excavation measured 2.50m deep x 2.0m long x 0.60m wide. Pit backfilled with leanmix concrete, topped with concrete pavement.

TRIAL PIT RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**TRIAL PIT NO.**	**TP03**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	714,081.96 E 733,492.43 N
		DATE STARTED	10/02/2024
		DATE COMPLETED	10/02/2024
CLIENT	NDFA	**GROUND LEVEL (m)**	19.41
ENGINEER	MORCE	**EXCAVATION METHOD**	3t tracked excavator

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE									
MADE GROUND comprising brown/grey slightly clayey angular Gravel		0.24	19.17		AA211752	B	0.50		
MADE GROUND comprising grey/dark grey clayey sandy Gravel with mortar and red brick fragments		0.65	18.76						
1.0									
MADE GROUND comprising brown slightly clayey angular Gravel - possible surround for buried service		1.30	18.11		AA211753	B	1.50		
Pit terminated due to possible buried service (not verified) End of Trial Pit at 1.80m		1.80	17.61						
2.0									

Groundwater Conditions
Dry

Stability
Unstable from 1.30m

General Remarks
Excavation measured 1.80m deep x 2.0m long x 0.60m wide backfilled with leanmix concrete, topped with concrete pavement. Pit terminated at 1.80m due to possible buried service. Unable to verify due to major sidewall instability from 1.30m.

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane

BOREHOLE NO. **BH01**
SHEET Sheet 1 of 1

CO-ORDINATES 714,037.36 E, 733,429.16 N
GROUND LEVEL (mOD) 17.72
RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.00
DATE COMMENCED 16/02/2024
DATE COMPLETED 19/02/2024

CLIENT NDFA
ENGINEER MORCE
SPT HAMMER REF. NO.
ENERGY RATIO (%)
BORED BY DT
PROCESSED BY FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		17.52	0.20						
	MADE GROUND comprising brown sandy gravelly Silt/Clay		17.02	0.70	AA216823	B	0.50			
1	MADE GROUND comprising grey mottled brown sandy gravelly Silt/Clay with red brick fragments and a medium cobble content.		16.42	1.30	AA216824	B	1.00		N = 6 (1, 1, 1, 2, 1, 2)	
	Soft grey mottled brown sandy gravelly CLAY with a low cobble content									
2					AA216825	B	2.00		N = 9 (2, 2, 2, 2, 2, 3)	
			14.82	2.90						
3	Stiff to very stiff black slightly sandy gravelly CLAY with a medium to high cobble and low boulder content				AA216826	B	3.00		N = 40 (6, 11, 10, 12, 9, 9)	
4					AA216827	B	4.00		N = 24 (1, 3, 3, 5, 8, 8)	
			12.72	5.00						
5	Stiff to very stiff black sandy slightly gravelly SILT with a medium to high cobble and low boulder content				AA216828	B	5.00		N = 39 (8, 7, 9, 8, 14, 8)	
			11.72	6.00						
6	Obstruction End of Borehole at 6.00 m				AA216829	B	6.00		N = 50/150 mm (13, 12, 22, 28)	
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
5.90	6.00	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
1.90	1.90	2.40	1.50	20	Slow

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type
19-02-24	6.00	1.00	6.00	50mm SP

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments
19-02-24	6.00	Nil	1.70	End of BH

REMARKS CAT scanned location and hand dug inspection pit carried out.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane

BOREHOLE NO. BH02
SHEET Sheet 1 of 1

CO-ORDINATES 714,067.83 E, 733,426.39 N
GROUND LEVEL (mOD) 17.85

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.20

DATE COMMENCED 13/02/2024
DATE COMPLETED 14/02/2024

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO.
ENERGY RATIO (%)

BORED BY DT
PROCESSED BY FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		17.65	0.20						
	MADE GROUND comprising grey sandy gravelly Silt/Clay with a medium to high cobble content		17.35	0.50	AA216808	B	0.50			
1	MADE GROUND comprising grey mottled brown sandy gravelly Silt/Clay with red brick fragments and a medium cobble content.		16.35	1.50	AA216809	B	1.00		N = 9 (0, 1, 2, 2, 3, 2)	
2	Stiff mottled brown sandy gravelly CLAY with a low cobble content		14.95	2.90	AA216810	B	2.00		N = 23 (2, 3, 4, 5, 6, 8)	
3	Very stiff black and grey black slightly sandy slightly gravelly CLAY with a medium to high cobble and low boulder content				AA216811	B	3.00		N = 50 (7, 9, 10, 13, 18, 9)	
4					AA216812	B	4.00		N = 50/225 mm (8, 11, 14, 15, 21)	
5					AA216813	B	5.00		N = 50/225 mm (10, 10, 18, 17, 15)	
6			11.65	6.20	AA216814	B	6.00		N = 50/75 mm (25, 32, 50)	
	OBSTRUCTION End of Borehole at 6.20 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
6.10	6.20	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
3.90	3.90	4.20	3.60	20	Slow

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments
14-02-24	6.20	Nil	3.80	End of BH

REMARKS CAT scanned location and hand dug inspection pit carried out. Pavement extracted using Xcalibre concrete coring rig.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH03**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,069.85 E 733,443.71 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	17.85	**BOREHOLE DEPTH (m)**	6.20
		DATE COMMENCED	23/01/2024
		DATE COMPLETED	23/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		17.65	0.20						
	Clause 804-type stone FILL (MADE GROUND)		17.55	0.30						
1	MADE GROUND comprising black/brown sandy gravelly Silt/Clay with red brick fragments		16.05	1.80	AA198379	B	1.00		N = 6 (1, 1, 1, 2, 1, 2)	
2	Firm grey sandy gravelly CLAY		15.25	2.60	AA198380	B	2.00		N = 11 (2, 2, 3, 2, 3, 3)	
3	Stiff to very stiff black slightly sandy gravelly CLAY with a low cobble content		12.85	5.00	AA198381	B	3.00		N = 28 (3, 4, 5, 7, 8, 8)	
4					AA198382	B	4.00		N = 30 (3, 3, 7, 6, 7, 10)	
5	Stiff to very stiff grey black slightly sandy gravelly SILT with a low cobble content				AA198383	B	5.00		N = 45 (4, 6, 10, 14, 9, 12)	
6			11.65	6.20	AA198384	B	6.00		N = 50/75 mm (25, 50)	
	Obstruction End of Borehole at 6.20 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
6.10	6.20	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS CAT scanned location. Pavement extracted using Xcalibre concrete coring rig. Inspection pit undertaken.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH04**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,035.50 E 733,447.03 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	17.94	**BOREHOLE DEPTH (m)**	6.00
		DATE COMMENCED	22/01/2024
		DATE COMPLETED	22/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	MADE GROUND comprising grey/brown gravelly Silt/Clay with red brick fragments		17.84	0.10						
	MADE GROUND comprising black sandy gravelly Silt/Clay with cobbles and concrete pieces throughout				AA198373	B	1.00		N = 10 (1, 2, 2, 2, 3, 3)	
1			16.44	1.50						
	Firm grey/brown sandy gravelly CLAY with a low cobble content				AA198374	B	2.00		N = 12 (2, 2, 3, 3, 3, 3)	
2										
					AA198375	B	3.00		N = 20 (2, 3, 3, 4, 6, 7)	
3			14.54	3.40						
	Very stiff black slightly sandy slightly gravelly CLAY with a medium cobble content				AA198376	B	4.00		N = 35 (2, 3, 4, 9, 10, 12)	
4										
					AA198377	B	5.00		N = 51 (3, 4, 10, 12, 14, 15)	
5										
			11.94	6.00						
6	Obstruction End of Borehole at 6.00 m				AA198378	B	6.00		N = 50/75 mm (25, 50)	
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
5.90	6.00	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS CAT scanned location and hand dug inspection pit carried out.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane

BOREHOLE NO. BH05
SHEET Sheet 1 of 1

CO-ORDINATES 714,077.35 E, 733,461.35 N
GROUND LEVEL (mOD) 19.07

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 7.40

DATE COMMENCED 14/02/2024
DATE COMPLETED 15/02/2024

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO.
ENERGY RATIO (%)

BORED BY DT
PROCESSED BY FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		18.87	0.20						
	Clause 804-type stone FILL (MADE GROUND)		18.67	0.40						
	MADE GROUND comprising grey/brown sandy gravelly Silt/Clay with cobbles and red brick fragments				AA216815	B	0.50			
1					AA216816	B	1.00		N = 7 (0, 1, 1, 2, 2, 2)	
			17.67	1.40						
	MADE GROUND comprising grey/black sandy gravelly Silt/Clay with cobbles and red brick fragments									
2			16.87	2.20	AA216817	B	2.00		N = 9 (1, 1, 2, 2, 2, 3)	
	Soft to firm light brown sandy gravelly SILT/CLAY with a low cobble content		16.47	2.60						
	Soft to firm becoming firm grey/brown sandy gravelly CLAY with a medium cobble content									
3					AA216818	B	3.00		N = 11 (2, 2, 2, 2, 3, 4)	
			15.17	3.90						
	Very stiff black sandy gravelly CLAY with a medium cobble and low boulder content				AA216819	B	4.00		N = 48 (8, 10, 10, 12, 12, 14)	
4										
5					AA216820	B	5.00		N = 50/75 mm (25, 50)	
			13.07	6.00						
6	Very stiff grey black slightly sandy slightly gravelly CLAY with a medium cobble and low boulder content				AA216821	B	6.00		N = 50/225 mm (10, 14, 16, 16, 18)	
7					AA216822	B	7.00		N = 50/225 mm (13, 12, 14, 14, 22)	
			11.67	7.40						
	Obstruction End of Borehole at 7.40 m									
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
5.00	5.30	0.75	
7.20	7.40	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS CAT scanned location and hand dug inspection pit carried out.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH06**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,076.48 E 733,484.02 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	19.37	**BOREHOLE DEPTH (m)**	6.20
		DATE COMMENCED	10/02/2024
		DATE COMPLETED	11/02/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		19.17	0.20						
	Clause 804-type stone FILL (MADE GROUND)		19.07	0.30						
1	MADE GROUND comprising black sandy gravelly Silt/Clay with cobbles and red brick fragments		17.57	1.80	AA215903	B	1.00		N = 9 (1, 2, 2, 2, 2, 3)	
2	Grey and grey/black silty sandy GRAVEL (Possible Made Ground)		17.17	2.20	AA215904	B	2.00		N = 8 (2, 2, 3, 1, 2, 2)	
	Soft to firm grey and grey/black sandy gravelly SILT/CLAY with a low cobble content									
3			15.87	3.50	AA215905	B	3.00		N = 13 (1, 1, 2, 3, 4, 4)	
	Very stiff black slightly sandy slightly gravelly CLAY with a medium cobble content and low boulder content									
4					AA215906	B	4.00		N = 38 (3, 4, 9, 10, 9, 10)	
5					AA215907	B	5.00		N = 42 (2, 8, 6, 9, 12, 15)	
6			13.17	6.20	AA215908	B	6.00		N = 50/75 mm (25, 50)	
	Obstruction End of Borehole at 6.20 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
1.80	2.00	0.75	
6.10	6.20	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments
11-02-24	6.20	6.20	5.00	Start of Day 2

REMARKS Weekend Work. CAT scanned location and hand dug inspection pit carried out.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH07**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,061.70 E 733,479.13 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	19.41	**BOREHOLE DEPTH (m)**	1.70
		DATE COMMENCED	20/01/2024
		DATE COMPLETED	20/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Samples: Sample Type	Samples: Depth (m)	Samples: Recovery	Field Test Results	Standpipe Details
0	CONCRETE		19.21	0.20						
	Clause 804-type stone FILL (MADE GROUND)		19.11	0.30						
	MADE GROUND comprising grey sandy gravelly Clay with cobbles and red brick fragments		18.91	0.50	AA210288	B	0.50			
1	Soft to firm grey mottled brown sandy silty gravelly CLAY with a low cobble content (Possible MADE GROUND)		18.21	1.20					N = 50/75 mm (25, 50)	
	Large BOULDER (Possible MADE GROUND)		17.71	1.70	AA210289	B	1.50			
2	Obstruction End of Borehole at 1.70 m									
3										
4										
5										
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
1.20	1.70	2	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS Weekend Work. CAT scanned location and hand dug inspection pit carried out. Pavement extracted using Xcalibre concrete coring rig. Obstruction encountered. Relocated to BH07A for rebore.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH07A**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,062.03 E 733,476.56 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	19.34	**BOREHOLE DEPTH (m)**	3.60
		DATE COMMENCED	20/01/2024
		DATE COMPLETED	21/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Samples: Sample Type	Samples: Depth (m)	Samples: Recovery	Field Test Results	Standpipe Details
0	CONCRETE		19.14	0.20						
	Clause 804-type stone FILL (MADE GROUND)		19.04	0.30						
1	MADE GROUND comprising grey sandy gravelly Clay with cobbles and red brick fragments		17.64	1.70	AA210290	B	1.00		N = 16 (0, 2, 2, 3, 5, 6)	
2	MADE GROUND comprising pinkish brown sandy gravelly Clay with cobbles and red brick fragments		16.34	3.00	AA210291	B	2.00		N = 25 (2, 3, 4, 5, 7, 9)	
3	Large BOULDER (Possible MADE GROUND)		15.74	3.60	AA210292	B	3.00		N = 50/75 mm (3, 25, 50)	
4	Obstruction End of Borehole at 3.60 m									
5										
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.00	6.60	2.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
3.10	3.10	No	3.00	20	Seepage

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS Weekend Work. CAT scanned location and hand dug inspection pit carried out. Pavement extracted using Xcalibre concrete coring rig. Borehole ended on possible obstruction / boulders.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH08**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,038.94 E 733,482.70 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	19.57	**BOREHOLE DEPTH (m)**	0.70
		DATE COMMENCED	20/01/2024
		DATE COMPLETED	21/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Samples: Sample Type	Samples: Depth (m)	Samples: Recovery	Field Test Results	Standpipe Details
0	CONCRETE		19.33	0.24						
	MADE GROUND comprising Sand and Gravel		19.27	0.30						
	MADE GROUND comprising grey sandy gravelly Clay with cobbles and red brick fragments		18.87	0.70						
1	Obstruction - Probable BOULDER End of Borehole at 0.70 m									
2										
3										
4										
5										
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
0.70	0.70	1	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS Weekend Work. CAT scanned location and hand dug inspection pit carried out. Pavement extracted using Xcalibre concrete coring rig. Obstruction encountered. Relocated to BH08A for rebore.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane	**BOREHOLE NO.**	**BH08A**
		SHEET	Sheet 1 of 1
CO-ORDINATES	714,040.73 E 733,480.94 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	19.55	**BOREHOLE DEPTH (m)**	8.00
		DATE COMMENCED	21/01/2024
		DATE COMPLETED	21/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	
		PROCESSED BY	FC

Depth (m)	Description	Legend	Elevation	Depth (m)	Samples: Ref. Number	Sample Type	Depth (m)	Recovery	Field Test Results	Standpipe Details
0	CONCRETE		19.35	0.20						
	MADE GROUND comprising Sand and Gravel		19.30	0.25						
	MADE GROUND comprising grey sandy gravelly Silt with cobbles and red brick fragments									
1					AA198365	B	1.00		N = 5 (1, 2, 1, 2, 1, 1)	
2			17.35	2.20	AA198366	B	2.00		N = 6 (1, 2, 2, 1, 2, 1)	
	Firm grey slightly sandy slightly gravelly SILT/CLAY. Gravel is fine.									
3					AA198367	B	3.00		N = 18 (1, 2, 3, 3, 4, 8)	
4			15.25	4.30	AA198368	B	4.00		N = 17 (2, 3, 4, 4, 5, 4)	
	Very stiff black slightly sandy slightly gravelly CLAY with a low cobble content									
5					AA198369	B	5.00		N = 33 (2, 4, 6, 8, 10, 9)	
6					AA198370	B	6.00		N = 55 (2, 8, 12, 13, 14, 16)	
7					AA198371	B	7.00		N = 65 (10, 15, 15, 20, 15, 15)	
			11.55	8.00						
8	Obstruction End of Borehole at 8.00 m				AA198372	B	8.00		N = 50/75 mm (25, 50)	
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
7.90	8.00	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS Weekend Work. CAT scanned location and hand dug inspection pit carried out. Pavement extracted using Xcalibre concrete coring rig.

Sample Legend
D - Small Disturbed (tub)
B - Bulk Disturbed
LB - Large Bulk Disturbed
Env - Environmental Sample (Jar + Vial + Tub)
UT - Undisturbed 100mm Diameter Sample
P - Undisturbed Piston Sample
W - Water Sample

IGSL BH LOG 25000- SITE 5.GPJ IGSL.GDT 22/3/24

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
CO-ORDINATES	
GROUND LEVEL (mOD)	
CLIENT	NDFA
ENGINEER	MORCE
BH NO.	**WS101**
SHEET	Sheet 1 of 1
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.18	Concrete core				
			0.18								
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)					0.18-1.00	100	227 blows			
			0.40								
	MADE GROUND (comprised of grey/brown/red sandy gravelly clay, concrete and brick rubble fill, angular stones)									ENV	0.50-1.30
1.0						1.00-1.30	90	310 blows			
			1.30								
	Obstruction - possible heavy rubble fill Final Depth 1.30m										
2.0											
3.0											

General Remarks
CAT scaned location for services and cored concrete; Obstruction at 1.3m due to possible heavy rubble fill; Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
CO-ORDINATES	
GROUND LEVEL (mOD)	
CLIENT	NDFA
ENGINEER	MORCE
BH NO.	**WS102**
SHEET	Sheet 1 of 1
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.24	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.24			0.24-1.00	70	84 blows			
	MADE GROUND (comprised of dark grey/black sandy gravelly clay, red brick, mortar, angular stones, ash)		0.50							ENV	0.50-1.00
1.0						1.00-1.80	70	268 blows		ENV	1.00-1.80
	Obstruction - possible heavy rubble fill Final Depth 1.80m		1.80								
2.0											
3.0											

General Remarks
CAT scaned location for services and cored concrete; Obstruction at 1.8m due to possible heavy rubble fill; Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS103**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	28/07/2024
DATE LOGGED	28/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.18	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.18			0.18-1.00	90	300 blows			
	MADE GROUND (comprised of dark grey/grey/black sandy gravelly clay, red brick, concrete rubble, ash, cobbles)		0.50								
1.0						1.00-2.00	80	134 blows		ENV	1.00-2.00
2.0						2.00-3.00	50	53 blows		ENV	2.00-3.00
	Firm to stiff, browish grey, sandy gravelly CLAY (possible original ground)		2.70								
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS104**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE		0.17			0.00-0.17	Concrete core				
	MADE GROUND (comprised of grey sandy gravel, cobbles, red brick pieces)		0.60			0.17-0.90	100	366 blows		ENV	0.30-0.90
	MADE GROUND (comprised of red brick and concrete rubble, mortar, dark grey/black sandy gravelly clay)		0.90								
1.0	Obstruction - possible heavy rubble fill Final Depth 0.90m										
2.0											
3.0											

General Remarks
CAT scaned location for services and cored concrete; Obstruction at 0.9m due to possible heavy rubble fill; Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS105**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.23	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.23			0.23-1.00	90	123 blows			
	MADE GROUND (comprised of brown/grey mottled clayey sandy angular gravel, cobbles, red brick pieces)		0.50							ENV	0.50-1.50
1.0						1.00-2.00	50	68 blows			
2.0						2.00-3.00	70	29 blows		ENV	2.00-3.00
	Firm to stiff, greyish brown, slightly sandy slightly gravelly CLAY (possible original ground)		2.80								
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS106**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.20	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.20			0.20-1.00	100	300 blows		ENV	0.20-1.00
	MADE GROUND (comprised of black/dark grey sandy gravelly clay, cobbles, red brick, mortar)		0.40								
1.0						1.00-2.00	70	300 blows		ENV	1.00-2.00
2.0						2.00-3.00	70	48 blows		ENV	2.00-3.00
	Firm, brown/grey mottled, sandy gravelly CLAY (possible original ground)		2.40								
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS107**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	28/07/2024
DATE LOGGED	28/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.20	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.20			0.20-1.00	70	128 blows			
	MADE GROUND (comprised of black/dark grey sandy gravelly clay, ash,sandy gravel, angular cobbles, red brick, mortar, concrete rubble)		0.40							ENV	0.50-1.50
1.0						1.00-2.00	80	83 blows			
2.0						2.00-3.00	100	45 blows			
	Firm, brown, slightly sandy slightly gravelly CLAY (possible original ground)		2.10							ENV	2.20-3.00
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS108**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.16	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.25			0.16-1.00	90	138 blows			
	MADE GROUND (comprised of black/dark grey/brown sandy gravelly clay, sandy gravel, angular cobbles, red brick, mortar, concrete rubble)		0.45								
1.0						1.00-2.00	80	67 blows		ENV	1.00-2.00
2.0						2.00-3.00	100	46 blows		ENV	2.00-3.00
	Firm to stiff, brown, slightly sandy gravelly CLAY (possible original ground)		2.35								
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS109**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	27/07/2024
DATE LOGGED	27/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.23	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.23			0.23-1.00	80	97 blows			
	MADE GROUND (comprised of black/dark grey/grey sandy gravelly clay, sandy gravel, red brick, mortar, concrete rubble, cobbles)		0.40							ENV	0.50-1.00
1.0						1.00-2.00	70	122 blows		ENV	1.00-2.00
2.0						2.00-3.00	85	64 blows		ENV	2.00-3.00
	Firm to stiff, greyish brown, slightly sandy slightly gravelly CLAY (possible original ground)		2.50								
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

WINDOW SAMPLE RECORD

REPORT NUMBER 25000-5

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 5 - Forbes Lane
BH NO.	**WS110**
SHEET	Sheet 1 of 1
CO-ORDINATES	
GROUND LEVEL (mOD)	
DATE DRILLED	28/07/2024
DATE LOGGED	28/07/2024
CLIENT	NDFA
ENGINEER	MORCE
DRILLED BY	C.Kavanagh
LOGGED BY	I.Reder

Depth (m)	Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Depth of Sample Run (m)	Recovery (%)	Blowcount	Samples Ref. Number	Samples Sample Type	Samples Depth (m)
0.0	CONCRETE					0.00-0.25	Concrete core				
	MADE GROUND (comprised of grey slightly clayey slightly sandy angular gravel - CL. 804)		0.25			0.25-1.00	90	142 blows			
	MADE GROUND (comprised of black/dark grey sandy gravelly clay, ash, sandy gravel, angular cobbles, red brick, mortar, concrete rubble)		0.40							ENV	0.50-1.50
1.0						1.00-2.00	70	95 blows			
2.0						2.00-3.00	80	52 blows			
	Firm to stiff, brown, slightly sandy slightly gravelly CLAY (possible original ground)		2.20							ENV	2.20-3.00
3.0	Final Depth 3.00m		3.00								

General Remarks
CAT scaned location for services and cored concrete;Backfilled with bentonie and reinstate concrete slab.

Installations

Appendix 2

Laboratory Report

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Amended Report

Report No.:	24-06753-2		
Initial Date of Issue:	18-Mar-2024	**Date of Re-Issue:**	17-Apr-2024
Re-Issue Details:	This report has been revised and directly supersedes 24-06753-1 in its entirety		
Client	IGSL		
Client Address:	M7 Business Park Naas County Kildare Ireland		
Contact(s):	Darren Keogh		
Project	25000-5 Forbes Lane		
Quotation No.:		**Date Received:**	05-Mar-2024
Order No.:		**Date Instructed:**	05-Mar-2024
No. of Samples:	25		
Turnaround (Wkdays):	33	**Results Due:**	22-Apr-2024
Date Approved:	17-Apr-2024		
Approved By:			
Details:	David Smith, Technical Director		

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

Results - Leachate

Project: 25000-5 Forbes Lane

Client: IGSL						**Chemtest Job No.:**	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:						**Chemtest Sample ID.:**	1775583	1775585	1775587	1775590	1775592	1775594	1775596	1775597	1775599	1775601
Order No.:						Client Sample Ref.:	BH1	BH2	BH3	BH4	BH5	BH6	BH7A	BH7A	BH8A	BH8A
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0
						Date Sampled:	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**											
Ammonium	U	1220	10:1	mg/l	0.050		< 0.050	0.48	0.47	0.072	0.15	0.14	< 0.050	0.062	0.20	0.063
Ammonium	N	1220	10:1	mg/kg	0.10		0.12	6.3	5.0	4.5	3.6	1.6	4.2	4.1	3.3	8.9

Results - Leachate

Project: 25000-5 Forbes Lane

Client: IGSL						**Chemtest Job No.:**	24-06753	24-06753	24-06753	24-06753
Quotation No.:						**Chemtest Sample ID.:**	1775602	1775603	1775605	1775606	1775607
Order No.:						Client Sample Ref.:	TP1	TP2	TP3	TPSA01	TPSA02
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	0.7	0.6	1.5	1.4	0.5
						Date Sampled:	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**						
Ammonium	U	1220	10:1	mg/l	0.050		< 0.050	0.52	0.50	0.49	0.25
Ammonium	N	1220	10:1	mg/kg	0.10		6.3	6.2	6.4	5.9	5.2

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775583	1775584	1775585	1775586	1775587	1775588	1775589
Order No.:				Client Sample Ref.:		BH1	BH1	BH2	BH2	BH3	BH3	BH3
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	5.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type		U	2192		N/A	-		-		-		
Asbestos Identification		U	2192		N/A	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected		
Moisture		N	2030	%	0.020	14	10	12	12	19	13	9.6
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Clay	Sand	Clay	Clay	Clay	Sand
pH (2.5:1) at 20C		N	2010		4.0		8.6		8.6		8.0	7.9
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.50		< 0.40		0.75		
Magnesium (Water Soluble)		N	2120	g/l	0.010		< 0.010		< 0.010		< 0.010	0.024
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		0.26		0.017		0.12	0.46
Total Sulphur		U	2175	%	0.010		0.041		0.022		0.053	0.81
Sulphur (Elemental)		M	2180	mg/kg	1.0	2.2		4.0		4.3		
Chloride (Water Soluble)		M	2220	g/l	0.010		0.34		0.031		0.17	0.12
Nitrate (Water Soluble)		N	2220	g/l	0.010		< 0.010		< 0.010		< 0.010	< 0.010
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50		
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.8		4.0		3.3		
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01		< 0.01	< 0.01
Sulphate (Total)		U	2430	%	0.010	0.11		0.35		0.045		
Sulphate (Acid Soluble)		U	2430	%	0.010		0.019		0.024		0.039	0.18
Arsenic		M	2455	mg/kg	0.5	22		23		15		
Barium		M	2455	mg/kg	0.5	110		95		84		
Cadmium		M	2455	mg/kg	0.10	3.2		3.2		3.2		
Chromium		M	2455	mg/kg	0.5	29		32		22		
Molybdenum		M	2455	mg/kg	0.5	4.5		5.4		5.5		
Antimony		N	2455	mg/kg	2.0	< 2.0		2.6		< 2.0		
Copper		M	2455	mg/kg	0.50	67		130		51		
Mercury		M	2455	mg/kg	0.05	0.19		0.33		0.13		
Nickel		M	2455	mg/kg	0.50	81		80		74		
Lead		M	2455	mg/kg	0.50	86		230		35		
Selenium		M	2455	mg/kg	0.25	1.2		1.6		1.1		
Zinc		M	2455	mg/kg	0.50	130		180		110		
Chromium (Trivalent)		N	2490	mg/kg	1.0	29		32		22		
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50		< 0.50		< 0.50		
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775583	1775584	1775585	1775586	1775587	1775588	1775589
Order No.:				Client Sample Ref.:		BH1	BH1	BH2	BH2	BH3	BH3	BH3
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	5.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25		
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	4.9		4.6		4.8		
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	< 1.0		< 1.0		< 1.0		
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0		< 2.0		< 2.0		
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	6.3		4.2		5.1		
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10		< 10		< 10		
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	11		8.9		10		
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25		
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	1.2		< 1.0		1.4		
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0		< 1.0		< 1.0		
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	3.6		< 2.0		3.9		
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	< 2.0		< 2.0		< 2.0		
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	1.8		1.3		< 1.0		
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	< 5.0		< 5.0		5.4		
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50		< 0.50		< 0.50		
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	16		< 10		15		
Mineral Oil EPH		N	2670	mg/kg	10	11		< 10		10		
Diesel Present		N	2670		N/A							
Benzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
Toluene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
o-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		
Naphthalene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Acenaphthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Fluorene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Phenanthrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Pyrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Chrysene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775583	1775584	1775585	1775586	1775587	1775588	1775589
Order No.:				Client Sample Ref.:		BH1	BH1	BH2	BH2	BH3	BH3	BH3
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	5.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
PCB 28		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 52		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 101		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 118		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 153		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 138		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
PCB 180		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		
Total PCBs (7 Congeners)		U	2815	mg/kg	0.10	< 0.10		< 0.10		< 0.10		
Total Phenols		M	2920	mg/kg	0.10	< 0.10		< 0.10		< 0.10		

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775590	1775591	1775592	1775593	1775594	1775595	1775596
Order No.:				Client Sample Ref.:		BH4	BH4	BH5	BH5	BH6	BH6	BH7A
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	1.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type		U	2192		N/A	-		-		-		-
Asbestos Identification		U	2192		N/A	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected		No Asbestos Detected
Moisture		N	2030	%	0.020	12	11	17	14	32	15	15
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones and Roots	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Clay	Sand	Sand	Sand
pH (2.5:1) at 20C		N	2010		4.0		9.6		8.9		8.8	
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.44		1.9		0.61		1.3
Magnesium (Water Soluble)		N	2120	g/l	0.010		< 0.010		< 0.010		< 0.010	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		0.032		< 0.010		0.34	
Total Sulphur		U	2175	%	0.010		0.031		0.038		0.26	
Sulphur (Elemental)		M	2180	mg/kg	1.0	84		< 1.0		4.2		4.8
Chloride (Water Soluble)		M	2220	g/l	0.010		0.98		0.011		0.042	
Nitrate (Water Soluble)		N	2220	g/l	0.010		< 0.010		0.015		0.015	
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	8.7		3.9		4.2		4.1
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01		< 0.01	
Sulphate (Total)		U	2430	%	0.010	0.38		0.31		0.37		0.59
Sulphate (Acid Soluble)		U	2430	%	0.010		0.071		0.033		0.11	
Arsenic		M	2455	mg/kg	0.5	17		18		28		9.1
Barium		M	2455	mg/kg	0.5	77		94		210		97
Cadmium		M	2455	mg/kg	0.10	1.8		1.1		1.2		0.52
Chromium		M	2455	mg/kg	0.5	23		21		23		17
Molybdenum		M	2455	mg/kg	0.5	2.6		1.4		5.9		1.7
Antimony		N	2455	mg/kg	2.0	< 2.0		< 2.0		2.6		< 2.0
Copper		M	2455	mg/kg	0.50	130		65		220		45
Mercury		M	2455	mg/kg	0.05	0.25		0.27		2.0		0.09
Nickel		M	2455	mg/kg	0.50	58		32		97		26
Lead		M	2455	mg/kg	0.50	280		230		2400		110
Selenium		M	2455	mg/kg	0.25	1.1		0.63		1.5		0.66
Zinc		M	2455	mg/kg	0.50	120		130		280		65
Chromium (Trivalent)		N	2490	mg/kg	1.0	23		21		23		17
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775590	1775591	1775592	1775593	1775594	1775595	1775596
Order No.:				Client Sample Ref.:		BH4	BH4	BH5	BH5	BH6	BH6	BH7A
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	1.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25		< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	5.8		6.6		13		6.2
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	2.9		< 1.0		4.7		< 1.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	7.2		< 2.0		< 2.0		< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	16		< 3.0		< 3.0		93
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	12		< 10		< 10		12
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	32		9.4		20		100
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05		< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25		< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	2.6		1.5		7.7		1.2
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	7.0		< 1.0		56		< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	53		21		500		4.2
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	86		69		600		7.6
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	7.3		2.6		66		6.7
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	150		92		1200		13
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50		< 0.50		< 0.50		< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	180		100		1200		110
Mineral Oil EPH		N	2670	mg/kg	10	44		< 10		20		110
Diesel Present		N	2670		N/A					False		
Benzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		4.3
Toluene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0
Naphthalene		M	2800	mg/kg	0.10	0.85		0.59		4.4		< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10		0.18		0.24		< 0.10
Acenaphthene		M	2800	mg/kg	0.10	0.97		1.2		12		< 0.10
Fluorene		M	2800	mg/kg	0.10	1.0		1.0		12		< 0.10
Phenanthrene		M	2800	mg/kg	0.10	6.0		9.4		110		0.36
Anthracene		M	2800	mg/kg	0.10	1.6		2.8		28		< 0.10
Fluoranthene		M	2800	mg/kg	0.10	7.9		17		120		0.36
Pyrene		M	2800	mg/kg	0.10	6.6		14		89		0.37
Benzo[a]anthracene		M	2800	mg/kg	0.10	3.2		8.8		49		< 0.10
Chrysene		M	2800	mg/kg	0.10	2.7		8.7		48		< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	3.9		13		58		< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	1.4		4.9		23		< 0.10

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775590	1775591	1775592	1775593	1775594	1775595	1775596
Order No.:				Client Sample Ref.:		BH4	BH4	BH5	BH5	BH6	BH6	BH7A
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.0	2.0	1.0	2.0	1.0	2.0	1.0
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Benzo[a]pyrene		M	2800	mg/kg	0.10	3.1		11		46		< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	1.6		7.4		30		< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	0.32		1.1		6.7		< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	1.5		7.7		28		< 0.10
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10
PCB 28		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 118		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010		< 0.010
Total PCBs (7 Congeners)		U	2815	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10
Total Phenols		M	2920	mg/kg	0.10	0.16		< 0.10		< 0.10		< 0.10

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775597	1775598	1775599	1775600	1775601	1775602	1775603
Order No.:				Client Sample Ref.:		BH7A	BH7A	BH8A	BH8A	BH8A	TP1	TP2
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.0	3.0	1.0	2.0	3.0	0.7	0.6
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type		U	2192		N/A	-		-		-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	18	17	25	25	16	9.2	24
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Clay
pH (2.5:1) at 20C		N	2010		4.0		9.6		8.9			
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	2.1		1.7		< 0.40	0.46	1.5
Magnesium (Water Soluble)		N	2120	g/l	0.010		< 0.010		< 0.010			
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		0.33		0.13			
Total Sulphur		U	2175	%	0.010		0.11		0.19			
Sulphur (Elemental)		M	2180	mg/kg	1.0	< 1.0		5.0		35	2.7	5.5
Chloride (Water Soluble)		M	2220	g/l	0.010		0.082		0.037			
Nitrate (Water Soluble)		N	2220	g/l	0.010		0.028		< 0.010			
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50		< 0.50		< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.0		3.3		7.1	3.3	3.2
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01			
Sulphate (Total)		U	2430	%	0.010	0.14		0.15		0.25	0.36	0.18
Sulphate (Acid Soluble)		U	2430	%	0.010		0.21		0.15			
Arsenic		M	2455	mg/kg	0.5	8.2		19		13	15	30
Barium		M	2455	mg/kg	0.5	45		91		51	63	110
Cadmium		M	2455	mg/kg	0.10	0.30		1.6		1.6	0.43	2.7
Chromium		M	2455	mg/kg	0.5	9.7		19		13	9.4	30
Molybdenum		M	2455	mg/kg	0.5	0.7		3.7		2.5	< 0.5	4.6
Antimony		N	2455	mg/kg	2.0	< 2.0		< 2.0		< 2.0	< 2.0	2.1
Copper		M	2455	mg/kg	0.50	26		80		29	15	130
Mercury		M	2455	mg/kg	0.05	0.08		0.23		< 0.05	0.06	1.6
Nickel		M	2455	mg/kg	0.50	17		50		42	15	74
Lead		M	2455	mg/kg	0.50	720		170		17	28	470
Selenium		M	2455	mg/kg	0.25	< 0.25		0.81		0.66	0.26	1.2
Zinc		M	2455	mg/kg	0.50	41		120		72	59	200
Chromium (Trivalent)		N	2490	mg/kg	1.0	9.7		19		13	9.4	30
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50		< 0.50		< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL			**Chemtest Job No.:**			24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:			**Chemtest Sample ID.:**			1775597	1775598	1775599	1775600	1775601	1775602	1775603
Order No.:			Client Sample Ref.:			BH7A	BH7A	BH8A	BH8A	BH8A	TP1	TP2
			Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			2.0	3.0	1.0	2.0	3.0	0.7	0.6
			Date Sampled:			28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
			Asbestos Lab:			DURHAM		DURHAM		DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	4.9		6.5		5.6	12	6.7
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	< 1.0		< 1.0		< 1.0	23	2.3
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0		< 2.0		< 2.0	26	< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	< 3.0		7.4		7.0	66	9.5
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10		< 10		< 10	24	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	7.9		14		13	130	20
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05		< 0.05		< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25		< 0.25		< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	2.3		< 1.0		1.6	< 1.0	1.9
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0		< 1.0		< 1.0	11	< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	3.6		6.3		3.4	44	2.6
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	< 2.0		2.2		< 2.0	38	2.1
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	1.7		1.7		2.8	25	2.8
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	5.8		9.1		< 5.0	94	6.7
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50		< 0.50		< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	14		23		17	220	26
Mineral Oil EPH		N	2670	mg/kg	10	< 10		14		13	150	20
Diesel Present		N	2670		N/A							
Benzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	< 0.10		0.14		< 0.10	0.85	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	0.11	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10		0.20		< 0.10	1.6	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10		0.19		< 0.10	1.4	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	< 0.10		1.5		< 0.10	7.4	< 0.10
Anthracene		M	2800	mg/kg	0.10	< 0.10		0.48		< 0.10	2.0	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	< 0.10		2.1		< 0.10	13	< 0.10
Pyrene		M	2800	mg/kg	0.10	< 0.10		1.9		< 0.10	9.8	< 0.10
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		1.1		< 0.10	4.8	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10		1.2		< 0.10	5.0	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10		1.2		< 0.10	5.7	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10		0.41		< 0.10	2.1	< 0.10

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775597	1775598	1775599	1775600	1775601	1775602	1775603
Order No.:				Client Sample Ref.:		BH7A	BH7A	BH8A	BH8A	BH8A	TP1	TP2
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.0	3.0	1.0	2.0	3.0	0.7	0.6
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM		DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10		0.86		< 0.10	4.3	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10		0.43		< 0.10	2.1	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	0.45	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10		0.47		< 0.10	2.4	< 0.10
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10
PCB 28		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 118		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010		< 0.010		< 0.010	< 0.010	< 0.010
Total PCBs (7 Congeners)		U	2815	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10
Total Phenols		M	2920	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10	< 0.10

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775604	1775605	1775606	1775607
Order No.:				Client Sample Ref.:		TP2	TP3	TPSA01	TPSA02
				Sample Type:		SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.4	1.5	1.4	0.5
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:			DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
ACM Type		U	2192		N/A		-	-	-
Asbestos Identification		U	2192		N/A		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	16	7.6	21	6.0
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand
pH (2.5:1) at 20C		N	2010		4.0	8.7			
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40		< 0.40	0.99	1.1
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010			
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	< 0.010			
Total Sulphur		U	2175	%	0.010	0.020			
Sulphur (Elemental)		M	2180	mg/kg	1.0		< 1.0	1.3	< 1.0
Chloride (Water Soluble)		M	2220	g/l	0.010	0.15			
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010			
Cyanide (Total)		M	2300	mg/kg	0.50		< 0.50	< 0.50	0.60
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50		4.7	3.2	3.6
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01			
Sulphate (Total)		U	2430	%	0.010		0.13	0.050	0.16
Sulphate (Acid Soluble)		U	2430	%	0.010	0.030			
Arsenic		M	2455	mg/kg	0.5		13	12	14
Barium		M	2455	mg/kg	0.5		49	120	200
Cadmium		M	2455	mg/kg	0.10		0.43	3.4	11
Chromium		M	2455	mg/kg	0.5		13	21	16
Molybdenum		M	2455	mg/kg	0.5		0.8	3.6	1.8
Antimony		N	2455	mg/kg	2.0		< 2.0	< 2.0	5.9
Copper		M	2455	mg/kg	0.50		28	130	1200
Mercury		M	2455	mg/kg	0.05		0.16	0.14	0.28
Nickel		M	2455	mg/kg	0.50		22	53	39
Lead		M	2455	mg/kg	0.50		63	150	1100
Selenium		M	2455	mg/kg	0.25		0.45	0.69	0.71
Zinc		M	2455	mg/kg	0.50		63	140	480
Chromium (Trivalent)		N	2490	mg/kg	1.0		13	21	16
Chromium (Hexavalent)		N	2490	mg/kg	0.50		< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL			**Chemtest Job No.:**			24-06753	24-06753	24-06753	24-06753
Quotation No.:			**Chemtest Sample ID.:**			1775604	1775605	1775606	1775607
Order No.:			Client Sample Ref.:			TP2	TP3	TPSA01	TPSA02
			Sample Type:			SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			1.4	1.5	1.4	0.5
			Date Sampled:			28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
			Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00		6.4	6.9	6.4
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00		< 1.0	< 1.0	< 1.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00		< 2.0	< 2.0	< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00		3.0	6.1	15
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00		< 10	< 10	11
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00		9.4	13	23
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00		1.1	1.2	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00		< 1.0	< 1.0	< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00		9.1	2.5	43
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00		10	< 2.0	96
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00		1.2	2.1	8.6
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00		21	< 5.0	140
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50		< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00		30	17	160
Mineral Oil EPH		N	2670	mg/kg	10		< 10	13	34
Diesel Present		N	2670		N/A				
Benzene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10		0.44	< 0.10	0.42
Acenaphthylene		N	2800	mg/kg	0.10		< 0.10	< 0.10	0.37
Acenaphthene		M	2800	mg/kg	0.10		0.83	< 0.10	0.69
Fluorene		M	2800	mg/kg	0.10		0.51	< 0.10	0.74
Phenanthrene		M	2800	mg/kg	0.10		4.4	< 0.10	9.8
Anthracene		M	2800	mg/kg	0.10		0.83	< 0.10	3.1
Fluoranthene		M	2800	mg/kg	0.10		5.3	< 0.10	19
Pyrene		M	2800	mg/kg	0.10		4.1	< 0.10	15
Benzo[a]anthracene		M	2800	mg/kg	0.10		2.1	< 0.10	11
Chrysene		M	2800	mg/kg	0.10		2.6	< 0.10	10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10		2.7	< 0.10	14
Benzo[k]fluoranthene		M	2800	mg/kg	0.10		0.92	< 0.10	5.6

Results - Soil

Project: 25000-5 Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-06753	24-06753	24-06753	24-06753
Quotation No.:				**Chemtest Sample ID.:**		1775604	1775605	1775606	1775607
Order No.:				Client Sample Ref.:		TP2	TP3	TPSA01	TPSA02
				Sample Type:		SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.4	1.5	1.4	0.5
				Date Sampled:		28-Feb-2024	28-Feb-2024	28-Feb-2024	28-Feb-2024
				Asbestos Lab:			DURHAM	DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**				
Benzo[a]pyrene		M	2800	mg/kg	0.10		2.0	< 0.10	11
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10		1.0	< 0.10	6.8
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10		< 0.10	< 0.10	1.1
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10		1.3	< 0.10	6.5
Coronene		N	2800	mg/kg	0.10		< 0.10	< 0.10	< 0.10
PCB 28		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 118		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 153		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 138		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010		< 0.010	< 0.010	< 0.010
Total PCBs (7 Congeners)		U	2815	mg/kg	0.10		< 0.10	< 0.10	< 0.10
Total Phenols		M	2920	mg/kg	0.10		< 0.10	< 0.10	< 0.10

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775583							
Sample Ref:	BH1							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.73	3	5	6
Loss On Ignition	2610		M	%	3.4	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	36	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.8	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.020	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.028	0.28	0.5	2	25
Barium	1455		U	0.023	0.23	20	100	300
Cadmium	1455		U	0.00038	0.0038	0.04	1	5
Chromium	1455		U	0.017	0.17	0.5	10	70
Copper	1455		U	0.037	0.37	2	50	100
Mercury	1455		U	0.00010	0.0010	0.01	0.2	2
Molybdenum	1455		U	0.018	0.18	0.5	10	30
Nickel	1455		U	0.022	0.22	0.4	10	40
Lead	1455		U	0.025	0.25	0.5	10	50
Antimony	1455		U	0.0031	0.031	0.06	0.7	5
Selenium	1455		U	0.0071	0.071	0.1	0.5	7
Zinc	1455		U	0.15	1.5	4	50	200
Chloride	1220		U	85	850	800	15000	25000
Fluoride	1220		U	0.63	6.3	10	150	500
Sulphate	1220		U	24	240	1000	20000	50000
Total Dissolved Solids	1020		N	290	2900	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	12

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775585							
Sample Ref:	BH2							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	1.1	3	5	6
Loss On Ignition	2610		M	%	4.1	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	32	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		9.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.031	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0018	0.018	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0016	0.016	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.042	0.42	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0025	0.025	0.1	0.5	7
Zinc	1455		U	0.018	0.18	4	50	200
Chloride	1220		U	3.7	37	800	15000	25000
Fluoride	1220		U	0.52	5.2	10	150	500
Sulphate	1220		U	23	230	1000	20000	50000
Total Dissolved Solids	1020		N	88	880	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	10

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775587							
Sample Ref:	BH3							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.68	3	5	6
Loss On Ignition	2610		M	%	3.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	39	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.029	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0006	0.0055	0.5	2	25
Barium	1455		U	0.009	0.087	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0008	0.0084	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0080	0.080	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.014	0.14	4	50	200
Chloride	1220		U	29	290	800	15000	25000
Fluoride	1220		U	0.55	5.5	10	150	500
Sulphate	1220		U	17	170	1000	20000	50000
Total Dissolved Solids	1020		N	140	1400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.7	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	16

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775590							
Sample Ref:	BH4							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	2.0	3	5	6
Loss On Ignition	2610		M	%	3.5	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	270	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	43	100	--	--
pH at 20C	2010		M		10.1	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.041	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.041	0.41	0.5	2	25
Barium	1455		U	0.005	0.052	20	100	300
Cadmium	1455		U	0.00053	0.0053	0.04	1	5
Chromium	1455		U	0.0027	0.027	0.5	10	70
Copper	1455		U	0.072	0.72	2	50	100
Mercury	1455		U	0.00010	0.0010	0.01	0.2	2
Molybdenum	1455		U	0.012	0.12	0.5	10	30
Nickel	1455		U	0.011	0.11	0.4	10	40
Lead	1455		U	0.047	0.47	0.5	10	50
Antimony	1455		U	0.0081	0.081	0.06	0.7	5
Selenium	1455		U	0.0058	0.059	0.1	0.5	7
Zinc	1455		U	0.032	0.32	4	50	200
Chloride	1220		U	52	520	800	15000	25000
Fluoride	1220		U	0.24	2.4	10	150	500
Sulphate	1220		U	17	170	1000	20000	50000
Total Dissolved Solids	1020		N	220	2200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	10	100	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	11

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775592							
Sample Ref:	BH5							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	2.3	3	5	6
Loss On Ignition	2610		M	%	4.6	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC With Florisil	2670	EH_CU_1D_Total	M	mg/kg	1200	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	110	100	--	--
pH at 20C	2010		M		8.9	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.052	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.025	0.25	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0033	0.033	0.5	10	70
Copper	1455		U	0.0061	0.061	2	50	100
Mercury	1455		U	0.00006	0.00059	0.01	0.2	2
Molybdenum	1455		U	0.0040	0.040	0.5	10	30
Nickel	1455		U	0.0006	0.0057	0.4	10	40
Lead	1455		U	0.0074	0.074	0.5	10	50
Antimony	1455		U	0.0010	0.0099	0.06	0.7	5
Selenium	1455		U	0.0023	0.023	0.1	0.5	7
Zinc	1455		U	0.016	0.16	4	50	200
Chloride	1220		U	3.7	37	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	23	230	1000	20000	50000
Total Dissolved Solids	1020		N	87	860	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	8.6	86	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

Chemtest Job No:	24-06753					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1775594							
Sample Ref:	BH6							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	14	3	5	6
Loss On Ignition	2610		M	%	18	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	3300	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	660	100	--	--
pH at 20C	2010		M		8.0	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.044	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0064	0.064	0.5	2	25
Barium	1455		U	0.007	0.067	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0047	0.047	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0053	0.053	0.5	10	30
Nickel	1455		U	0.0008	0.0082	0.4	10	40
Lead	1455		U	0.023	0.23	0.5	10	50
Antimony	1455		U	0.0010	0.0099	0.06	0.7	5
Selenium	1455		U	0.0015	0.015	0.1	0.5	7
Zinc	1455		U	0.030	0.30	4	50	200
Chloride	1220		U	2.3	23	800	15000	25000
Fluoride	1220		U	0.40	4.0	10	150	500
Sulphate	1220		U	26	260	1000	20000	50000
Total Dissolved Solids	1020		N	99	980	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	9.0	90	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	24

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775596							
Sample Ref:	BH7A							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	1.9	3	5	6
Loss On Ignition	2610		M	%	4.8	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	370	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	1.1	100	--	--
pH at 20C	2010		M		10.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.030	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0003	0.0027	0.5	2	25
Barium	1455		U	0.052	0.52	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0021	0.021	0.5	10	70
Copper	1455		U	0.015	0.15	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.013	0.13	0.5	10	30
Nickel	1455		U	0.0040	0.040	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0032	0.032	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	20	200	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	26	260	1000	20000	50000
Total Dissolved Solids	1020		N	640	6400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	7.6	76	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Chemtest Sample ID:	1775597							
Sample Ref:	BH7A							
Sample ID:								
Sample Location:								
Top Depth(m):	2.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	1.9	3	5	6
Loss On Ignition	2610		M	%	4.1	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	110	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		9.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.032	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0055	0.055	0.5	2	25
Barium	1455		U	0.006	0.063	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0013	0.013	0.5	10	70
Copper	1455		U	0.0016	0.016	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0045	0.045	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0027	0.027	0.5	10	50
Antimony	1455		U	0.0007	0.0068	0.06	0.7	5
Selenium	1455		U	0.0020	0.020	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	12	120	800	15000	25000
Fluoride	1220		U	0.75	7.5	10	150	500
Sulphate	1220		U	30	300	1000	20000	50000
Total Dissolved Solids	1020		N	130	1300	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.4	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775599							
Sample Ref:	BH8A							
Sample ID:								
Sample Location:								
Top Depth(m):	1.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	2.7	3	5	6
Loss On Ignition	2610		M	%	2.5	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	180	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	12	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.052	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0093	0.093	0.5	2	25
Barium	1455		U	0.005	0.053	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0007	0.0066	0.5	10	70
Copper	1455		U	0.0034	0.034	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0093	0.093	0.5	10	30
Nickel	1455		U	0.0006	0.0055	0.4	10	40
Lead	1455		U	0.0016	0.016	0.5	10	50
Antimony	1455		U	0.0006	0.0063	0.06	0.7	5
Selenium	1455		U	0.0016	0.016	0.1	0.5	7
Zinc	1455		U	0.017	0.17	4	50	200
Chloride	1220		U	4.7	47	800	15000	25000
Fluoride	1220		U	0.24	2.4	10	150	500
Sulphate	1220		U	16	160	1000	20000	50000
Total Dissolved Solids	1020		N	97	960	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	7.4	74	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	20

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775601							
Sample Ref:	BH8A							
Sample ID:								
Sample Location:								
Top Depth(m):	3.0							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	0.40	3	5	6
Loss On Ignition	2610		M	%	5.5	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	51	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		9.0	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.020	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.027	0.27	0.5	2	25
Barium	1455		U	0.015	0.15	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0008	0.0078	0.5	10	70
Copper	1455		U	0.012	0.12	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.016	0.16	0.5	10	30
Nickel	1455		U	0.0052	0.052	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.012	0.12	0.06	0.7	5
Selenium	1455		U	0.013	0.13	0.1	0.5	7
Zinc	1455		U	0.013	0.13	4	50	200
Chloride	1220		U	12	120	800	15000	25000
Fluoride	1220		U	0.13	1.3	10	150	500
Sulphate	1220		U	17	170	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	7.6	76	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Chemtest Sample ID:	1775602							
Sample Ref:	TP1							
Sample ID:								
Sample Location:								
Top Depth(m):	0.7							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	3.4	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	210	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	63	100	--	--
pH at 20C	2010		M		9.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.034	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0010	0.010	0.5	2	25
Barium	1455		U	0.021	0.21	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0036	0.036	0.5	10	70
Copper	1455		U	0.0027	0.027	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0014	0.015	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0027	0.027	0.06	0.7	5
Selenium	1455		U	0.0011	0.011	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	16	160	800	15000	25000
Fluoride	1220		U	0.21	2.1	10	150	500
Sulphate	1220		U	37	370	1000	20000	50000
Total Dissolved Solids	1020		N	280	2800	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.0	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	8.5

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Chemtest Sample ID:	1775603							
Sample Ref:	TP2							
Sample ID:								
Sample Location:								
Top Depth(m):	0.6							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	4.9	3	5	6
Loss On Ignition	2610		M	%	1.4	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	60	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.041	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0076	0.076	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0014	0.014	0.5	10	70
Copper	1455		U	0.010	0.10	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0097	0.097	0.5	10	30
Nickel	1455		U	0.0035	0.035	0.4	10	40
Lead	1455		U	0.011	0.11	0.5	10	50
Antimony	1455		U	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	0.0011	0.011	0.1	0.5	7
Zinc	1455		U	0.026	0.26	4	50	200
Chloride	1220		U	22	220	800	15000	25000
Fluoride	1220		U	0.22	2.2	10	150	500
Sulphate	1220		U	2.8	28	1000	20000	50000
Total Dissolved Solids	1020		N	100	1000	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	8.3	83	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	19

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

Chemtest Job No:	24-06753					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1775605							
Sample Ref:	TP3							
Sample ID:								
Sample Location:								
Top Depth(m):	1.5							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.43	3	5	6
Loss On Ignition	2610		M	%	11	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	75	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	29	100	--	--
pH at 20C	2010		M		8.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.035	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0055	0.055	0.5	2	25
Barium	1455		U	0.009	0.087	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0005	0.0054	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0050	0.050	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0012	0.012	0.1	0.5	7
Zinc	1455		U	0.019	0.19	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	34	340	1000	20000	50000
Total Dissolved Solids	1020		N	80	800	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.3	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	7.0

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775606							
Sample Ref:	TPSA01							
Sample ID:								
Sample Location:								
Top Depth(m):	1.4							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.56	3	5	6
Loss On Ignition	2610		M	%	1.8	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	48	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.039	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0016	0.016	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0020	0.020	0.5	10	70
Copper	1455		U	0.0042	0.042	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0075	0.075	0.5	10	30
Nickel	1455		U	0.0024	0.024	0.4	10	40
Lead	1455		U	0.0012	0.012	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0017	0.017	0.1	0.5	7
Zinc	1455		U	0.041	0.41	4	50	200
Chloride	1220		U	36	360	800	15000	25000
Fluoride	1220		U	0.35	3.5	10	150	500
Sulphate	1220		U	15	150	1000	20000	50000
Total Dissolved Solids	1020		N	140	1400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	17

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: 25000-5 Forbes Lane

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-06753							
Chemtest Sample ID:	1775607							
Sample Ref:	TPSA02							
Sample ID:								
Sample Location:								
Top Depth(m):	0.5							
Bottom Depth(m):								
Sampling Date:	28-Feb-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	9.2	3	5	6
Loss On Ignition	2610		M	%	3.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	540	500	--	--
Total Of 17 PAH's Lower	2800		N	mg/kg	120	100	--	--
pH at 20C	2010		M		8.8	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.029	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.015	0.15	0.5	2	25
Barium	1455		U	0.010	0.096	20	100	300
Cadmium	1455		U	0.00073	0.0073	0.04	1	5
Chromium	1455		U	0.0017	0.017	0.5	10	70
Copper	1455		U	0.12	1.2	2	50	100
Mercury	1455		U	0.00010	0.00096	0.01	0.2	2
Molybdenum	1455		U	0.0034	0.034	0.5	10	30
Nickel	1455		U	0.0024	0.024	0.4	10	40
Lead	1455		U	0.11	1.1	0.5	10	50
Antimony	1455		U	0.0060	0.060	0.06	0.7	5
Selenium	1455		U	0.0017	0.017	0.1	0.5	7
Zinc	1455		U	0.055	0.55	4	50	200
Chloride	1220		U	24	240	800	15000	25000
Fluoride	1220		U	0.53	5.3	10	150	500
Sulphate	1220		U	14	140	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	7.8	78	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	5.6

Waste Acceptance Criteria

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

TPH Interpretation

Job	Sample	Matrix	Location	Sample Ref	Sample ID	Sample Depth (m)	Gasoline / Diesel Present	TPH Interpretation
24-06753	1775594	S		BH6		1.0	No	PAH

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2015	Acid Neutralisation Capacity	Acid Reserve	Titration	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurememt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N–dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS. Reported PCB 101 results may contain contributions from PCB 90 due to inseparable chromatography.	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water

Report Information

RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

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

HWOL Acronym System

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

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	24-24586-1
Initial Date of Issue:	19-Aug-2024
Re-Issue Details:	
Client	IGSL
Client Address:	M7 Business Park Naas County Kildare Ireland
Contact(s):	Darren Keogh
Project	Forbes Lane

Quotation No.:		**Date Received:**	01-Aug-2024
Order No.:		**Date Instructed:**	01-Aug-2024
No. of Samples:	21		
Turnaround (Wkdays):	7	**Results Due:**	09-Aug-2024
Date Approved:	19-Aug-2024		

Approved By:

Details: David Smith, Technical Director

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

Results - Leachate

Project: Forbes Lane

Client: IGSL						Chemtest Job No.:	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:						Chemtest Sample ID.:	1844630	1844631	1844632	1844633	1844634	1844635	1844636	1844637	1844638	1844639	1844640
Order No.:						Client Sample Ref.:	WS103	WS103	WS109	WS109	WS108	WS108	WS109	WS103	WS107	WS107	WS102
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	0.20	2.00	0.50	1.00	2.00	1.00	2.00	1.00	0.50	2.20	1.00
						Bottom Depth (m):	1.00	3.00	1.00	2.00	3.00	2.00	3.00	2.00	1.50	3.00	1.80
						Date Sampled:	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**												
Ammonium	U	1220	10:1	mg/l	0.050		0.099	0.069	0.089	< 0.050	0.096	0.060	0.086	0.079	0.077	0.13	< 0.050
Ammonium	N	1220	10:1	mg/kg	0.10		1.3	0.83	1.1	0.70	1.1	0.87	1.0	1.0	0.86	1.4	0.87

Results - Leachate

Project: Forbes Lane

Client: IGSL						**Chemtest Job No.:**	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:						**Chemtest Sample ID.:**	1844641	1844642	1844643	1844644	1844645	1844646	1844647	1844648	1844649	1844650
Order No.:						Client Sample Ref.:	WS105	WS106	WS106	WS102	WS101	WS106	WS105	WS104	WS110	WS110
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	0.50	0.20	1.00	0.50	0.50	2.00	2.00	0.30	0.50	2.20
						Bottom Depth (m):	1.50	1.00	2.00	1.00	1.30	3.00	3.00	0.90	1.50	3.00
						Date Sampled:	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**											
Ammonium	U	1220	10:1	mg/l	0.050		0.072	< 0.050	< 0.050	0.093	0.087	0.065	< 0.050	< 0.050	0.052	0.081
Ammonium	N	1220	10:1	mg/kg	0.10		0.94	0.70	0.75	1.1	1.5	0.99	0.55	0.49	0.93	0.92

Results - Soil

Project: Forbes Lane

Client: IGSL			**Chemtest Job No.:**			24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:			**Chemtest Sample ID.:**			1844630	1844631	1844632	1844633	1844634	1844635	1844636	1844637
Order No.:			Client Sample Ref.:			WS103	WS103	WS109	WS109	WS108	WS108	WS109	WS103
			Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			0.20	2.00	0.50	1.00	2.00	1.00	2.00	1.00
			Bottom Depth (m):			1.00	3.00	1.00	2.00	3.00	2.00	3.00	2.00
			Date Sampled:			31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
			Asbestos Lab:			NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
ACM Type		U	2192		N/A	-	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	14	11	12	18	14	15	9.6	17
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	1.0	2.2	2.8	3.0	1.2	1.8	0.74	3.7
Sulphur (Elemental)		M	2180	mg/kg	1.0	8.4	16	460	23	1.7	< 1.0	1.8	2.5
Cyanide (Total)		M	2300	mg/kg	0.50	0.50	< 0.50	1.9	< 0.50	6.0	0.50	0.50	7.0
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	1.9	5.9	1.5	5.4	10	16	8.4	5.3
Sulphate (Total)		U	2430	%	0.010	0.10	0.11	0.25	0.37	0.37	0.29	0.17	0.32
Arsenic		M	2455	mg/kg	0.5	6.6	5.6	18	2.7	9.4	1.8	13	2.0
Barium		M	2455	mg/kg	0.5	50	28	190	28	73	39	69	9.6
Cadmium		M	2455	mg/kg	0.10	1.1	0.90	1.4	< 0.10	1.3	< 0.10	2.6	< 0.10
Chromium		M	2455	mg/kg	0.5	7.9	6.9	14	4.1	10	1.6	14	1.9
Molybdenum		M	2455	mg/kg	0.5	1.2	1.9	2.4	< 0.5	1.9	< 0.5	3.4	0.5
Antimony		N	2455	mg/kg	2.0	< 2.0	< 2.0	2.9	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Copper		M	2455	mg/kg	0.50	87	22	93	140	31	16	40	18
Mercury		M	2455	mg/kg	0.05	0.20	0.10	1.1	0.87	0.13	0.43	0.12	0.72
Nickel		M	2455	mg/kg	0.50	16	26	28	8.4	30	3.1	47	8.5
Lead		M	2455	mg/kg	0.50	340	42	1200	920	30	120	35	150
Selenium		M	2455	mg/kg	0.25	0.78	0.97	1.4	< 0.25	1.4	< 0.25	2.0	< 0.25
Zinc		M	2455	mg/kg	0.50	120	48	180	38	58	87	110	30
Chromium (Trivalent)		N	2490	mg/kg	1.0	7.9	6.9	14	4.1	10	1.6	14	1.9
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0	< 2.0	< 2.0	9.4	< 2.0	2.0	< 2.0	3.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	1.9	1.2	1.9	19	1.0	1.5	< 1.0	3.7
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	2.1	< 2.0	2.9	13	< 2.0	< 2.0	< 2.0	2.8
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	7.0	5.9	12	3.3	16	16	5.2	8.1
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	12	9.1	18	45	20	20	7.8	18
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Results - Soil

Project: Forbes Lane

Client: IGSL			**Chemtest Job No.:**	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:			**Chemtest Sample ID.:**	1844630	1844631	1844632	1844633	1844634	1844635	1844636	1844637
Order No.:			Client Sample Ref.:	WS103	WS103	WS109	WS109	WS108	WS108	WS109	WS103
			Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):	0.20	2.00	0.50	1.00	2.00	1.00	2.00	1.00
			Bottom Depth (m):	1.00	3.00	1.00	2.00	3.00	2.00	3.00	2.00
			Date Sampled:	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
			Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0	< 1.0	9.6	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	18	< 1.0	3.6	24	< 1.0	< 1.0	< 1.0	2.5
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	100	4.4	45	340	6.6	17	3.4	16
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	160	< 2.0	67	2.9	2.2	5.6	< 2.0	5.0
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	32	1.4	8.5	90	4.9	3.4	2.4	3.7
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	280	< 5.0	120	370	9.1	22	< 5.0	24
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	290	14	130	420	29	43	12	41
Mineral Oil EPH		N	2670	mg/kg	10	12	< 10	18	45	< 10	20	< 10	< 10
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	1.1	< 0.10	1.8	< 0.10	< 0.10	0.18	< 0.10	1.4
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	0.71	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	3.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	3.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	6.3	< 0.10	40	0.33	< 0.10	0.49	0.98	1.3
Anthracene		M	2800	mg/kg	0.10	1.5	< 0.10	13	< 0.10	< 0.10	0.11	0.26	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	8.7	0.45	84	0.27	< 0.10	0.83	1.8	0.64
Pyrene		M	2800	mg/kg	0.10	7.4	0.39	71	0.34	< 0.10	0.73	1.6	0.61
Benzo[a]anthracene		M	2800	mg/kg	0.10	4.2	< 0.10	45	< 0.10	< 0.10	0.45	0.92	< 0.10
Chrysene		M	2800	mg/kg	0.10	4.2	< 0.10	39	< 0.10	< 0.10	0.56	0.93	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	5.6	< 0.10	52	< 0.10	< 0.10	0.65	1.3	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	2.2	< 0.10	20	< 0.10	< 0.10	0.26	0.42	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	4.7	< 0.10	43	< 0.10	< 0.10	0.45	1.1	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	2.9	< 0.10	26	< 0.10	< 0.10	0.34	0.74	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	1.1	< 0.10	6.3	< 0.10	< 0.10	0.19	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	3.0	< 0.10	23	< 0.10	< 0.10	0.42	0.71	< 0.10
Coronene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Soil

Project: Forbes Lane

Client: IGSL					**Chemtest Job No.:**	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:					**Chemtest Sample ID.:**	1844630	1844631	1844632	1844633	1844634	1844635	1844636	1844637
Order No.:					Client Sample Ref.:	WS103	WS103	WS109	WS109	WS108	WS108	WS109	WS103
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.20	2.00	0.50	1.00	2.00	1.00	2.00	1.00
					Bottom Depth (m):	1.00	3.00	1.00	2.00	3.00	2.00	3.00	2.00
					Date Sampled:	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
					Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:				**Chemtest Sample ID.:**		1844638	1844639	1844640	1844641	1844642	1844643	1844644	1844645
Order No.:				Client Sample Ref.:		WS107	WS107	WS102	WS105	WS106	WS106	WS102	WS101
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		0.50	2.20	1.00	0.50	0.20	1.00	0.50	0.50
				Bottom Depth (m):		1.50	3.00	1.80	1.50	1.00	2.00	1.00	1.30
				Date Sampled:		31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
				Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
ACM Type		U	2192		N/A	-	-	-	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	17	6.3	16	7.9	11	13	13	9.5
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	1.8	0.97	3.5	0.72	1.5	2.8	2.4	0.99
Sulphur (Elemental)		M	2180	mg/kg	1.0	380	1.4	3.7	1.3	5.3	< 1.0	250	11
Cyanide (Total)		M	2300	mg/kg	0.50	11	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.80	0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	5.5	9.1	14	4.8	3.9	16	6.7	4.8
Sulphate (Total)		U	2430	%	0.010	0.21	0.072	0.14	0.15	0.22	0.23	0.17	0.15
Arsenic		M	2455	mg/kg	0.5	17	8.1	8.5	12	9.8	20	18	6.0
Barium		M	2455	mg/kg	0.5	200	39	37	76	71	63	270	51
Cadmium		M	2455	mg/kg	0.10	1.2	1.9	0.51	1.5	2.2	1.1	1.5	0.58
Chromium		M	2455	mg/kg	0.5	19	13	8.4	17	10	12	15	10
Molybdenum		M	2455	mg/kg	0.5	3.8	2.4	2.4	2.6	1.6	3.0	4.9	1.2
Antimony		N	2455	mg/kg	2.0	2.1	< 2.0	< 2.0	< 2.0	2.7	4.0	3.1	< 2.0
Copper		M	2455	mg/kg	0.50	140	29	84	30	310	95	85	22
Mercury		M	2455	mg/kg	0.05	0.91	0.08	0.42	0.07	0.34	0.70	0.71	0.12
Nickel		M	2455	mg/kg	0.50	63	37	32	43	23	47	53	16
Lead		M	2455	mg/kg	0.50	670	30	590	25	660	700	600	99
Selenium		M	2455	mg/kg	0.25	1.8	1.1	0.63	1.4	1.0	0.93	1.4	0.67
Zinc		M	2455	mg/kg	0.50	190	70	110	82	220	130	260	54
Chromium (Trivalent)		N	2490	mg/kg	1.0	19	13	8.4	17	10	12	15	10
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	0.37	< 0.05	0.45	< 0.05	< 0.05	< 0.05	0.36	0.27
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	0.37	< 0.25	0.45	< 0.25	< 0.25	< 0.25	0.36	0.27
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	10	< 2.0	58	3.9	5.8	5.2	11	13
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	11	2.5	13	4.2	15	4.5	3.2	6.5
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	6.0	< 2.0	22	3.4	23	4.3	2.9	17
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	3.7	13	270	15	34	24	5.1	54
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	< 10	31	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	31	18	360	26	78	38	23	90
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Results - Soil

Project: Forbes Lane

Client: IGSL			**Chemtest Job No.:**	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:			**Chemtest Sample ID.:**	1844638	1844639	1844640	1844641	1844642	1844643	1844644	1844645
Order No.:			Client Sample Ref.:	WS107	WS107	WS102	WS105	WS106	WS106	WS102	WS101
			Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):	0.50	2.20	1.00	0.50	0.20	1.00	0.50	0.50
			Bottom Depth (m):	1.50	3.00	1.80	1.50	1.00	2.00	1.00	1.30
			Date Sampled:	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
			Asbestos Lab:	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	6.2	< 1.0	13	1.8	14	2.2	5.7	5.1
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	110	< 1.0	1.9	4.6	130	< 1.0	15	4.6
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	330	4.5	13	20	580	5.5	190	61
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	430	< 2.0	2.2	16	1000	2.4	520	130
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	44	2.4	2.2	45	250	3.4	140	24
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	880	< 5.0	30	42	1800	10	740	200
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	910	23	390	69	1800	49	760	290
Mineral Oil EPH		N	2670	mg/kg	10	31	< 10	360	26	78	< 10	< 10	90
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	1.5	< 0.10	0.30	< 0.10	0.88	< 0.10	3.4	0.30
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	11	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	0.53	< 0.10	0.56	< 0.10	7.7	0.64	130	1.4
Anthracene		M	2800	mg/kg	0.10	0.41	< 0.10	< 0.10	< 0.10	1.7	< 0.10	32	0.39
Fluoranthene		M	2800	mg/kg	0.10	1.4	< 0.10	0.44	< 0.10	9.8	0.21	190	3.3
Pyrene		M	2800	mg/kg	0.10	1.5	< 0.10	0.38	< 0.10	7.7	0.21	150	3.0
Benzo[a]anthracene		M	2800	mg/kg	0.10	0.88	< 0.10	< 0.10	< 0.10	4.8	< 0.10	82	1.8
Chrysene		M	2800	mg/kg	0.10	0.90	< 0.10	< 0.10	< 0.10	4.7	< 0.10	82	1.6
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	0.96	< 0.10	< 0.10	< 0.10	5.7	< 0.10	110	2.2
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	0.29	< 0.10	< 0.10	< 0.10	2.0	< 0.10	34	0.74
Benzo[a]pyrene		M	2800	mg/kg	0.10	0.77	< 0.10	< 0.10	< 0.10	4.3	< 0.10	82	1.8
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	0.39	< 0.10	< 0.10	< 0.10	2.6	< 0.10	53	1.2
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.74	< 0.10	11	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	0.47	< 0.10	< 0.10	< 0.10	2.5	< 0.10	48	1.2
Coronene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Soil

Project: Forbes Lane

Client: IGSL			**Chemtest Job No.:**			24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:			**Chemtest Sample ID.:**			1844638	1844639	1844640	1844641	1844642	1844643	1844644	1844645
Order No.:			Client Sample Ref.:			WS107	WS107	WS102	WS105	WS106	WS106	WS102	WS101
			Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			0.50	2.20	1.00	0.50	0.20	1.00	0.50	0.50
			Bottom Depth (m):			1.50	3.00	1.80	1.50	1.00	2.00	1.00	1.30
			Date Sampled:			31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
			Asbestos Lab:			NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.012	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.012	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.012	< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Phenols		M	2920	mg/kg	0.10	0.53	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:				**Chemtest Sample ID.:**		1844646	1844647	1844648	1844649	1844650
Order No.:				Client Sample Ref.:		WS106	WS105	WS104	WS110	WS110
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.00	2.00	0.30	0.50	2.20
				Bottom Depth (m):		3.00	3.00	0.90	1.50	3.00
				Date Sampled:		31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
				Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**					
ACM Type		U	2192		N/A	-	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	10	6.2	12	16	12
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Sand	Sand	Sand	Sand
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.70	0.55	0.65	1.0	0.88
Sulphur (Elemental)		M	2180	mg/kg	1.0	< 1.0	< 1.0	2.0	< 1.0	2.0
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	0.50	< 0.50	0.80	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	35	9.3	4.9	26	6.1
Sulphate (Total)		U	2430	%	0.010	0.080	0.25	0.12	0.27	0.067
Arsenic		M	2455	mg/kg	0.5	20	15	0.7	14	9.4
Barium		M	2455	mg/kg	0.5	63	98	10	79	41
Cadmium		M	2455	mg/kg	0.10	3.5	1.0	< 0.10	1.8	1.9
Chromium		M	2455	mg/kg	0.5	18	15	2.0	11	12
Molybdenum		M	2455	mg/kg	0.5	8.1	5.2	< 0.5	2.2	4.4
Antimony		N	2455	mg/kg	2.0	3.5	< 2.0	< 2.0	2.3	< 2.0
Copper		M	2455	mg/kg	0.50	47	71	6.0	130	34
Mercury		M	2455	mg/kg	0.05	0.09	0.13	0.19	0.42	0.06
Nickel		M	2455	mg/kg	0.50	67	26	2.8	24	45
Lead		M	2455	mg/kg	0.50	24	290	49	860	18
Selenium		M	2455	mg/kg	0.25	2.2	0.63	< 0.25	0.93	1.2
Zinc		M	2455	mg/kg	0.50	120	160	19	130	66
Chromium (Trivalent)		N	2490	mg/kg	1.0	18	15	2.0	11	12
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.14	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0	2.3	2.9	3.9	< 2.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	2.5	< 1.0	19	1.4	< 1.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	2.6	< 2.0	110	2.2	< 2.0
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	18	17	74	13	4.7
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	24	20	210	20	7.3
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Results - Soil

Project: Forbes Lane

Client: IGSL				**Chemtest Job No.:**		24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:				**Chemtest Sample ID.:**		1844646	1844647	1844648	1844649	1844650
Order No.:				Client Sample Ref.:		WS106	WS105	WS104	WS110	WS110
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.00	2.00	0.30	0.50	2.20
				Bottom Depth (m):		3.00	3.00	0.90	1.50	3.00
				Date Sampled:		31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
				Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**					
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0	1.4	1.5	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0	5.8	3.2	< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	3.7	5.2	31	41	4.5
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	< 2.0	< 2.0	46	65	< 2.0
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	2.8	3.0	7.4	21	1.2
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	5.1	7.1	84	110	< 5.0
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	29	27	290	130	12
Mineral Oil EPH		N	2670	mg/kg	10	24	< 10	210	20	< 10
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	< 0.10	0.60	< 0.10	< 0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	< 0.10	3.3	1.6	2.4	< 0.10
Anthracene		M	2800	mg/kg	0.10	< 0.10	0.97	0.27	< 0.10	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	0.40	6.5	2.6	3.3	0.48
Pyrene		M	2800	mg/kg	0.10	0.37	5.6	2.3	2.7	0.53
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	3.3	1.2	1.5	0.47
Chrysene		M	2800	mg/kg	0.10	< 0.10	3.0	1.3	1.6	0.37
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	5.2	1.5	2.1	0.66
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	1.7	0.48	0.68	0.42
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	4.3	1.1	1.5	0.63
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	3.3	0.66	0.99	0.62
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	0.72	< 0.10	< 0.10	0.38
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	3.3	0.75	1.1	0.66
Coronene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Soil

Project: Forbes Lane

Client: IGSL			**Chemtest Job No.:**			24-24586	24-24586	24-24586	24-24586	24-24586
Quotation No.:			**Chemtest Sample ID.:**			1844646	1844647	1844648	1844649	1844650
Order No.:			Client Sample Ref.:			WS106	WS105	WS104	WS110	WS110
			Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			2.00	2.00	0.30	0.50	2.20
			Bottom Depth (m):			3.00	3.00	0.90	1.50	3.00
			Date Sampled:			31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024	31-Jul-2024
			Asbestos Lab:			NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**					
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844630							
Sample Ref:	WS103							
Sample ID:								
Sample Location:								
Top Depth(m):	0.20							
Bottom Depth(m):	1.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	5.1	3	5	6
Loss On Ignition	2610		M	%	8.7	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	380	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	53	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0060	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0084	0.084	0.5	2	25
Barium	1455		U	0.007	0.066	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0099	0.099	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0034	0.034	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.012	0.12	0.5	10	50
Antimony	1455		U	0.0020	0.020	0.06	0.7	5
Selenium	1455		U	0.0016	0.016	0.1	0.5	7
Zinc	1455		U	0.014	0.14	4	50	200
Chloride	1220		U	2.8	28	800	15000	25000
Fluoride	1220		U	0.46	4.6	10	150	500
Sulphate	1220		U	10	100	1000	20000	50000
Total Dissolved Solids	1020		N	67	660	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.4	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844631							
Sample Ref:	WS103							
Sample ID:								
Sample Location:								
Top Depth(m):	2.00							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.94	3	5	6
Loss On Ignition	2610		M	%	3.4	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0080	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0007	0.0068	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0015	0.016	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.018	0.18	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.011	0.11	0.1	0.5	7
Zinc	1455		U	0.006	0.055	4	50	200
Chloride	1220		U	15	150	800	15000	25000
Fluoride	1220		U	0.48	4.8	10	150	500
Sulphate	1220		U	43	430	1000	20000	50000
Total Dissolved Solids	1020		N	130	1300	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.0	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	11

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844632							
Sample Ref:	WS109							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	6.4	3	5	6
Loss On Ignition	2610		M	%	8.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	830	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	470	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0060	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0038	0.038	0.5	2	25
Barium	1455		U	0.020	0.20	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0009	0.0088	0.5	10	70
Copper	1455		U	0.0089	0.089	2	50	100
Mercury	1455		U	0.00006	0.00063	0.01	0.2	2
Molybdenum	1455		U	0.0036	0.036	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.020	0.20	0.5	10	50
Antimony	1455		U	0.0012	0.012	0.06	0.7	5
Selenium	1455		U	0.0037	0.037	0.1	0.5	7
Zinc	1455		U	0.006	0.059	4	50	200
Chloride	1220		U	1.5	15	800	15000	25000
Fluoride	1220		U	0.43	4.3	10	150	500
Sulphate	1220		U	25	250	1000	20000	50000
Total Dissolved Solids	1020		N	85	850	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.7	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	12

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844633							
Sample Ref:	WS109							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):	2.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	13	3	5	6
Loss On Ignition	2610		M	%	11	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	11000	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.8	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0080	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0078	0.078	0.5	2	25
Barium	1455		U	0.008	0.079	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0027	0.027	0.5	10	70
Copper	1455		U	0.068	0.68	2	50	100
Mercury	1455		U	0.00048	0.0048	0.01	0.2	2
Molybdenum	1455		U	0.0070	0.070	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.076	0.76	0.5	10	50
Antimony	1455		U	0.0023	0.023	0.06	0.7	5
Selenium	1455		U	0.0035	0.035	0.1	0.5	7
Zinc	1455		U	0.006	0.060	4	50	200
Chloride	1220		U	9.2	92	800	15000	25000
Fluoride	1220		U	0.76	7.6	10	150	500
Sulphate	1220		U	49	490	1000	20000	50000
Total Dissolved Solids	1020		N	140	1400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	15	150	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	18

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844634							
Sample Ref:	WS108							
Sample ID:								
Sample Location:								
Top Depth(m):	2.00							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	1.0	3	5	6
Loss On Ignition	2610		M	%	3.1	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0060	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0004	0.0040	0.5	2	25
Barium	1455		U	0.006	0.064	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0011	0.011	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0026	0.026	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0008	0.0085	0.06	0.7	5
Selenium	1455		U	0.0007	0.0069	0.1	0.5	7
Zinc	1455		U	0.004	0.039	4	50	200
Chloride	1220		U	9.0	90	800	15000	25000
Fluoride	1220		U	0.11	1.1	10	150	500
Sulphate	1220		U	39	390	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	2.7	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844635							
Sample Ref:	WS108							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):	2.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	2.1	3	5	6
Loss On Ignition	2610		M	%	4.3	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	5.7	100	--	--
pH at 20C	2010		M		8.1	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.010	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0098	0.098	0.5	2	25
Barium	1455		U	0.012	0.12	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0014	0.014	0.5	10	70
Copper	1455		U	0.011	0.11	2	50	100
Mercury	1455		U	0.00016	0.0016	0.01	0.2	2
Molybdenum	1455		U	0.0071	0.071	0.5	10	30
Nickel	1455		U	0.0010	0.010	0.4	10	40
Lead	1455		U	0.029	0.29	0.5	10	50
Antimony	1455		U	0.013	0.13	0.06	0.7	5
Selenium	1455		U	0.0019	0.019	0.1	0.5	7
Zinc	1455		U	0.010	0.097	4	50	200
Chloride	1220		U	3.5	35	800	15000	25000
Fluoride	1220		U	0.48	4.8	10	150	500
Sulphate	1220		U	24	240	1000	20000	50000
Total Dissolved Solids	1020		N	99	990	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	12	120	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844636							
Sample Ref:	WS109							
Sample ID:								
Sample Location:								
Top Depth(m):	2.00							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	3.4	3	5	6
Loss On Ignition	2610		M	%	1.9	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	11	100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.11	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0004	0.0040	0.5	2	25
Barium	1455		U	0.006	0.060	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0024	0.024	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0071	0.071	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0022	0.022	0.1	0.5	7
Zinc	1455		U	0.003	0.032	4	50	200
Chloride	1220		U	2.6	26	800	15000	25000
Fluoride	1220		U	0.17	1.7	10	150	500
Sulphate	1220		U	26	260	1000	20000	50000
Total Dissolved Solids	1020		N	94	940	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	6.2	62	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	9.6

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844637							
Sample Ref:	WS103							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):	2.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	18	3	5	6
Loss On Ignition	2610		M	%	20	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	4.0	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0070	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0047	0.047	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0024	0.024	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.013	0.13	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0043	0.043	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.004	0.043	4	50	200
Chloride	1220		U	5.1	51	800	15000	25000
Fluoride	1220		U	0.49	4.9	10	150	500
Sulphate	1220		U	14	140	1000	20000	50000
Total Dissolved Solids	1020		N	81	800	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.9	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	17

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844638							
Sample Ref:	WS107							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.50							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	4.5	3	5	6
Loss On Ignition	2610		M	%	12	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	3100	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	10	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0060	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.026	0.26	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0054	0.054	2	50	100
Mercury	1455		U	0.00007	0.00067	0.01	0.2	2
Molybdenum	1455		U	0.011	0.11	0.5	10	30
Nickel	1455		U	0.0015	0.015	0.4	10	40
Lead	1455		U	0.0057	0.058	0.5	10	50
Antimony	1455		U	0.0016	0.016	0.06	0.7	5
Selenium	1455		U	0.0016	0.016	0.1	0.5	7
Zinc	1455		U	0.006	0.064	4	50	200
Chloride	1220		U	19	190	800	15000	25000
Fluoride	1220		U	0.46	4.6	10	150	500
Sulphate	1220		U	11	110	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	6.5	65	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	17

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844639							
Sample Ref:	WS107							
Sample ID:								
Sample Location:								
Top Depth(m):	2.20							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.29	3	5	6
Loss On Ignition	2610		M	%	0.95	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0080	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0005	0.0048	0.5	2	25
Barium	1455		U	0.007	0.065	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0010	0.010	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0067	0.067	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	0.0027	0.027	0.1	0.5	7
Zinc	1455		U	0.004	0.037	4	50	200
Chloride	1220		U	22	220	800	15000	25000
Fluoride	1220		U	0.15	1.5	10	150	500
Sulphate	1220		U	15	150	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	< 2.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	6.3

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844640							
Sample Ref:	WS102							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):	1.80							
Sampling Date:	31-Jul-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	6.6	3	5	6
Loss On Ignition	2610		M	%	15	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	1.7	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.013	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.026	0.26	0.5	2	25
Barium	1455		U	0.006	0.058	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0010	0.0099	0.5	10	70
Copper	1455		U	0.021	0.21	2	50	100
Mercury	1455		U	0.00054	0.0054	0.01	0.2	2
Molybdenum	1455		U	0.0038	0.038	0.5	10	30
Nickel	1455		U	0.0044	0.044	0.4	10	40
Lead	1455		U	0.13	1.3	0.5	10	50
Antimony	1455		U	0.0015	0.015	0.06	0.7	5
Selenium	1455		U	0.0018	0.018	0.1	0.5	7
Zinc	1455		U	0.030	0.30	4	50	200
Chloride	1220		U	8.5	85	800	15000	25000
Fluoride	1220		U	0.44	4.4	10	150	500
Sulphate	1220		U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020		N	140	1400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	13	130	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	16

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844641							
Sample Ref:	WS105							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.50							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.74	3	5	6
Loss On Ignition	2610		M	%	0.62	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	130	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.012	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0084	0.084	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0025	0.025	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0046	0.046	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0025	0.025	0.5	10	50
Antimony	1455		U	0.0016	0.016	0.06	0.7	5
Selenium	1455		U	0.0023	0.023	0.1	0.5	7
Zinc	1455		U	0.004	0.038	4	50	200
Chloride	1220		U	1.3	13	800	15000	25000
Fluoride	1220		U	0.15	1.5	10	150	500
Sulphate	1220		U	5.1	51	1000	20000	50000
Total Dissolved Solids	1020		N	47	470	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.2	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	7.9

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844642							
Sample Ref:	WS106							
Sample ID:								
Sample Location:								
Top Depth(m):	0.20							
Bottom Depth(m):	1.00							
Sampling Date:	31-Jul-2024							
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**		**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625		M	%	12	3	5	6
Loss On Ignition	2610		M	%	4.3	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	3500	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	55	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.012	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0077	0.078	0.5	2	25
Barium	1455		U	0.008	0.082	20	100	300
Cadmium	1455		U	0.00023	0.0023	0.04	1	5
Chromium	1455		U	0.0007	0.0069	0.5	10	70
Copper	1455		U	0.072	0.72	2	50	100
Mercury	1455		U	0.00021	0.0021	0.01	0.2	2
Molybdenum	1455		U	0.0040	0.040	0.5	10	30
Nickel	1455		U	0.0021	0.021	0.4	10	40
Lead	1455		U	0.12	1.2	0.5	10	50
Antimony	1455		U	0.0019	0.019	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.047	0.47	4	50	200
Chloride	1220		U	3.4	34	800	15000	25000
Fluoride	1220		U	0.32	3.2	10	150	500
Sulphate	1220		U	2.9	29	1000	20000	50000
Total Dissolved Solids	1020		N	61	600	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	8.9	89	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	11

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844643							
Sample Ref:	WS106							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):	2.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	11	3	5	6
Loss On Ignition	2610		M	%	13	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	1.1	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.011	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.029	0.29	0.5	2	25
Barium	1455		U	0.005	0.051	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0009	0.0090	0.5	10	70
Copper	1455		U	0.015	0.15	2	50	100
Mercury	1455		U	0.00033	0.0033	0.01	0.2	2
Molybdenum	1455		U	0.022	0.22	0.5	10	30
Nickel	1455		U	0.0033	0.033	0.4	10	40
Lead	1455		U	0.079	0.79	0.5	10	50
Antimony	1455		U	0.0015	0.015	0.06	0.7	5
Selenium	1455		U	0.0016	0.016	0.1	0.5	7
Zinc	1455		U	0.024	0.24	4	50	200
Chloride	1220		U	16	160	800	15000	25000
Fluoride	1220		U	0.33	3.3	10	150	500
Sulphate	1220		U	15	150	1000	20000	50000
Total Dissolved Solids	1020		N	140	1400	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	8.9	89	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844644							
Sample Ref:	WS102							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	9.2	3	5	6
Loss On Ignition	2610		M	%	0.53	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	1100	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	1000	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0040	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0062	0.062	0.5	2	25
Barium	1455		U	0.007	0.066	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0075	0.075	2	50	100
Mercury	1455		U	0.00007	0.00065	0.01	0.2	2
Molybdenum	1455		U	0.0086	0.086	0.5	10	30
Nickel	1455		U	0.0020	0.020	0.4	10	40
Lead	1455		U	0.014	0.14	0.5	10	50
Antimony	1455		U	0.0024	0.024	0.06	0.7	5
Selenium	1455		U	0.0016	0.016	0.1	0.5	7
Zinc	1455		U	0.011	0.11	4	50	200
Chloride	1220		U	2.2	22	800	15000	25000
Fluoride	1220		U	0.23	2.3	10	150	500
Sulphate	1220		U	18	180	1000	20000	50000
Total Dissolved Solids	1020		N	81	810	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	5.0	50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844645							
Sample Ref:	WS101							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.30							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	3.1	3	5	6
Loss On Ignition	2610		M	%	2.8	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	910	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	19	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.012	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0086	0.086	0.5	2	25
Barium	1455		U	0.005	0.055	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0031	0.031	0.5	10	70
Copper	1455		U	0.0027	0.027	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0025	0.025	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.015	0.15	0.5	10	50
Antimony	1455		U	0.0011	0.011	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.006	0.060	4	50	200
Chloride	1220		U	1.7	17	800	15000	25000
Fluoride	1220		U	0.61	6.1	10	150	500
Sulphate	1220		U	8.7	87	1000	20000	50000
Total Dissolved Solids	1020		N	62	620	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	5.3	53	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	9.5

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844646							
Sample Ref:	WS106							
Sample ID:								
Sample Location:								
Top Depth(m):	2.00							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	2.0	3	5	6
Loss On Ignition	2610		M	%	1.4	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	< 1.0	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0040	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0040	0.040	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0028	0.028	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0092	0.092	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0006	0.0057	0.5	10	50
Antimony	1455		U	0.0012	0.012	0.06	0.7	5
Selenium	1455		U	0.0037	0.037	0.1	0.5	7
Zinc	1455		U	0.008	0.075	4	50	200
Chloride	1220		U	13	130	800	15000	25000
Fluoride	1220		U	0.17	1.7	10	150	500
Sulphate	1220		U	9.7	97	1000	20000	50000
Total Dissolved Solids	1020		N	100	1000	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.8	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	10

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844647							
Sample Ref:	WS105							
Sample ID:								
Sample Location:								
Top Depth(m):	2.00							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.71	3	5	6
Loss On Ignition	2610		M	%	3.1	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	42	100	--	--
pH at 20C	2010		M		8.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0080	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0032	0.032	0.5	2	25
Barium	1455		U	0.006	0.059	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0033	0.033	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0084	0.084	0.5	10	30
Nickel	1455		U	0.0013	0.013	0.4	10	40
Lead	1455		U	0.0018	0.018	0.5	10	50
Antimony	1455		U	0.0006	0.0063	0.06	0.7	5
Selenium	1455		U	0.0012	0.012	0.1	0.5	7
Zinc	1455		U	0.011	0.11	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	3.3	33	1000	20000	50000
Total Dissolved Solids	1020		N	45	450	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.6	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	6.2

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844648							
Sample Ref:	WS104							
Sample ID:								
Sample Location:								
Top Depth(m):	0.30							
Bottom Depth(m):	0.90							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	2.9	3	5	6
Loss On Ignition	2610		M	%	4.6	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	340	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	14	100	--	--
pH at 20C	2010		M		8.1	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.013	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0006	0.0058	0.5	2	25
Barium	1455		U	0.013	0.13	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0027	0.027	0.5	10	70
Copper	1455		U	0.014	0.14	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0048	0.048	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0008	0.0084	0.06	0.7	5
Selenium	1455		U	0.0025	0.025	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	12	120	800	15000	25000
Fluoride	1220		U	0.40	4.0	10	150	500
Sulphate	1220		U	19	190	1000	20000	50000
Total Dissolved Solids	1020		N	30	300	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.1	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	12

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844649							
Sample Ref:	WS110							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):	1.50							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	4.4	3	5	6
Loss On Ignition	2610		M	%	4.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	130	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	18	100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.010	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0099	0.099	0.5	2	25
Barium	1455		U	0.005	0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0018	0.018	0.5	10	70
Copper	1455		U	0.0071	0.071	2	50	100
Mercury	1455		U	0.00011	0.0011	0.01	0.2	2
Molybdenum	1455		U	0.0051	0.051	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.035	0.35	0.5	10	50
Antimony	1455		U	0.0013	0.013	0.06	0.7	5
Selenium	1455		U	0.0008	0.0076	0.1	0.5	7
Zinc	1455		U	0.009	0.085	4	50	200
Chloride	1220		U	5.1	51	800	15000	25000
Fluoride	1220		U	0.23	2.3	10	150	500
Sulphate	1220		U	5.4	54	1000	20000	50000
Total Dissolved Solids	1020		N	82	820	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.2	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	16

Waste Acceptance Criteria

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

Results - Single Stage WAC

Project: Forbes Lane

Chemtest Job No:	24-24586					**Landfill Waste Acceptance Criteria Limits**		
Chemtest Sample ID:	1844650							
Sample Ref:	WS110							
Sample ID:								
Sample Location:								
Top Depth(m):	2.20							
Bottom Depth(m):	3.00							
Sampling Date:	31-Jul-2024					**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Determinand	**SOP**	**HWOL Code**	**Accred.**	**Units**				
Total Organic Carbon	2625		M	%	0.33	3	5	6
Loss On Ignition	2610		M	%	1.6	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_CU_1D_Total	M	mg/kg	< 10	500	--	--
Total Of 17 PAHs Lower	2800		N	mg/kg	5.2	100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.0040	--	To evaluate	To evaluate
Eluate Analysis				**10:1 Eluate mg/l**	**10:1 Eluate mg/kg**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1455		U	0.0009	0.0086	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0012	0.012	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.015	0.15	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0007	0.0067	0.06	0.7	5
Selenium	1455		U	0.0015	0.015	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	8.2	82	800	15000	25000
Fluoride	1220		U	0.20	2.0	10	150	500
Sulphate	1220		U	4.6	46	1000	20000	50000
Total Dissolved Solids	1020		N	80	800	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.2	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	12

Waste Acceptance Criteria

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

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2015	Acid Neutralisation Capacity	Acid Reserve	Titration	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N–dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS. Reported PCB 101 results may contain contributions from PCB 90 due to inseparable chromatography.	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

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

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

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

For all other tests the samples were dried at ≤ 30°C prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

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

HWOL Acronym System

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

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Appendix 3

Waste Classification 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.

IHUD8-5AG1Y-OHY6A

Job name

24-001-16 Forbes Lane (17 05 04)

Description/Comments

14 No. Composite Samples from 7 No. Cable Percussion Boreholes and 5 No. Trial Pits

Project

24-001-16

Site

Forbes Lane

Classified by

Name:
Austin Hynes
Date:
22 Apr 2024 10:07 GMT
Telephone:
+353 (0)21 4345366

Company:
O'Callaghan Moran & Associates
Unit 15 Melbourne Business Park,
Model Farm Road
Cork

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	06 Oct 2022

Next 3 year Refresher due by Oct 2025

Purpose of classification

7 - Disposal of Waste

Address of the waste

Forbes Lane, Dublin 8 **Post Code** NA

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Site Investigation

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

Excavation

Description of the waste

Soil and Stone

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH1	1.0	Non Hazardous		3
2	BH2	1.0	Non Hazardous		6
3	BH3	1.0	Non Hazardous		9
4	BH5	1.0	Non Hazardous		12
5	BH6	1.0	Hazardous	HP 3(i), HP 7, HP 11	15
6	BH7A	1.0	Non Hazardous		18
7	BH7A[2]	2.0	Non Hazardous		21
8	BH8A	1.0	Non Hazardous		24
9	BH8A[2]	3.0	Non Hazardous		27
10	TP1	0.7	Non Hazardous		30
11	TP2	0.6	Non Hazardous		33
12	TP3	1.5	Non Hazardous		36
13	TPSA01	1.4	Non Hazardous		39
14	TPSA02	0.5	Non Hazardous		42

Related documents

#	Name	Description
1	OCM Waste Stream Updated 2021	waste stream template used to create this Job

Report

Created by: Austin Hynes

Created date: 22 Apr 2024 10:07 GMT

Classification of sample: BH1

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

Sample details

Sample name:
BH1
Sample Depth:
1.0 m
Moisture content:
14%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22	mg/kg	1.32	29.047	mg/kg	0.0029 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.2	mg/kg	1.142	3.655	mg/kg	0.000366 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29	mg/kg	1.462	42.385	mg/kg	0.00424 %		
6	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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		67	mg/kg	1.126	75.435	mg/kg	0.00754 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	86	mg/kg		86	mg/kg	0.0086 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.19	mg/kg	1.353	0.257	mg/kg	0.0000257 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.5	mg/kg	1.5	6.751	mg/kg	0.000675 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		81	mg/kg	2.976	241.077	mg/kg	0.0241 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.2	mg/kg	2.554	3.065	mg/kg	0.000306 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130	mg/kg	1.245	161.813	mg/kg	0.0162 %		
14	TPH (C6 to C40) petroleum group			TPH		16	mg/kg		16	mg/kg	0.0016 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28	pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
								Total:	0.0673 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

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: BH2

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

Sample details

Sample name:
BH2
Sample Depth:
1.0 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.6 mg/kg	1.197	3.112 mg/kg	0.000311 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.2 mg/kg	1.142	3.655 mg/kg	0.000366 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		130 mg/kg	1.126	146.365 mg/kg	0.0146 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	230 mg/kg		230 mg/kg	0.023 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.33 mg/kg	1.353	0.447 mg/kg	0.0000447 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.4 mg/kg	1.5	8.101 mg/kg	0.00081 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		80 mg/kg	2.976	238.101 mg/kg	0.0238 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.6 mg/kg	2.554	4.086 mg/kg	0.000409 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		180 mg/kg	1.245	224.049 mg/kg	0.0224 %		
14	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.095 %		

Key

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

Classification of sample: BH3

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

Sample details

Sample name:
BH3
Sample Depth:
1.0 m
Moisture content:
19%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.75 mg/kg	3.22	2.415 mg/kg	0.000241 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.2 mg/kg	1.142	3.655 mg/kg	0.000366 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22 mg/kg	1.462	32.154 mg/kg	0.00322 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		51 mg/kg	1.126	57.42 mg/kg	0.00574 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	35 mg/kg		35 mg/kg	0.0035 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.13 mg/kg	1.353	0.176 mg/kg	0.0000176 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.5 mg/kg	1.5	8.251 mg/kg	0.000825 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		74 mg/kg	2.976	220.244 mg/kg	0.022 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.1 mg/kg	2.554	2.809 mg/kg	0.000281 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		110 mg/kg	1.245	136.919 mg/kg	0.0137 %		
14	TPH (C6 to C40) petroleum group			TPH		15 mg/kg		15 mg/kg	0.0015 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.054 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

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: BH5

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

Sample details

Sample name:
BH5
Sample Depth:
1.0 m
Moisture content:
17%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.9 mg/kg	3.22	6.118 mg/kg	0.000612 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		65 mg/kg	1.126	73.183 mg/kg	0.00732 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	230 mg/kg		230 mg/kg	0.023 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.27 mg/kg	1.353	0.365 mg/kg	0.0000365 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.4 mg/kg	1.5	2.1 mg/kg	0.00021 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		32 mg/kg	2.976	95.24 mg/kg	0.00952 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.63 mg/kg	2.554	1.609 mg/kg	0.000161 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130 mg/kg	1.245	161.813 mg/kg	0.0162 %		
14	TPH (C6 to C40) petroleum group			TPH		100 mg/kg		100 mg/kg	0.01 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		0.59	mg/kg		0.59	mg/kg	0.000059 %		
22	acenaphthylene		205-917-1	208-96-8		0.18	mg/kg		0.18	mg/kg	0.000018 %		
23	acenaphthene		201-469-6	83-32-9		1.2	mg/kg		1.2	mg/kg	0.00012 %		
24	fluorene		201-695-5	86-73-7		1	mg/kg		1	mg/kg	0.0001 %		
25	phenanthrene		201-581-5	85-01-8		9.4	mg/kg		9.4	mg/kg	0.00094 %		
26	anthracene		204-371-1	120-12-7		2.8	mg/kg		2.8	mg/kg	0.00028 %		
27	fluoranthene		205-912-4	206-44-0		17	mg/kg		17	mg/kg	0.0017 %		
28	pyrene		204-927-3	129-00-0		14	mg/kg		14	mg/kg	0.0014 %		
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		8.8	mg/kg		8.8	mg/kg	0.00088 %		
30	chrysene	601-048-00-0	205-923-4	218-01-9		8.7	mg/kg		8.7	mg/kg	0.00087 %		
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		13	mg/kg		13	mg/kg	0.0013 %		
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.9	mg/kg		4.9	mg/kg	0.00049 %		
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		11	mg/kg		11	mg/kg	0.0011 %		
34	indeno[123-cd]pyrene		205-893-2	193-39-5		7.4	mg/kg		7.4	mg/kg	0.00074 %		
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.1	mg/kg		1.1	mg/kg	0.00011 %		
36	benzo[ghi]perylene		205-883-8	191-24-2		7.7	mg/kg		7.7	mg/kg	0.00077 %		
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
										Total:	0.084 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.01%)

Classification of sample: BH6

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

Sample details

Sample name:
BH6
Sample Depth:
1.0 m
Moisture content:
32%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.12%)

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.: 0.12%)

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.: 0.12%)

Determinands

Moisture content: 32% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.6	mg/kg	1.197	3.112	mg/kg	0.000311 %		
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		28	mg/kg	1.32	36.969	mg/kg	0.0037 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.61	mg/kg	3.22	1.964	mg/kg	0.000196 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.2	mg/kg	1.142	1.371	mg/kg	0.000137 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		220 mg/kg	1.126	247.695 mg/kg	0.0248 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	2400 mg/kg		2400 mg/kg	0.24 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2 mg/kg	1.353	2.707 mg/kg	0.000271 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.9 mg/kg	1.5	8.851 mg/kg	0.000885 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		97 mg/kg	2.976	288.698 mg/kg	0.0289 %		
12	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 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		280 mg/kg	1.245	348.52 mg/kg	0.0349 %		
14	TPH (C6 to C40) petroleum group			TPH		1200 mg/kg		1200 mg/kg	0.12 %		
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
21	naphthalene	601-052-00-2	202-049-5	91-20-3		4.4 mg/kg		4.4 mg/kg	0.00044 %		
22	acenaphthylene		205-917-1	208-96-8		0.24 mg/kg		0.24 mg/kg	0.000024 %		
23	acenaphthene		201-469-6	83-32-9		12 mg/kg		12 mg/kg	0.0012 %		
24	fluorene		201-695-5	86-73-7		12 mg/kg		12 mg/kg	0.0012 %		
25	phenanthrene		201-581-5	85-01-8		110 mg/kg		110 mg/kg	0.011 %		
26	anthracene		204-371-1	120-12-7		28 mg/kg		28 mg/kg	0.0028 %		
27	fluoranthene		205-912-4	206-44-0		120 mg/kg		120 mg/kg	0.012 %		
28	pyrene		204-927-3	129-00-0		89 mg/kg		89 mg/kg	0.0089 %		
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		49 mg/kg		49 mg/kg	0.0049 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
30		chrysene				48	mg/kg		48	mg/kg	0.0048 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				58	mg/kg		58	mg/kg	0.0058 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				23	mg/kg		23	mg/kg	0.0023 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				46	mg/kg		46	mg/kg	0.0046 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				30	mg/kg		30	mg/kg	0.003 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				6.7	mg/kg		6.7	mg/kg	0.00067 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				28	mg/kg		28	mg/kg	0.0028 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.524 %		

Key

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

Classification of sample: BH7A

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

Sample details

Sample name:
BH7A
Sample Depth:
1.0 m
Moisture content:
15%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.1 mg/kg	1.32	12.015 mg/kg	0.0012 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.3 mg/kg	3.22	4.186 mg/kg	0.000419 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.52 mg/kg	1.142	0.594 mg/kg	0.0000594 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		45 mg/kg	1.126	50.665 mg/kg	0.00507 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	110 mg/kg		110 mg/kg	0.011 %		
9	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 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.7 mg/kg	1.5	2.55 mg/kg	0.000255 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		26 mg/kg	2.976	77.383 mg/kg	0.00774 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.66 mg/kg	2.554	1.686 mg/kg	0.000169 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		65 mg/kg	1.245	80.906 mg/kg	0.00809 %		
14	TPH (C6 to C40) petroleum group			TPH		110 mg/kg		110 mg/kg	0.011 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		4.3 mg/kg		4.3 mg/kg	0.00043 %		
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	phenanthrene		201-581-5	85-01-8		0.36 mg/kg		0.36 mg/kg	0.000036 %		
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	fluoranthene		205-912-4	206-44-0		0.36 mg/kg		0.36 mg/kg	0.000036 %		
28	pyrene		204-927-3	129-00-0		0.37 mg/kg		0.37 mg/kg	0.000037 %		
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
								Total:	0.0486 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.00043%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.011%)

Classification of sample: BH7A[2]

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

Sample details

Sample name:
BH7A[2]
Sample Depth:
2.0 m
Moisture content:
18%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	2.1 mg/kg	3.22	6.762 mg/kg	0.000676 %		
4	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 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.7 mg/kg	1.462	14.177 mg/kg	0.00142 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
7	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 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	720 mg/kg		720 mg/kg	0.072 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.08 mg/kg	1.353	0.108 mg/kg	0.0000108 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.7 mg/kg	1.5	1.05 mg/kg	0.000105 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		17 mg/kg	2.976	50.597 mg/kg	0.00506 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		41 mg/kg	1.245	51.033 mg/kg	0.0051 %		
14	TPH (C6 to C40) petroleum group			TPH		14 mg/kg		14 mg/kg	0.0014 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28	pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
								Total:	0.0905 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

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: BH8A

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

Sample details

Sample name:
BH8A
Sample Depth:
1.0 m
Moisture content:
25%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 25% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19	mg/kg	1.32	25.086	mg/kg	0.00251 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.7	mg/kg	3.22	5.474	mg/kg	0.000547 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6	mg/kg	1.142	1.828	mg/kg	0.000183 %		
5	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 %		
6	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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		80	mg/kg	1.126	90.071	mg/kg	0.00901 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	170	mg/kg		170	mg/kg	0.017 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.23	mg/kg	1.353	0.311	mg/kg	0.0000311 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.7	mg/kg	1.5	5.551	mg/kg	0.000555 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		50	mg/kg	2.976	148.813	mg/kg	0.0149 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.81	mg/kg	2.554	2.069	mg/kg	0.000207 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		120	mg/kg	1.245	149.366	mg/kg	0.0149 %		
14	TPH (C6 to C40) petroleum group			TPH		23	mg/kg		23	mg/kg	0.0023 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			201-469-6	83-32-9									
24		fluorene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
			201-695-5	86-73-7									
25		phenanthrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			201-581-5	85-01-8									
26		anthracene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
			204-371-1	120-12-7									
27		fluoranthene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			205-912-4	206-44-0									
28		pyrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
		601-036-00-5	205-916-6	207-08-9									
33		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									
34		indeno[123-cd]pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0666 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: BH8A[2]

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

Sample details

Sample name:
BH8A[2]
Sample Depth:
3.0 m
Moisture content:
16%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
7	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 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	17 mg/kg		17 mg/kg	0.0017 %		
9	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
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.5 mg/kg	1.5	3.75 mg/kg	0.000375 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		42 mg/kg	2.976	125.003 mg/kg	0.0125 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.66 mg/kg	2.554	1.686 mg/kg	0.000169 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		72 mg/kg	1.245	89.619 mg/kg	0.00896 %		
14	TPH (C6 to C40) petroleum group			TPH		17 mg/kg		17 mg/kg	0.0017 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28	pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
								Total:	0.0332 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

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: TP1

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

Sample details

Sample name:
TP1
Sample Depth:
0.7 m
Moisture content:
9.2%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.46 mg/kg	3.22	1.481 mg/kg	0.000148 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.43 mg/kg	1.142	0.491 mg/kg	0.0000491 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.4 mg/kg	1.462	13.739 mg/kg	0.00137 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
7	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 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	28 mg/kg		28 mg/kg	0.0028 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.06 mg/kg	1.353	0.0812 mg/kg	0.00000812 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		15 mg/kg	2.976	44.644 mg/kg	0.00446 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.26 mg/kg	2.554	0.664 mg/kg	0.0000664 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		59 mg/kg	1.245	73.438 mg/kg	0.00734 %		
14	TPH (C6 to C40) petroleum group			TPH		220 mg/kg		220 mg/kg	0.022 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.85	mg/kg		0.85	mg/kg	0.000085 %		
22		acenaphthylene		205-917-1	208-96-8		0.11	mg/kg		0.11	mg/kg	0.000011 %		
23		acenaphthene		201-469-6	83-32-9		1.6	mg/kg		1.6	mg/kg	0.00016 %		
24		fluorene		201-695-5	86-73-7		1.4	mg/kg		1.4	mg/kg	0.00014 %		
25		phenanthrene		201-581-5	85-01-8		7.4	mg/kg		7.4	mg/kg	0.00074 %		
26		anthracene		204-371-1	120-12-7		2	mg/kg		2	mg/kg	0.0002 %		
27		fluoranthene		205-912-4	206-44-0		13	mg/kg		13	mg/kg	0.0013 %		
28		pyrene		204-927-3	129-00-0		9.8	mg/kg		9.8	mg/kg	0.00098 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.8	mg/kg		4.8	mg/kg	0.00048 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		5	mg/kg		5	mg/kg	0.0005 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.7	mg/kg		5.7	mg/kg	0.00057 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.1	mg/kg		2.1	mg/kg	0.00021 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.3	mg/kg		4.3	mg/kg	0.00043 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		2.1	mg/kg		2.1	mg/kg	0.00021 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.45	mg/kg		0.45	mg/kg	0.000045 %		
36		benzo[ghi]perylene		205-883-8	191-24-2		2.4	mg/kg		2.4	mg/kg	0.00024 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
											Total:	0.0488 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.022%)

Classification of sample: TP2

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

Sample details

Sample name:
TP2
Sample Depth:
0.6 m
Moisture content:
24%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 24% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.1 mg/kg	1.197	2.514 mg/kg	0.000251 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	39.61 mg/kg	0.00396 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.5 mg/kg	3.22	4.83 mg/kg	0.000483 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.7 mg/kg	1.142	3.084 mg/kg	0.000308 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		130 mg/kg	1.126	146.365 mg/kg	0.0146 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	470 mg/kg		470 mg/kg	0.047 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.6 mg/kg	1.353	2.166 mg/kg	0.000217 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.6 mg/kg	1.5	6.901 mg/kg	0.00069 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		74 mg/kg	2.976	220.244 mg/kg	0.022 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.2 mg/kg	2.554	3.065 mg/kg	0.000306 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		200 mg/kg	1.245	248.943 mg/kg	0.0249 %		
14	TPH (C6 to C40) petroleum group			TPH		26 mg/kg		26 mg/kg	0.0026 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28	pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
								Total:	0.122 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: TP3

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

Sample details

Sample name:
TP3
Sample Depth:
1.5 m
Moisture content:
7.6%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<**LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.43 mg/kg	1.142	0.491 mg/kg	0.0000491 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	31.525 mg/kg	0.00315 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	63 mg/kg		63 mg/kg	0.0063 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.16 mg/kg	1.353	0.217 mg/kg	0.0000217 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.8 mg/kg	1.5	1.2 mg/kg	0.00012 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22 mg/kg	2.976	65.478 mg/kg	0.00655 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.45 mg/kg	2.554	1.149 mg/kg	0.000115 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		63 mg/kg	1.245	78.417 mg/kg	0.00784 %		
14	TPH (C6 to C40) petroleum group			TPH		30 mg/kg		30 mg/kg	0.003 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.44	mg/kg		0.44	mg/kg	0.000044 %		
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		0.83	mg/kg		0.83	mg/kg	0.000083 %		
24		fluorene		201-695-5	86-73-7		0.51	mg/kg		0.51	mg/kg	0.000051 %		
25		phenanthrene		201-581-5	85-01-8		4.4	mg/kg		4.4	mg/kg	0.00044 %		
26		anthracene		204-371-1	120-12-7		0.83	mg/kg		0.83	mg/kg	0.000083 %		
27		fluoranthene		205-912-4	206-44-0		5.3	mg/kg		5.3	mg/kg	0.00053 %		
28		pyrene		204-927-3	129-00-0		4.1	mg/kg		4.1	mg/kg	0.00041 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.1	mg/kg		2.1	mg/kg	0.00021 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		2.6	mg/kg		2.6	mg/kg	0.00026 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.7	mg/kg		2.7	mg/kg	0.00027 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.92	mg/kg		0.92	mg/kg	0.000092 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2	mg/kg		2	mg/kg	0.0002 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		1	mg/kg		1	mg/kg	0.0001 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
36		benzo[ghi]perylene		205-883-8	191-24-2		1.3	mg/kg		1.3	mg/kg	0.00013 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
											Total:	0.0343 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: TPSA01

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

Sample details

Sample name:
TPSA01
Sample Depth:
1.4 m
Moisture content:
21%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.99 mg/kg	3.22	3.188 mg/kg	0.000319 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.4 mg/kg	1.142	3.884 mg/kg	0.000388 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		130 mg/kg	1.126	146.365 mg/kg	0.0146 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.14 mg/kg	1.353	0.189 mg/kg	0.0000189 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.6 mg/kg	1.5	5.401 mg/kg	0.00054 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		53 mg/kg	2.976	157.742 mg/kg	0.0158 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.69 mg/kg	2.554	1.762 mg/kg	0.000176 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		140 mg/kg	1.245	174.26 mg/kg	0.0174 %		
14	TPH (C6 to C40) petroleum group			TPH		17 mg/kg		17 mg/kg	0.0017 %		

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16	benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17	toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20	cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28	pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
								Total:	0.0713 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

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: TPSA02

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

Sample details

Sample name:
TPSA02
Sample Depth:
0.5 m
Moisture content:
6%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		5.9 mg/kg	1.197	7.063 mg/kg	0.000706 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		11 mg/kg	1.142	12.566 mg/kg	0.00126 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1200 mg/kg	1.126	1351.066 mg/kg	0.135 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1100 mg/kg		1100 mg/kg	0.11 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.28 mg/kg	1.353	0.379 mg/kg	0.0000379 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.8 mg/kg	1.5	2.7 mg/kg	0.00027 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		39 mg/kg	2.976	116.074 mg/kg	0.0116 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.71 mg/kg	2.554	1.813 mg/kg	0.000181 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		480 mg/kg	1.245	597.463 mg/kg	0.0597 %		
14	TPH (C6 to C40) petroleum group			TPH		160 mg/kg		160 mg/kg	0.016 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
		006-007-00-5											
21		naphthalene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
			205-917-1	208-96-8									
23		acenaphthene				0.69	mg/kg		0.69	mg/kg	0.000069 %		
			201-469-6	83-32-9									
24		fluorene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
			201-695-5	86-73-7									
25		phenanthrene				9.8	mg/kg		9.8	mg/kg	0.00098 %		
			201-581-5	85-01-8									
26		anthracene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			204-371-1	120-12-7									
27		fluoranthene				19	mg/kg		19	mg/kg	0.0019 %		
			205-912-4	206-44-0									
28		pyrene				15	mg/kg		15	mg/kg	0.0015 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				11	mg/kg		11	mg/kg	0.0011 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				10	mg/kg		10	mg/kg	0.001 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				14	mg/kg		14	mg/kg	0.0014 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				11	mg/kg		11	mg/kg	0.0011 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				6.8	mg/kg		6.8	mg/kg	0.00068 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				6.5	mg/kg		6.5	mg/kg	0.00065 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.351 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

Appendix A: Classifier defined and non EU 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: 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

EU 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
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. 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)

EU CLP index number: 601-023-00-4
Description/Comments:
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

EU CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

EU 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.
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

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

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}

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

Laboratory analysis shows hexavalent chromium is below detection, thus lead chromate is extremely unlikely to have formed.

mercury {mercury dichloride}

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

molybdenum {molybdenum(VI) oxide}

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 oxide}

Laboratory analysis shows hexavalent chromium is below detection, thus zinc chromate is extremely unlikely to have formed.

cyanides {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.NI - Jan 2021
HazWasteOnline Classification Engine Version: 2024.110.6022.11160 (19 Apr 2024)
HazWasteOnline Database: 2024.110.6022.11160 (19 Apr 2024)

This classification utilises the following guidance and legislation:
WM3 v1.1.NI - Waste Classification - 1st Edition v1.1.NI - Jan 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
17th ATP - Regulation (EU) 2021/849 of 11 March 2021
18th ATP - Regulation (EU) 2022/692 of 16 February 2022
19th ATP - Regulation (EU) 2023/1434 of 25 April 2023
20th ATP - Regulation (EU) 2023/1435 of 2 May 2023
21st ATP - Regulation (EU) 2024/197 of 19 October 2023

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.

Q8744-SK2JE-DR2HW

Job name

24-001-16 Forbes Lane (17 09 04)

Description/Comments

1 No. Composite Sample from 1 No. Cable Percussion Borehole

Project

24-001-16

Site

Forbes Lane

Classified by

Name:
Austin Hynes
Date:
22 Apr 2024 10:48 GMT
Telephone:
+353 (0)21 4345366

Company:
O'Callaghan Moran & Associates
Unit 15 Melbourne Business Park,
Model Farm Road
Cork

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	06 Oct 2022

Next 3 year Refresher due by Oct 2025

Purpose of classification

7 - Disposal of Waste

Address of the waste

Forbes Lane, Dublin 8 **Post Code** NA

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Site Investigation

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

Excavation

Description of the waste

Soil and Stone

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH4	1.0	Non Hazardous		3

Related documents

#	Name	Description
1	OCM Waste Stream Updated 2021	waste stream template used to create this Job

Report

Created by: Austin Hynes

Created date: 22 Apr 2024 10:48 GMT

Classification of sample: BH4

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
BH4
Sample Depth:
1.0 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.44 mg/kg	3.22	1.417 mg/kg	0.000142 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.8 mg/kg	1.142	2.056 mg/kg	0.000206 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		130 mg/kg	1.126	146.365 mg/kg	0.0146 %		
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	280 mg/kg	1.56	436.748 mg/kg	0.028 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.25 mg/kg	1.353	0.338 mg/kg	0.0000338 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.6 mg/kg	1.5	3.9 mg/kg	0.00039 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		58 mg/kg	2.976	172.623 mg/kg	0.0173 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.1 mg/kg	2.554	2.809 mg/kg	0.000281 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		120 mg/kg	2.774	332.898 mg/kg	0.0333 %		
14	TPH (C6 to C40) petroleum group			TPH		180 mg/kg		180 mg/kg	0.018 %		
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				0.85	mg/kg		0.85	mg/kg	0.000085 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
			201-469-6	83-32-9									
24		fluorene				1	mg/kg		1	mg/kg	0.0001 %		
			201-695-5	86-73-7									
25		phenanthrene				6	mg/kg		6	mg/kg	0.0006 %		
			201-581-5	85-01-8									
26		anthracene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			204-371-1	120-12-7									
27		fluoranthene				7.9	mg/kg		7.9	mg/kg	0.00079 %		
			205-912-4	206-44-0									
28		pyrene				6.6	mg/kg		6.6	mg/kg	0.00066 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-883-8	191-24-2									
37		phenol				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.123 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.018%)

Appendix A: Classifier defined and non EU 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: 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

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)

EU CLP index number: 601-023-00-4
Description/Comments:
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

EU CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

EU 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.
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

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

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}

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)

molybdenum {molybdenum(VI) oxide}

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] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1.NI - Jan 2021
HazWasteOnline Classification Engine Version: 2024.110.6022.11160 (19 Apr 2024)
HazWasteOnline Database: 2024.110.6022.11160 (19 Apr 2024)

This classification utilises the following guidance and legislation:
WM3 v1.1.NI - Waste Classification - 1st Edition v1.1.NI - Jan 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
17th ATP - Regulation (EU) 2021/849 of 11 March 2021
18th ATP - Regulation (EU) 2022/692 of 16 February 2022
19th ATP - Regulation (EU) 2023/1434 of 25 April 2023
20th ATP - Regulation (EU) 2023/1435 of 2 May 2023
21st ATP - Regulation (EU) 2024/197 of 19 October 2023

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.

ZYCRC-557VN-NWNWY

Job name

24-001-16 Forbes Lane (17 05 04) Phase 2

Description/Comments

2 No. Composite Samples from 2 No. Window Sample Boreholes.

Project

24-001-16

Site

Forbes Lane

Classified by

Name:
Austin Hynes
Date:
21 Aug 2024 14:55 GMT
Telephone:
+353 (0)21 4345366

Company:
O'Callaghan Moran & Associates
Unit 15 Melbourne Business Park,
Model Farm Road
Cork

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	06 Oct 2022

Next 3 year Refresher due by Oct 2025

Purpose of classification

7 - Disposal of Waste

Address of the waste

Forbes Lane, Dublin 8 **Post Code** NA

Description of industry/producer giving rise to the waste

Site Investigation

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

Excavation

Description of the waste

Soil and Stone

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS107	2.20-3.00	Non Hazardous		3
2	WS110	2.20-3.00	Non Hazardous		6

Related documents

#	Name	Description
1	OCM Hazwaste 2024	waste stream template used to create this Job

Report

Created by: Austin Hynes

Created date: 21 Aug 2024 14:55 GMT

Classification of sample: WS107

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

Sample details

Sample name:
WS107
Sample Depth:
2.20-3.00 m
Moisture content:
6.3%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.1	mg/kg	1.32	10.695	mg/kg	0.00107 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.97	mg/kg	3.22	3.123	mg/kg	0.000312 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.9	mg/kg	1.142	2.17	mg/kg	0.000217 %		
5	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 %		
6	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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7	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 %		
8	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 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.08	mg/kg	1.353	0.108	mg/kg	0.0000108 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.4	mg/kg	1.5	3.6	mg/kg	0.00036 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		37	mg/kg	2.976	110.122	mg/kg	0.011 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.1	mg/kg	2.554	2.809	mg/kg	0.000281 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		70	mg/kg	2.774	194.19	mg/kg	0.0194 %		
14	TPH (C6 to C40) petroleum group			TPH		23	mg/kg		23	mg/kg	0.0023 %		
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0438 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: WS110

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

Sample details

Sample name:
WS110
Sample Depth:
2.20-3.00 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.4 mg/kg	1.32	12.411 mg/kg	0.00124 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.88 mg/kg	3.22	2.833 mg/kg	0.000283 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.9 mg/kg	1.142	2.17 mg/kg	0.000217 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		34 mg/kg	1.126	38.28 mg/kg	0.00383 %		
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18 mg/kg	1.56	28.077 mg/kg	0.0018 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.06 mg/kg	1.353	0.0812 mg/kg	0.00000812 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.4 mg/kg	1.5	6.601 mg/kg	0.00066 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		45 mg/kg	2.976	133.932 mg/kg	0.0134 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.2 mg/kg	2.554	3.065 mg/kg	0.000306 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		66 mg/kg	2.774	183.094 mg/kg	0.0183 %		
14	TPH (C6 to C40) petroleum group			TPH		12 mg/kg		12 mg/kg	0.0012 %		
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
			205-912-4	206-44-0									
28		pyrene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.63	mg/kg		0.63	mg/kg	0.000063 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.62	mg/kg		0.62	mg/kg	0.000062 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.044 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0012%)

Appendix A: Classifier defined and non EU 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: 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

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)

EU CLP index number: 601-023-00-4
Description/Comments:
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

EU CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

- **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

EU 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.
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

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

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}

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)

molybdenum {molybdenum(VI) oxide}

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] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: EU WM3 1st Edition v1.1.NI using the EU LoW
HazWasteOnline Classification Engine Version: 2024.229.6218.11418 (17 Aug 2024)
HazWasteOnline Database: 2024.229.6218.11418 (17 Aug 2024)

This classification utilises the following guidance and legislation:
WM3 v1.1.NI - Waste Classification - 1st Edition v1.1.NI - Jan 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
17th ATP - Regulation (EU) 2021/849 of 11 March 2021
18th ATP - Regulation (EU) 2022/692 of 16 February 2022
POPs Amendment 2022 - Regulation (EU) 2022/2400 of 23 November 2022
19th ATP - Regulation (EU) 2023/1434 of 25 April 2023
20th ATP - Regulation (EU) 2023/1435 of 2 May 2023
21st ATP - Regulation (EU) 2024/197 of 19 October 2023

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.

I3END-81D0P-ZR9LC

Job name

24-001-16 Forbes Lane (17 09 04) Phase 2

Description/Comments

19 No. Composite Samples from 10 No. Window Sample Boreholes.

Project

24-001-16

Site

Forbes Lane

Classified by

Name:
Austin Hynes
Date:
21 Aug 2024 14:53 GMT
Telephone:
+353 (0)21 4345366

Company:
O'Callaghan Moran & Associates
Unit 15 Melbourne Business Park,
Model Farm Road
Cork

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	06 Oct 2022

Next 3 year Refresher due by Oct 2025

Purpose of classification

7 - Disposal of Waste

Address of the waste

Forbes Lane, Dublin 8 **Post Code** NA

Description of industry/producer giving rise to the waste

Site Investigation

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

Excavation

Description of the waste

Construction and Demolition Waste

Job summary

Related documents

#	Name	Description
1	OCM Hazwaste 2024	waste stream template used to create this Job

Report

Created by: Austin Hynes

Created date: 21 Aug 2024 14:53 GMT

Classification of sample: WS101

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS101
Sample Depth:
0.50-1.30 m
Moisture content:
9.5%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 9.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.99 mg/kg	3.22	3.188 mg/kg	0.000319 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.58 mg/kg	1.142	0.663 mg/kg	0.0000663 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10 mg/kg	1.462	14.616 mg/kg	0.00146 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	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 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	99 mg/kg		99 mg/kg	0.0099 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.12 mg/kg	1.353	0.162 mg/kg	0.0000162 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2 mg/kg	1.5	1.8 mg/kg	0.00018 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		16 mg/kg	2.976	47.62 mg/kg	0.00476 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.67 mg/kg	2.554	1.711 mg/kg	0.000171 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		54 mg/kg	2.774	149.804 mg/kg	0.015 %		
14	TPH (C6 to C40) petroleum group			TPH		290 mg/kg		290 mg/kg	0.029 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.3	mg/kg		0.3	mg/kg	0.00003 %		
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		phenanthrene		201-581-5	85-01-8		1.4	mg/kg		1.4	mg/kg	0.00014 %		
26		anthracene		204-371-1	120-12-7		0.39	mg/kg		0.39	mg/kg	0.000039 %		
27		fluoranthene		205-912-4	206-44-0		3.3	mg/kg		3.3	mg/kg	0.00033 %		
28		pyrene		204-927-3	129-00-0		3	mg/kg		3	mg/kg	0.0003 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.8	mg/kg		1.8	mg/kg	0.00018 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		1.6	mg/kg		1.6	mg/kg	0.00016 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.2	mg/kg		2.2	mg/kg	0.00022 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.74	mg/kg		0.74	mg/kg	0.000074 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.8	mg/kg		1.8	mg/kg	0.00018 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		1.2	mg/kg		1.2	mg/kg	0.00012 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		1.2	mg/kg		1.2	mg/kg	0.00012 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
											Total:	0.0665 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.029%)

Classification of sample: WS102

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS102
Sample Depth:
0.50-1.00 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.1	mg/kg	1.197	3.711	mg/kg	0.000371 %		
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18	mg/kg	1.32	23.766	mg/kg	0.00238 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	2.4	mg/kg	3.22	7.728	mg/kg	0.000773 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.5	mg/kg	1.142	1.713	mg/kg	0.000171 %		
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		85	mg/kg	1.126	95.701	mg/kg	0.00957 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	600	mg/kg		600	mg/kg	0.06 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.71	mg/kg	1.353	0.961	mg/kg	0.0000961 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		4.9	mg/kg	1.5	7.351	mg/kg	0.000735 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		53	mg/kg	2.976	157.742	mg/kg	0.0158 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4	mg/kg	2.554	3.575	mg/kg	0.000358 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		260	mg/kg	2.774	721.278	mg/kg	0.0721 %		
14		TPH (C6 to C40) petroleum group			TPH		760	mg/kg		760	mg/kg	0.076 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20		cyanides { ● 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				0.8	mg/kg	1.884	1.507	mg/kg	0.000151 %		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		3.4	mg/kg		3.4	mg/kg	0.00034 %		
22	●	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23	●	acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24	●	fluorene		201-695-5	86-73-7		11	mg/kg		11	mg/kg	0.0011 %		
25	●	phenanthrene		201-581-5	85-01-8		130	mg/kg		130	mg/kg	0.013 %		
26	●	anthracene		204-371-1	120-12-7		32	mg/kg		32	mg/kg	0.0032 %		
27	●	fluoranthene		205-912-4	206-44-0		190	mg/kg		190	mg/kg	0.019 %		
28	●	pyrene		204-927-3	129-00-0		150	mg/kg		150	mg/kg	0.015 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		82	mg/kg		82	mg/kg	0.0082 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		82	mg/kg		82	mg/kg	0.0082 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		110	mg/kg		110	mg/kg	0.011 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		34	mg/kg		34	mg/kg	0.0034 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		82	mg/kg		82	mg/kg	0.0082 %		
34	●	indeno[123-cd]pyrene		205-893-2	193-39-5		53	mg/kg		53	mg/kg	0.0053 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		11	mg/kg		11	mg/kg	0.0011 %		
36	●	benzo[ghi]perylene		205-883-8	191-24-2		48	mg/kg		48	mg/kg	0.0048 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
38	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
											Total:	0.343 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.076%)

Classification of sample: WS102[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS102[2]
Sample Depth:
1.00-1.80 m
Moisture content:
16%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		**<LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.5	mg/kg	1.32	11.223	mg/kg	0.00112 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	3.5	mg/kg	3.22	11.27	mg/kg	0.00113 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.51	mg/kg	1.142	0.583	mg/kg	0.0000583 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.4	mg/kg	1.462	12.277	mg/kg	0.00123 %		
6	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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		84	mg/kg	1.126	94.575	mg/kg	0.00946 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	590	mg/kg		590	mg/kg	0.059 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.42	mg/kg	1.353	0.568	mg/kg	0.0000568 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.4	mg/kg	1.5	3.6	mg/kg	0.00036 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		32	mg/kg	2.976	95.24	mg/kg	0.00952 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.63	mg/kg	2.554	1.609	mg/kg	0.000161 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		110	mg/kg	2.774	305.156	mg/kg	0.0305 %		
14	TPH (C6 to C40) petroleum group			TPH		390	mg/kg		390	mg/kg	0.039 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
			205-912-4	206-44-0									
28		pyrene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.152 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.039%)

Classification of sample: WS103

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS103
Sample Depth:
0.20-1.00 m
Moisture content:
14%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1	mg/kg	3.22	3.22	mg/kg	0.000322 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1	mg/kg	1.142	1.257	mg/kg	0.000126 %		
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9	mg/kg	1.462	11.546	mg/kg	0.00115 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		87	mg/kg	1.126	97.952	mg/kg	0.0098 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	340	mg/kg		340	mg/kg	0.034 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.2	mg/kg	1.353	0.271	mg/kg	0.0000271 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.2	mg/kg	1.5	1.8	mg/kg	0.00018 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.78	mg/kg	2.554	1.992	mg/kg	0.000199 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		120	mg/kg	2.774	332.898	mg/kg	0.0333 %		
14		TPH (C6 to C40) petroleum group			TPH		290	mg/kg		290	mg/kg	0.029 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		1.1	mg/kg		1.1	mg/kg	0.00011 %		
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		phenanthrene		201-581-5	85-01-8		6.3	mg/kg		6.3	mg/kg	0.00063 %		
26		anthracene		204-371-1	120-12-7		1.5	mg/kg		1.5	mg/kg	0.00015 %		
27		fluoranthene		205-912-4	206-44-0		8.7	mg/kg		8.7	mg/kg	0.00087 %		
28		pyrene		204-927-3	129-00-0		7.4	mg/kg		7.4	mg/kg	0.00074 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.2	mg/kg		4.2	mg/kg	0.00042 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		4.2	mg/kg		4.2	mg/kg	0.00042 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.6	mg/kg		5.6	mg/kg	0.00056 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.2	mg/kg		2.2	mg/kg	0.00022 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.7	mg/kg		4.7	mg/kg	0.00047 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		2.9	mg/kg		2.9	mg/kg	0.00029 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.1	mg/kg		1.1	mg/kg	0.00011 %		
36		benzo[ghi]perylene		205-883-8	191-24-2		3	mg/kg		3	mg/kg	0.0003 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
											Total:	0.12 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.029%)

Classification of sample: WS103[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS103[2]
Sample Depth:
1.00-2.00 m
Moisture content:
17%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2 mg/kg	1.32	2.641 mg/kg	0.000264 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	3.7 mg/kg	3.22	11.914 mg/kg	0.00119 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.9 mg/kg	1.462	2.777 mg/kg	0.000278 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	20.266 mg/kg	0.00203 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	150 mg/kg		150 mg/kg	0.015 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.72 mg/kg	1.353	0.975 mg/kg	0.0000975 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.75 mg/kg	0.000075 %		
11	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 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<**LOD**
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		30 mg/kg	2.774	83.224 mg/kg	0.00832 %		
14	TPH (C6 to C40) petroleum group			TPH		41 mg/kg		41 mg/kg	0.0041 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				7	mg/kg	1.884	13.188	mg/kg	0.00132 %		
		006-007-00-5											
21		naphthalene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
			205-912-4	206-44-0									
28		pyrene				0.61	mg/kg		0.61	mg/kg	0.000061 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0041%)

Classification of sample: WS103[3]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS103[3]
Sample Depth:
2.00-3.00 m
Moisture content:
11%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.6	mg/kg	1.32	7.394	mg/kg	0.000739 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	2.2	mg/kg	3.22	7.084	mg/kg	0.000708 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.9	mg/kg	1.142	1.028	mg/kg	0.000103 %		
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.9	mg/kg	1.462	10.085	mg/kg	0.00101 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		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 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	42	mg/kg		42	mg/kg	0.0042 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1	mg/kg	1.353	0.135	mg/kg	0.0000135 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.9	mg/kg	1.5	2.85	mg/kg	0.000285 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		26	mg/kg	2.976	77.383	mg/kg	0.00774 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.97	mg/kg	2.554	2.477	mg/kg	0.000248 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
14		TPH (C6 to C40) petroleum group			TPH		14	mg/kg		14	mg/kg	0.0014 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.45	mg/kg		0.45	mg/kg	0.000045 %		
28		pyrene		204-927-3	129-00-0		0.39	mg/kg		0.39	mg/kg	0.000039 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
											Total:	0.0329 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

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: WS104

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS104
Sample Depth:
0.30-0.90 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.7 mg/kg	1.32	0.924 mg/kg	0.0000924 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.65 mg/kg	3.22	2.093 mg/kg	0.000209 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2 mg/kg	1.462	2.923 mg/kg	0.000292 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6 mg/kg	1.126	6.755 mg/kg	0.000676 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	49 mg/kg		49 mg/kg	0.0049 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.19 mg/kg	1.353	0.257 mg/kg	0.0000257 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<**LOD**
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		2.8 mg/kg	2.976	8.334 mg/kg	0.000833 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<**LOD**
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		19 mg/kg	2.774	52.709 mg/kg	0.00527 %		
14	TPH (C6 to C40) petroleum group			TPH		290 mg/kg		290 mg/kg	0.029 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			201-581-5	85-01-8									
26		anthracene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			204-371-1	120-12-7									
27		fluoranthene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
			205-912-4	206-44-0									
28		pyrene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				0.75	mg/kg		0.75	mg/kg	0.000075 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0433 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.029%)

Classification of sample: WS105

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS105
Sample Depth:
0.50-1.50 m
Moisture content:
7.9%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 7.9% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.72	mg/kg	3.22	2.318	mg/kg	0.000232 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.5	mg/kg	1.142	1.713	mg/kg	0.000171 %		
5		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 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30	mg/kg	1.126	33.777	mg/kg	0.00338 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	25	mg/kg		25	mg/kg	0.0025 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.07	mg/kg	1.353	0.0947	mg/kg	0.00000947 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.6	mg/kg	1.5	3.9	mg/kg	0.00039 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		43	mg/kg	2.976	127.979	mg/kg	0.0128 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4	mg/kg	2.554	3.575	mg/kg	0.000358 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		82	mg/kg	2.774	227.48	mg/kg	0.0227 %		
14		TPH (C6 to C40) petroleum group			TPH		69	mg/kg		69	mg/kg	0.0069 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
20		cyanides { 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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<**LOD**
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24		fluorene		201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25		phenanthrene		201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27		fluoranthene		205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28		pyrene		204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
									Total:	0.0542 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0069%)

Classification of sample: WS105[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS105[2]
Sample Depth:
2.00-3.00 m
Moisture content:
6.2%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 6.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.55 mg/kg	3.22	1.771 mg/kg	0.000177 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1 mg/kg	1.142	1.142 mg/kg	0.000114 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		71 mg/kg	1.126	79.938 mg/kg	0.00799 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	290 mg/kg		290 mg/kg	0.029 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.13 mg/kg	1.353	0.176 mg/kg	0.0000176 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.2 mg/kg	1.5	7.801 mg/kg	0.00078 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		26 mg/kg	2.976	77.383 mg/kg	0.00774 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.63 mg/kg	2.554	1.609 mg/kg	0.000161 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		160 mg/kg	2.774	443.863 mg/kg	0.0444 %		
14	TPH (C6 to C40) petroleum group			TPH		27 mg/kg		27 mg/kg	0.0027 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
		006-007-00-5											
21		naphthalene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			201-581-5	85-01-8									
26		anthracene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
			204-371-1	120-12-7									
27		fluoranthene				6.5	mg/kg		6.5	mg/kg	0.00065 %		
			205-912-4	206-44-0									
28		pyrene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				3	mg/kg		3	mg/kg	0.0003 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				5.2	mg/kg		5.2	mg/kg	0.00052 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				4.3	mg/kg		4.3	mg/kg	0.00043 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.72	mg/kg		0.72	mg/kg	0.000072 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.102 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

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: WS106

Hazardous Waste
Classified as **17 09 03 ***
in the List of Waste

Sample details

Sample name:
WS106
Sample Depth:
0.20-1.00 m
Moisture content:
11%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 03 * (Other construction and demolition wastes (including mixed wastes) 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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.18%)

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.: 0.18%)

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.: 0.18%)

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		antimony { antimony trioxide }				2.7	mg/kg	1.197	3.232	mg/kg	0.000323 %		
		051-005-00-X	215-175-0	1309-64-4									
2		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									
3		boron { diboron trioxide }			11	1.5	mg/kg	3.22	4.83	mg/kg	0.000483 %		
		005-008-00-8	215-125-8	1303-86-2									
4		cadmium { cadmium oxide }				2.2	mg/kg	1.142	2.513	mg/kg	0.000251 %		
		048-002-00-0	215-146-2	1306-19-0									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10	mg/kg	1.462	14.616	mg/kg	0.00146 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		310	mg/kg	1.126	349.025	mg/kg	0.0349 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	660	mg/kg		660	mg/kg	0.066 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.34	mg/kg	1.353	0.46	mg/kg	0.000046 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6	mg/kg	1.5	2.4	mg/kg	0.00024 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		23	mg/kg	2.976	68.454	mg/kg	0.00685 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1	mg/kg	2.554	2.554	mg/kg	0.000255 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		220	mg/kg	2.774	610.312	mg/kg	0.061 %		
14		TPH (C6 to C40) petroleum group			TPH		1800	mg/kg		1800	mg/kg	0.18 %		
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.88	mg/kg		0.88	mg/kg	0.000088 %		
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		phenanthrene		201-581-5	85-01-8		7.7	mg/kg		7.7	mg/kg	0.00077 %		
26		anthracene		204-371-1	120-12-7		1.7	mg/kg		1.7	mg/kg	0.00017 %		
27		fluoranthene		205-912-4	206-44-0		9.8	mg/kg		9.8	mg/kg	0.00098 %		
28		pyrene		204-927-3	129-00-0		7.7	mg/kg		7.7	mg/kg	0.00077 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.8	mg/kg		4.8	mg/kg	0.00048 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
30		chrysene				4.7	mg/kg		4.7	mg/kg	0.00047 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				5.7	mg/kg		5.7	mg/kg	0.00057 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				4.3	mg/kg		4.3	mg/kg	0.00043 %		
		601-032-00-3	200-028-5	50-32-8									
34	•	indeno[123-cd]pyrene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-041-00-2	200-181-8	53-70-3									
36	•	benzo[ghi]perylene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38	•	polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.359 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.18%)

Classification of sample: WS106[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS106[2]
Sample Depth:
1.00-2.00 m
Moisture content:
13%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4 mg/kg	1.197	4.788 mg/kg	0.000479 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	2.8 mg/kg	3.22	9.016 mg/kg	0.000902 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		95 mg/kg	1.126	106.959 mg/kg	0.0107 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	700 mg/kg		700 mg/kg	0.07 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3 mg/kg	1.5	4.501 mg/kg	0.00045 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		47 mg/kg	2.976	139.884 mg/kg	0.014 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.93 mg/kg	2.554	2.375 mg/kg	0.000238 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		130 mg/kg	2.774	360.639 mg/kg	0.0361 %		
14	TPH (C6 to C40) petroleum group			TPH		49 mg/kg		49 mg/kg	0.0049 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			205-912-4	206-44-0									
28		pyrene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.143 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: WS106[3]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS106[3]
Sample Depth:
2.00-3.00 m
Moisture content:
10%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 10% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		3.5 mg/kg	1.197	4.19 mg/kg	0.000419 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.5 mg/kg	1.142	3.998 mg/kg	0.0004 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		47 mg/kg	1.126	52.917 mg/kg	0.00529 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	24 mg/kg		24 mg/kg	0.0024 %		
9	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 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		8.1 mg/kg	1.5	12.152 mg/kg	0.00122 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		67 mg/kg	2.976	199.41 mg/kg	0.0199 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2.2 mg/kg	2.554	5.618 mg/kg	0.000562 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		120 mg/kg	2.774	332.898 mg/kg	0.0333 %		
14	TPH (C6 to C40) petroleum group			TPH		29 mg/kg		29 mg/kg	0.0029 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.4	mg/kg		0.4	mg/kg	0.00004 %		
28		pyrene		204-927-3	129-00-0		0.37	mg/kg		0.37	mg/kg	0.000037 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
											Total:	0.0724 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

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: WS107

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS107
Sample Depth:
0.50-1.50 m
Moisture content:
17%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.1 mg/kg	1.197	2.514 mg/kg	0.000251 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.8 mg/kg	3.22	5.796 mg/kg	0.00058 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.2 mg/kg	1.142	1.371 mg/kg	0.000137 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		140 mg/kg	1.126	157.624 mg/kg	0.0158 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	670 mg/kg		670 mg/kg	0.067 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.91 mg/kg	1.353	1.232 mg/kg	0.000123 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.8 mg/kg	1.5	5.701 mg/kg	0.00057 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		63 mg/kg	2.976	187.505 mg/kg	0.0188 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.8 mg/kg	2.554	4.597 mg/kg	0.00046 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		190 mg/kg	2.774	527.088 mg/kg	0.0527 %		
14	TPH (C6 to C40) petroleum group			TPH		910 mg/kg		910 mg/kg	0.091 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				11	mg/kg	1.884	20.724	mg/kg	0.00207 %		
		006-007-00-5											
21		naphthalene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
			201-581-5	85-01-8									
26		anthracene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
			204-371-1	120-12-7									
27		fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-912-4	206-44-0									
28		pyrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.88	mg/kg		0.88	mg/kg	0.000088 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.96	mg/kg		0.96	mg/kg	0.000096 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.77	mg/kg		0.77	mg/kg	0.000077 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.39	mg/kg		0.39	mg/kg	0.000039 %		
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
			205-883-8	191-24-2									
37		phenol				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.256 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.091%)

Classification of sample: WS108

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS108
Sample Depth:
1.00-2.00 m
Moisture content:
15%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.8	mg/kg	1.32	2.377	mg/kg	0.000238 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.8	mg/kg	3.22	5.796	mg/kg	0.00058 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.6	mg/kg	1.462	2.338	mg/kg	0.000234 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		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 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	120	mg/kg		120	mg/kg	0.012 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.43	mg/kg	1.353	0.582	mg/kg	0.0000582 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5	mg/kg	1.5	<0.75	mg/kg	<0.000075 %		<**LOD**
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		3.1	mg/kg	2.976	9.226	mg/kg	0.000923 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25	mg/kg	2.554	<0.638	mg/kg	<0.0000638 %		<**LOD**
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		87	mg/kg	2.774	241.351	mg/kg	0.0241 %		
14		TPH (C6 to C40) petroleum group			TPH		43	mg/kg		43	mg/kg	0.0043 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
		006-007-00-5											
21		naphthalene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				0.49	mg/kg		0.49	mg/kg	0.000049 %		
			201-581-5	85-01-8									
26		anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			204-371-1	120-12-7									
27		fluoranthene				0.83	mg/kg		0.83	mg/kg	0.000083 %		
			205-912-4	206-44-0									
28		pyrene				0.73	mg/kg		0.73	mg/kg	0.000073 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0455 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0043%)

Classification of sample: WS108[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS108[2]
Sample Depth:
2.00-3.00 m
Moisture content:
14%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.4 mg/kg	1.32	12.411 mg/kg	0.00124 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.3 mg/kg	1.142	1.485 mg/kg	0.000149 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10 mg/kg	1.462	14.616 mg/kg	0.00146 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31 mg/kg	1.126	34.903 mg/kg	0.00349 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	30 mg/kg		30 mg/kg	0.003 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.13 mg/kg	1.353	0.176 mg/kg	0.0000176 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.9 mg/kg	1.5	2.85 mg/kg	0.000285 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		30 mg/kg	2.976	89.288 mg/kg	0.00893 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4 mg/kg	2.554	3.575 mg/kg	0.000358 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		58 mg/kg	2.774	160.9 mg/kg	0.0161 %		
14	TPH (C6 to C40) petroleum group			TPH		29 mg/kg		29 mg/kg	0.0029 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				6	mg/kg	1.884	11.304	mg/kg	0.00113 %		
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.04 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

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: WS109

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS109
Sample Depth:
0.50-1.00 m
Moisture content:
12%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.9 mg/kg	1.197	3.472 mg/kg	0.000347 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	2.8 mg/kg	3.22	9.016 mg/kg	0.000902 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.4 mg/kg	1.142	1.599 mg/kg	0.00016 %		
5	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 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		93 mg/kg	1.126	104.708 mg/kg	0.0105 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1200 mg/kg		1200 mg/kg	0.12 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1 mg/kg	1.353	1.489 mg/kg	0.000149 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.4 mg/kg	1.5	3.6 mg/kg	0.00036 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		28 mg/kg	2.976	83.335 mg/kg	0.00833 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4 mg/kg	2.554	3.575 mg/kg	0.000358 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		180 mg/kg	2.774	499.346 mg/kg	0.0499 %		
14	TPH (C6 to C40) petroleum group			TPH		130 mg/kg		130 mg/kg	0.013 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20		cyanides { 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				1.9	mg/kg	1.884	3.58	mg/kg	0.000358 %		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		1.8	mg/kg		1.8	mg/kg	0.00018 %		
22		acenaphthylene		205-917-1	208-96-8		0.71	mg/kg		0.71	mg/kg	0.000071 %		
23		acenaphthene		201-469-6	83-32-9		3.1	mg/kg		3.1	mg/kg	0.00031 %		
24		fluorene		201-695-5	86-73-7		3.7	mg/kg		3.7	mg/kg	0.00037 %		
25		phenanthrene		201-581-5	85-01-8		40	mg/kg		40	mg/kg	0.004 %		
26		anthracene		204-371-1	120-12-7		13	mg/kg		13	mg/kg	0.0013 %		
27		fluoranthene		205-912-4	206-44-0		84	mg/kg		84	mg/kg	0.0084 %		
28		pyrene		204-927-3	129-00-0		71	mg/kg		71	mg/kg	0.0071 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		45	mg/kg		45	mg/kg	0.0045 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		39	mg/kg		39	mg/kg	0.0039 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		52	mg/kg		52	mg/kg	0.0052 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		20	mg/kg		20	mg/kg	0.002 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		43	mg/kg		43	mg/kg	0.0043 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		26	mg/kg		26	mg/kg	0.0026 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		6.3	mg/kg		6.3	mg/kg	0.00063 %		
36		benzo[ghi]perylene		205-883-8	191-24-2		23	mg/kg		23	mg/kg	0.0023 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
											Total:	0.256 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.013%)

Classification of sample: WS109[2]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS109[2]
Sample Depth:
1.00-2.00 m
Moisture content:
18%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2 mg/kg	1.197	<2.394 mg/kg	<0.000239 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.7 mg/kg	1.32	3.565 mg/kg	0.000356 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	3 mg/kg	3.22	9.66 mg/kg	0.000966 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.1 mg/kg	1.462	5.992 mg/kg	0.000599 %		
6	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				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		140 mg/kg	1.126	157.624 mg/kg	0.0158 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	920 mg/kg		920 mg/kg	0.092 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.87 mg/kg	1.353	1.178 mg/kg	0.000118 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.5 mg/kg	1.5	<0.75 mg/kg	<0.000075 %		<**LOD**
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		8.4 mg/kg	2.976	25.001 mg/kg	0.0025 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<**LOD**
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		38 mg/kg	2.774	105.418 mg/kg	0.0105 %		
14	TPH (C6 to C40) petroleum group			TPH		420 mg/kg		420 mg/kg	0.042 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20		cyanides { 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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.33	mg/kg		0.33	mg/kg	0.000033 %		
26		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.27	mg/kg		0.27	mg/kg	0.000027 %		
28		pyrene		204-927-3	129-00-0		0.34	mg/kg		0.34	mg/kg	0.000034 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
											Total:	0.166 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.042%)

Classification of sample: WS109[3]

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS109[3]
Sample Depth:
2.00-3.00 m
Moisture content:
9.6%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 9.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13	mg/kg	1.32	17.164	mg/kg	0.00172 %		
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.74	mg/kg	3.22	2.383	mg/kg	0.000238 %		
4		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.6	mg/kg	1.142	2.97	mg/kg	0.000297 %		
5		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 %		
6		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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		40	mg/kg	1.126	45.036	mg/kg	0.0045 %		
8		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	35	mg/kg		35	mg/kg	0.0035 %		
9		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.12	mg/kg	1.353	0.162	mg/kg	0.0000162 %		
10		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.4	mg/kg	1.5	5.101	mg/kg	0.00051 %		
11		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		47	mg/kg	2.976	139.884	mg/kg	0.014 %		
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2	mg/kg	2.554	5.108	mg/kg	0.000511 %		
13		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		110	mg/kg	2.774	305.156	mg/kg	0.0305 %		
14		TPH (C6 to C40) petroleum group			TPH		12	mg/kg		12	mg/kg	0.0012 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
16		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
18		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
19		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
20		cyanides { 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				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
22		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		phenanthrene		201-581-5	85-01-8		0.98	mg/kg		0.98	mg/kg	0.000098 %		
26		anthracene		204-371-1	120-12-7		0.26	mg/kg		0.26	mg/kg	0.000026 %		
27		fluoranthene		205-912-4	206-44-0		1.8	mg/kg		1.8	mg/kg	0.00018 %		
28		pyrene		204-927-3	129-00-0		1.6	mg/kg		1.6	mg/kg	0.00016 %		
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.92	mg/kg		0.92	mg/kg	0.000092 %		
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.93	mg/kg		0.93	mg/kg	0.000093 %		
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.3	mg/kg		1.3	mg/kg	0.00013 %		
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.42	mg/kg		0.42	mg/kg	0.000042 %		
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.1	mg/kg		1.1	mg/kg	0.00011 %		
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.74	mg/kg		0.74	mg/kg	0.000074 %		
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
36		benzo[ghi]perylene		205-883-8	191-24-2		0.71	mg/kg		0.71	mg/kg	0.000071 %		
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
38		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
											Total:	0.0606 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

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: WS110

Non Hazardous Waste
Classified as **17 09 04**
in the List of Waste

Sample details

Sample name:
WS110
Sample Depth:
0.50-1.50 m
Moisture content:
16%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.3	mg/kg	1.197	2.753	mg/kg	0.000275 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14	mg/kg	1.32	18.485	mg/kg	0.00185 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	1	mg/kg	3.22	3.22	mg/kg	0.000322 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.8	mg/kg	1.142	2.056	mg/kg	0.000206 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
6	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				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		**<LOD**
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		130	mg/kg	1.126	146.365	mg/kg	0.0146 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	860	mg/kg		860	mg/kg	0.086 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.42	mg/kg	1.353	0.568	mg/kg	0.0000568 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.2	mg/kg	1.5	3.3	mg/kg	0.00033 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		24	mg/kg	2.976	71.43	mg/kg	0.00714 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.93	mg/kg	2.554	2.375	mg/kg	0.000238 %		
13	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		130	mg/kg	2.774	360.639	mg/kg	0.0361 %		
14	TPH (C6 to C40) petroleum group			TPH		130	mg/kg		130	mg/kg	0.013 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
16		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		xylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 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		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.8	mg/kg	1.884	1.507	mg/kg	0.000151 %		
		006-007-00-5											
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-912-4	206-44-0									
28		pyrene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
		601-036-00-5	205-916-6	207-08-9									
33		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									
34		indeno[123-cd]pyrene				0.99	mg/kg		0.99	mg/kg	0.000099 %		
			205-893-2	193-39-5									
35		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									
36		benzo[ghi]perylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-883-8	191-24-2									
37		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.164 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.013%)

Appendix A: Classifier defined and non EU 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: 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**

EU 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
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. 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)

EU CLP index number: 601-023-00-4
Description/Comments:
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**

EU CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

- **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

EU 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.
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

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

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}

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

Laboratory analysis shows that hexavalent chromium is below detection, thus lead chromate is extremely unlikely to have formed.

mercury {mercury dichloride}

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

molybdenum {molybdenum(VI) oxide}

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] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: EU WM3 1st Edition v1.1.NI using the EU LoW
HazWasteOnline Classification Engine Version: 2024.229.6218.11418 (17 Aug 2024)
HazWasteOnline Database: 2024.229.6218.11418 (17 Aug 2024)

This classification utilises the following guidance and legislation:
WM3 v1.1.NI - Waste Classification - 1st Edition v1.1.NI - Jan 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
17th ATP - Regulation (EU) 2021/849 of 11 March 2021
18th ATP - Regulation (EU) 2022/692 of 16 February 2022
POPs Amendment 2022 - Regulation (EU) 2022/2400 of 23 November 2022
19th ATP - Regulation (EU) 2023/1434 of 25 April 2023
20th ATP - Regulation (EU) 2023/1435 of 2 May 2023
21st ATP - Regulation (EU) 2024/197 of 19 October 2023

Appendix 4

Excavation Plan

O'Callaghan Moran & Associates,
Unit 15 Melbourne Business Park,
Model Farm Road, Cork.
Tel. (021) 4345366
Email: info@ocallaghanmoran.com

Title:

Excavation Plan 0.00-1.00m

Legend

Client:

IGSL Limited

O'Callaghan Moran & Associates,
Unit 15 Melbourne Business Park,
Model Farm Road, Cork.
Tel. (021) 4345366
Email: info@ocallaghanmoran.com

Title:

Excavation Plan 1.00-2.00m

Legend

Client:

IGSL Limited

O'Callaghan Moran & Associates,
Unit 15 Melbourne Business Park,
Model Farm Road, Cork.
Tel. (021) 4345366
Email: info@ocallaghanmoran.com

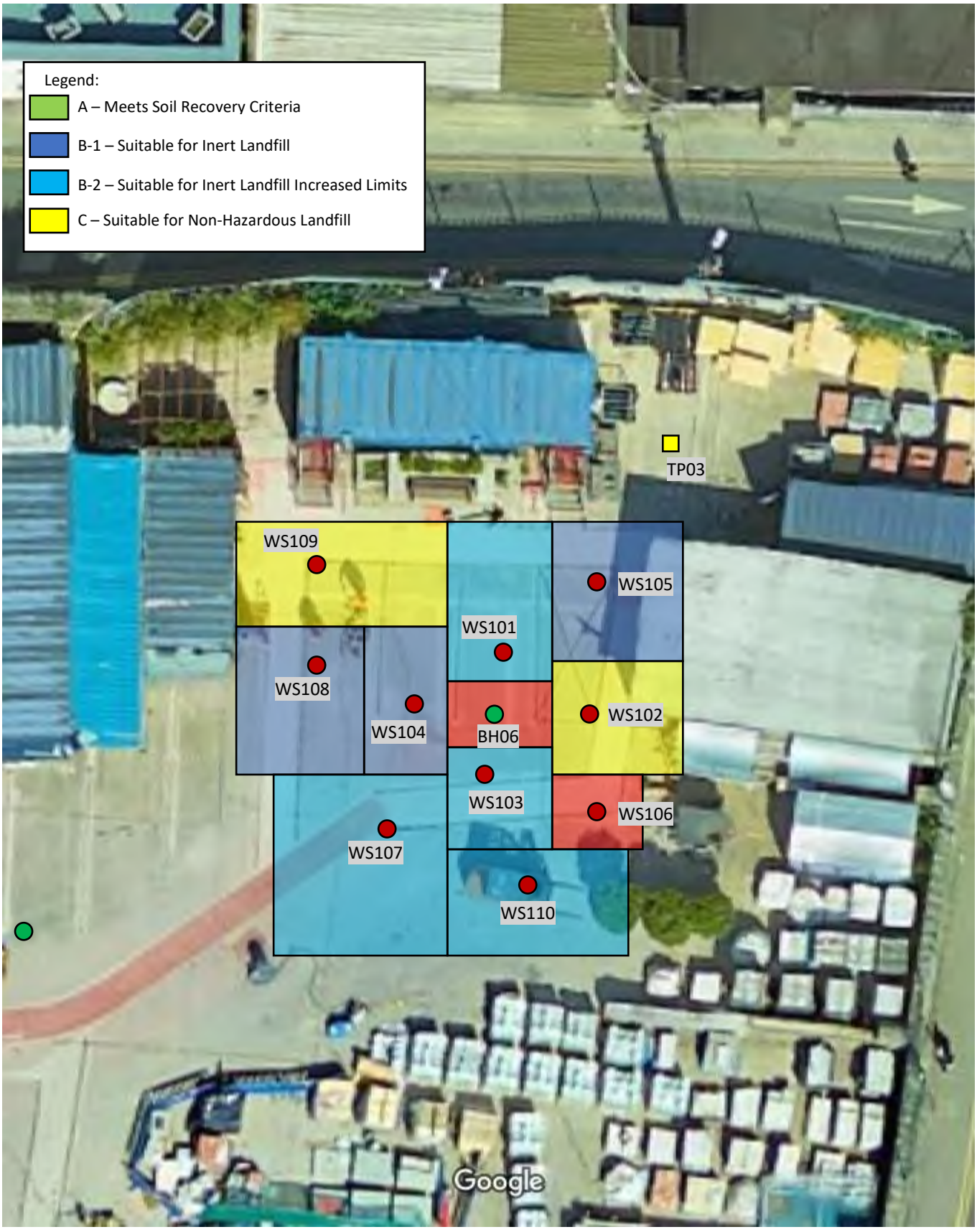
Title:

Excavation Plan 2.00-3.00m

Legend

Client:

IGSL Limited



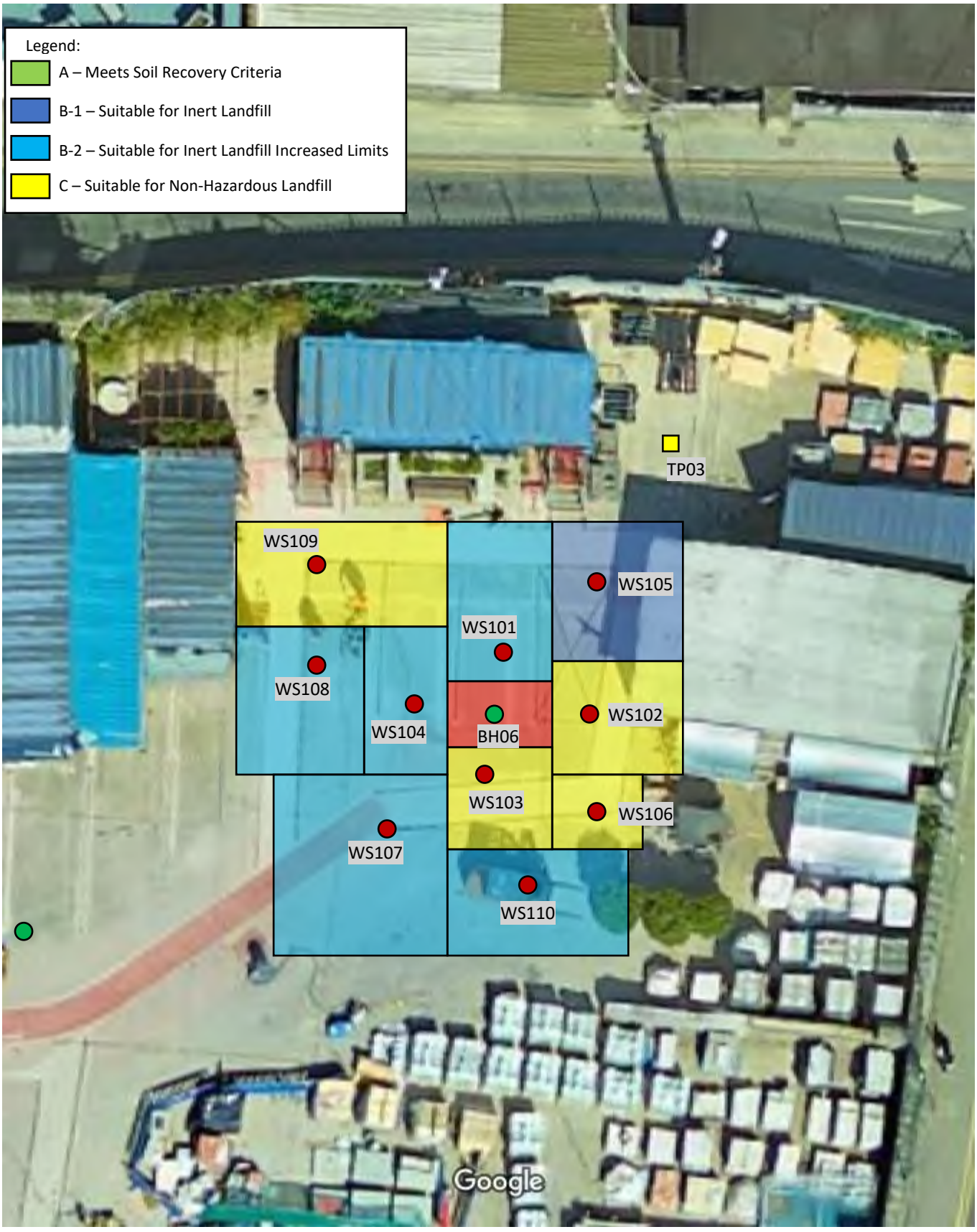
O'Callaghan Moran & Associates,
Unit 15 Melbourne Business Park,
Model Farm Road, Cork.
Tel. (021) 4345366
Email: info@ocallaghanmoran.com

Title:

Excavation Plan (BH06) 0.00-1.00m

Client:

IGSL Limited



O'Callaghan Moran & Associates,
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Model Farm Road, Cork.
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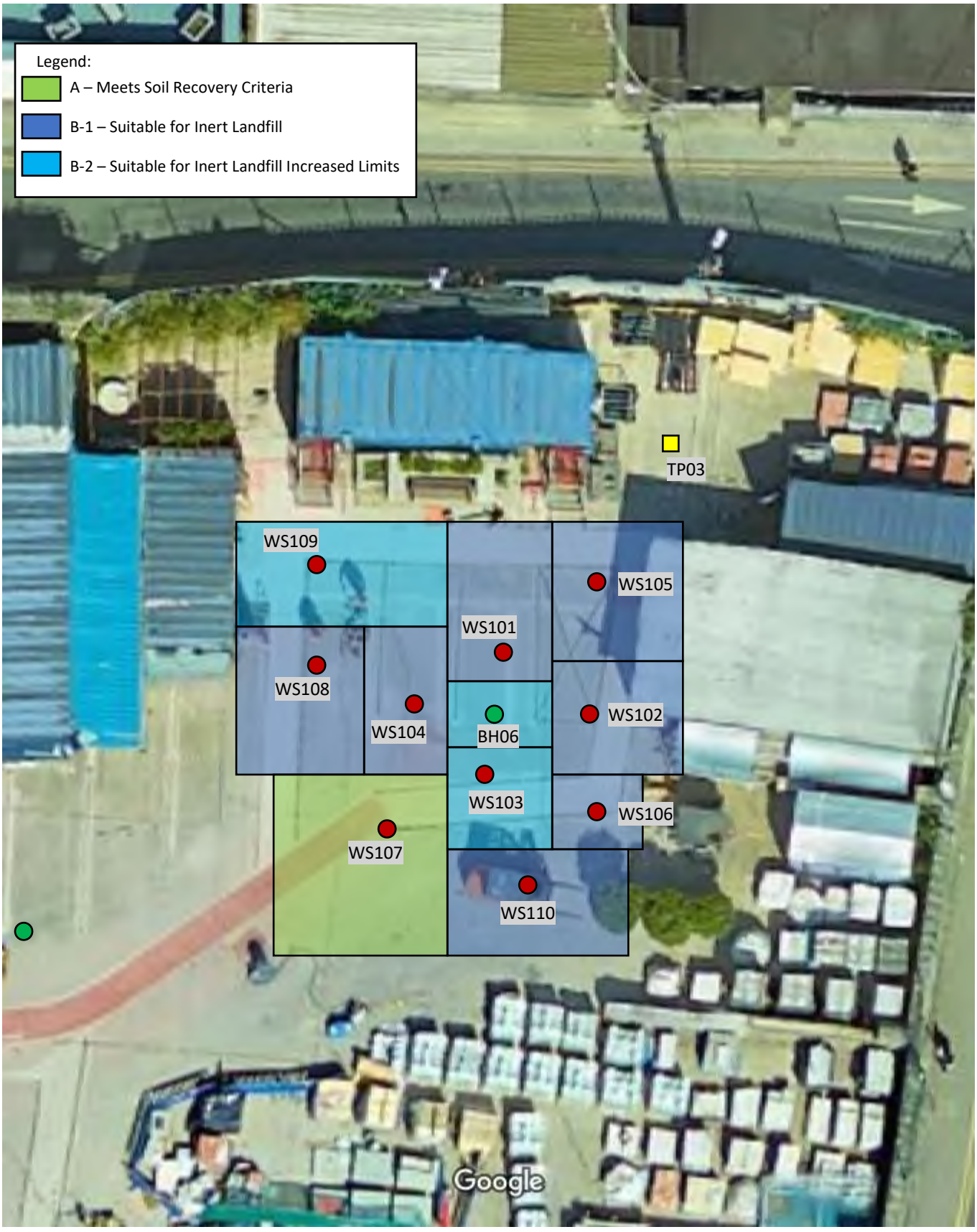
Email: info@ocallaghanmoran.com

Title:

Excavation Plan (BH06) 1.00-2.00m

Client:

IGSL Limited



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Excavation Plan (BH06) 2.00-3.00m

Client:

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