Unit 15
Melbourne Business Park
Model Farm Road
Cork T12 WR89

T: 021 434 5366
E:admin@ocallaghanmoran.com
www.ocallaghanmoran.com

Waste Characterisation Assessment

Collins Avenue

Whitehall

Dublin 9

Prepared For: -

IGSL Limited
Unit F
M7 Business Park
Naas
County Kildare

Prepared By: -

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

March 2024

Project	Waste Characterisation: Collins Avenue, Whitehall, Dublin 9			
Client	IGSL Limited			
Report No	Date	Status	Prepared By	Reviewed By
240011401	26/03/2024	Final	Austin Hynes PGeo MSc	Sean Moran B.Sc. MSc

TABLE OF CONTENTS

PAGE

1 INTRODUCTION 1

1.1 METHODOLOGY 1

2 WASTE CLASSIFICATION ASSESSMENT 2

2.1 SOIL SAMPLING AND LABORATORY ANALYSIS 2
2.2 WASTE CLASSIFICATION 6
2.3 WASTE ACCEPTANCE CRITERIA 7
2.4 WASTE MANAGEMENT OPTIONS 11

3 CONCLUSIONS AND RECOMMENDATIONS 13

3.1 CONCLUSIONS 13
3.2 RECOMMENDATIONS 13

APPENDICES

APPENDIX 1 - Trial Pit and Borehole Logs

APPENDIX 2 - Laboratory Results

APPENDIX 3 - Waste Classification Report

1 INTRODUCTION

IGSL Limited requested O'Callaghan Moran & Associates (OCM) to undertake a waste characterisation assessment of thirty one (31 No.) samples of made and natural ground collected from seventeen (17 No.) cable percussion boreholes and ten (10 No.) trial pits from a site at Collins Avenue, Whitehall, Dublin 9.

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 site investigation was undertaken in November 2023 and included the collection thirty-one (31 No.) samples of made and natural ground collected from seventeen (17 No.) cable percussion boreholes and ten (10 No.) trial pits. The location of the samples is shown on DWG01 and DGW02. The logs are in Appendix 1.

There is concrete or bituminous surfacing at the surface of all locations.

The subsurface comprises Made Ground underlain by Natural Ground. The Made Ground is circa. 1.00m in thickness across the site but extends up to 1.30 mbgl at TP05 and 1.50 mbgl at TP05. The Made Ground is composed of sandy gravelly CLAY with cobble content. The Made Ground at TP01, TP03, TP04, TP07, TP08 and BH08 contains non-natural material <2% of the soil matrix including fragments of plastic, concrete and bituminous surfacing.

The Natural Ground comprises soft to firm, sandy gravelly CLAY to between 1.50-2.00 mbgl. This is underlain by stiff to very stiff, sandy gravelly CLAY with cobble and boulder content at least 5.30 mbgl.

A hydrocarbon odour was noted in TP01 (0.20-0.90 mbgl), TP04 (0.20-0.90 mbgl) and TP09 (0.25-0.50 mbgl and 1.10-1.85 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).

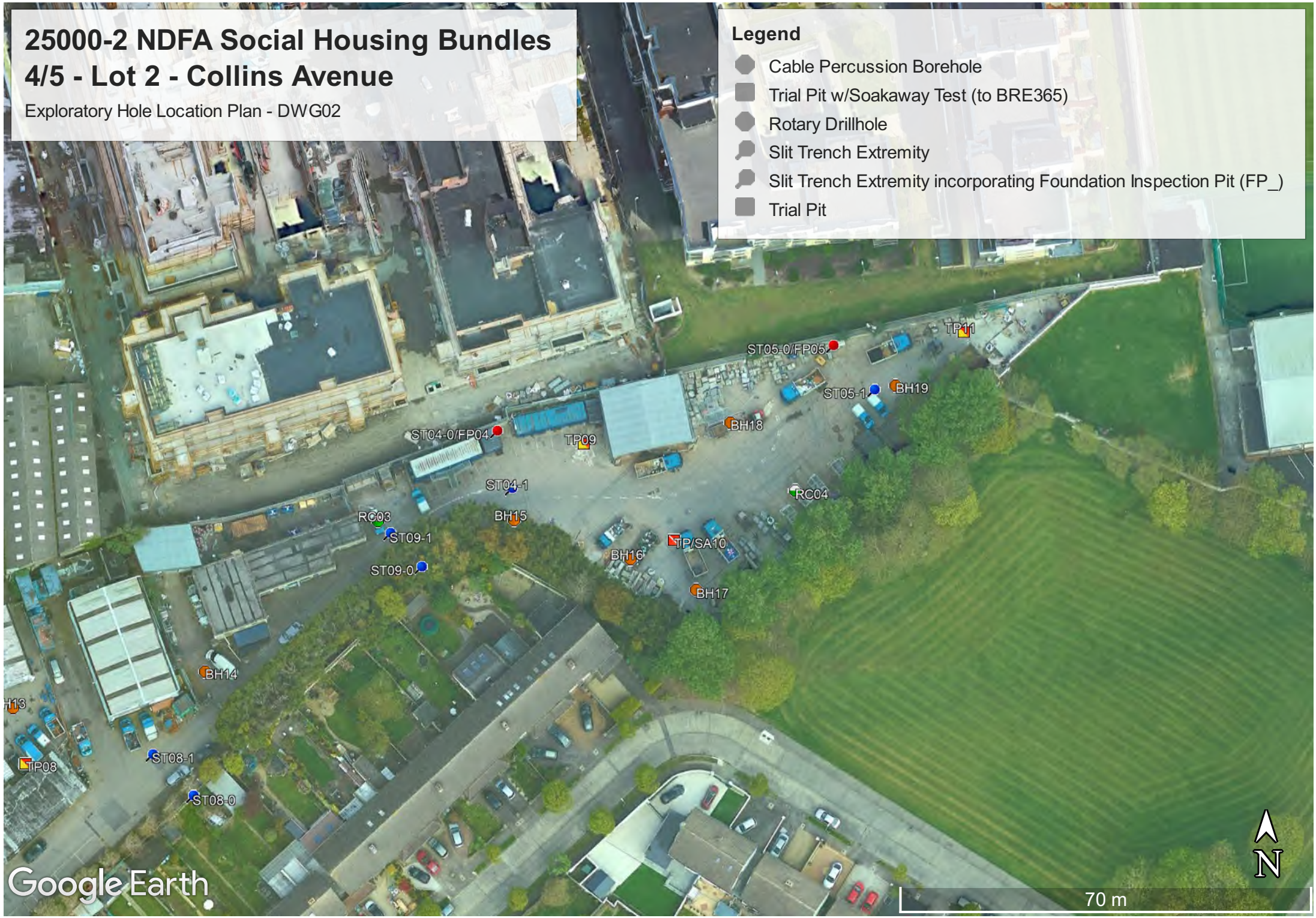
This parameter range facilitates an assessment of the hazardous properties of the waste, and also allows a determination of appropriate off-site management options based on the Waste Acceptance Criteria (WAC) applied by landfill operators.

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.


25000-2 NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue
Exploratory Hole Location Plan - DWG01
Legend
Cable Percussion Borehole
Trial Pit w/Soakaway Test (to BRE365)
Rotary Drillhole
Slit Trench Extremity
Slit Trench Extremity incorporating Foundation Inspection Pit (FP_)
Trial Pit
BH01
BH02
BH03
BH04
BH05
BH06
BH07
BH08
BH09
BH10
BH11
BH12
BH13
BH14
RC01
RC02
TP/SA01
TP02
TP03
TP04
TP05
TP07
TP08
TP/SA06
ST01-0
ST01-1
ST02-0/FP02
ST02-1
ST03-0/FP03
ST03-1
ST06-0
ST06-1
ST07-0
ST07-1
ST08-0
ST08-1
Google Earth
N
70 m

25000-2 NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

Exploratory Hole Location Plan - DWG02



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.

Table 2.1 Waste Classification

Sample No.	Depth	Classification	LoW Code
BH01	1.00	Non-Hazardous	17 05 04
BH02	1.00	Non-Hazardous	17 05 04
BH03	0.50	Non-Hazardous	17 05 04
BH04	0.50	Non-Hazardous	17 05 04
BH05	1.00	Non-Hazardous	17 05 04
BH06	0.50	Non-Hazardous	17 05 04
BH07	0.50	Non-Hazardous	17 05 04
BH07	2.00	Non-Hazardous	17 05 04
BH08	0.50	Non-Hazardous	17 05 04
BH09	1.00	Non-Hazardous	17 05 04
BH10	1.00	Non-Hazardous	17 05 04
BH11	0.50	Non-Hazardous	17 05 04
BH12	1.00	Non-Hazardous	17 05 04
BH13	0.50	Non-Hazardous	17 05 04
BH14	1.00	Non-Hazardous	17 05 04
BH16	0.50	Non-Hazardous	17 05 04
BH18	1.00	Non-Hazardous	17 05 04
BH19	1.00	Non-Hazardous	17 05 04
TP01	0.50	Non-Hazardous	17 05 04
TP02	0.50	Non-Hazardous	17 05 04
TP03	0.70	Non-Hazardous	17 05 04
TP03	1.50	Non-Hazardous	17 05 04
TP04	0.80	Non-Hazardous	17 05 04
TP05	0.40	Non-Hazardous	17 05 04
TP05	1.70	Non-Hazardous	17 05 04
TP06	0.50	Non-Hazardous	17 05 04
TP07	1.30	Non-Hazardous	17 05 04
TP08	0.60	Non-Hazardous	17 05 04
TP09	0.40	Non-Hazardous	17 05 04
TP09	1.60	Non-Hazardous	17 05 04
TP11	0.80	Non-Hazardous	17 05 04

Asbestos was not detected in any of the samples tested.

All 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*).

2.3 Waste Acceptance Criteria

The results of the WAC testing are presented in Table 2.2-2.4, 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.

Antimony exceeds the inert WAC for BH16 (0.50m)

Chloride exceeds the inert WAC in BH16 (0.50m) and BH18 (1.00m).

Sulphate exceeds the inert WAC in TP02 (0.50m) and TP05 (0.40m).

Total Organic Carbon (TOC) exceeds the inert WAC for BH03 (0.50m), BH04 (0.50m), BH07 (0.50m), BH08 (0.50m), BH13 (0.50m), TP02 (0.50m), TP03 (0.70m), TP05 (0.40m), TP06 (0.60m), TP08 (0.60m) and TP11 (0.80m), and the inert WAC increased limits for TP09 (0.40m).

Total PAH's exceeds the inert WAC increased limits for TP04 (0.80m).

All other samples meet the inert WAC.

Table 2.2 WAC Results

Parameter	Unit	BH01	BH02	BH03	BH04	BH05	BH06	BH07	BH07	BH08	BH09	BH10	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**1.00**	**1.00**	**0.50**	**0.50**	**1.00**	**0.50**	**0.50**	**2.00**	**0.50**	**1.00**	**1.00**				
Antimony	mg/kg	0.011	< 0.0050	0.015	0.021	< 0.0050	0.041	0.046	0.014	0.040	< 0.0050	0.0056	0.06	0.18	0.7	5
Arsenic	mg/kg	0.012	< 0.0020	0.0031	0.013	< 0.0020	0.082	0.013	0.014	0.069	0.0075	0.013	0.5	1.5	2	25
Barium	mg/kg	0.24	< 0.050	0.41	0.67	< 0.050	0.22	0.38	0.87	0.52	0.11	< 0.050	20	20	100	300
Cadmium	mg/kg	0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0021	< 0.0011	< 0.0011	< 0.0011	0.04	0.04	1	5
Chromium	mg/kg	< 0.0050	< 0.0050	0.073	0.065	< 0.0050	0.016	0.20	0.012	0.0090	0.011	0.0094	0.5	0.5	10	70
Copper	mg/kg	0.023	0.0056	0.033	0.035	< 0.0050	0.12	0.20	0.043	0.039	0.014	0.022	2	2	50	100
Lead	mg/kg	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.013	0.014	< 0.0050	0.0078	0.5	0.5	10	50
Molybdenum	mg/kg	0.032	0.094	0.029	0.022	0.052	0.050	0.033	0.069	0.063	0.038	0.056	0.5	1.5	10	30
Nickel	mg/kg	0.026	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.079	< 0.0050	0.036	0.020	0.017	0.025	0.4	0.4	10	40
Selenium	mg/kg	0.013	0.0077	0.025	0.021	0.0067	0.025	0.023	0.0099	0.045	0.0082	0.013	0.1	0.3	0.5	7
Zinc	mg/kg	0.036	0.11	< 0.025	< 0.025	0.041	0.056	< 0.025	0.086	0.051	0.044	0.075	4	4	50	200
Mercury	mg/kg	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 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	2.7	2.2	2.6	1.9	1.8	1.7	2.0	3.2	2.4	3.4	5.1	10	10	150	500
Chloride	mg/kg	98	< 10	85	32	38	68	< 10	30	79	53	380	800	2,400	15,000	25,000
Sulphate	mg/kg	350	28	340	210	36	730	250	76	330	150	48	1000*	3,000	20000*	50,000
DOC **	mg/kg	60	< 50	< 50	< 50	< 50	84	< 50	65	64	< 50	53	500	500	800	1,000
pH	pH units	7.7	8.6	10.0	10.2	8.7	9.7	10.6	8.7	8.8	8.3	8.6	NE	NE	NE	NE
TDS ***	mg/kg	1500	56	1600	1300	62	1600	1600	860	1200	890	1500	4,000	12,000	60,000	100,000
TOC	%	1.2	1.3	4.8	4.3	0.38	2.9	4.1	0.92	5.3	0.51	0.72	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.0	< 1.0	< 1.0	69	< 1.0	< 1.0	NE	100	NE	NE
Mineral Oil	mg/kg	< 10	31	39	17	40	75	59	37	45	29	26	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

Table 2.3 WAC Results

Parameter	Unit	BH11	BH12	BH13	BH14	BH16	BH18	BH19	TP01	TP02	TP03	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**0.50**	**1.00**	**0.50**	**1.00**	**0.50**	**1.00**	**1.00**	**0.50**	**0.50**	**0.70**				
Antimony	mg/kg	0.036	0.021	0.054	0.014	0.082	0.0092	0.013	0.014	0.0059	0.0067	0.06	0.18	0.7	5
Arsenic	mg/kg	0.15	0.039	0.0072	0.0073	0.26	0.039	0.062	0.013	0.0042	0.060	0.5	1.5	2	25
Barium	mg/kg	0.18	0.33	0.48	0.064	0.12	< 0.050	0.077	0.28	0.24	< 0.050	20	20	100	300
Cadmium	mg/kg	< 0.0011	0.0043	< 0.0011	< 0.0011	0.012	< 0.0011	0.0017	< 0.0011	< 0.0011	< 0.0011	0.04	0.04	1	5
Chromium	mg/kg	0.015	0.018	0.11	< 0.0050	0.10	0.011	0.030	0.051	< 0.0050	< 0.0050	0.5	0.5	10	70
Copper	mg/kg	0.091	0.080	0.10	0.015	0.35	0.071	0.12	0.0061	< 0.0050	0.0060	2	2	50	100
Lead	mg/kg	0.023	0.031	< 0.0050	< 0.0050	0.20	0.015	0.050	< 0.0050	< 0.0050	< 0.0050	0.5	0.5	10	50
Molybdenum	mg/kg	0.072	0.071	0.049	0.11	0.28	0.36	0.26	0.040	0.017	0.0076	0.5	1.5	10	30
Nickel	mg/kg	0.035	0.085	0.042	0.011	0.31	0.033	0.11	< 0.0050	0.0076	< 0.0050	0.4	0.4	10	40
Selenium	mg/kg	0.033	0.015	0.031	< 0.0050	0.063	0.029	0.015	0.019	0.014	< 0.0050	0.1	0.3	0.5	7
Zinc	mg/kg	0.061	0.16	< 0.025	0.11	1.0	0.23	0.58	0.029	0.089	0.042	4	4	50	200
Mercury	mg/kg	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00063	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 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	1	1	NE	NE
Fluoride	mg/kg	2.4	5.6	2.2	3.3	8.5	5.1	5.6	2.1	2.7	< 1.0	10	10	150	500
Chloride	mg/kg	210	44	37	92	820	990	440	280	50	< 10	800	2,400	15,000	25,000
Sulphate	mg/kg	200	110	330	75	420	120	110	900	1800	< 10	1000*	3,000	20000*	50,000
DOC **	mg/kg	91	86	< 50	< 50	160	50	51	< 50	< 50	< 50	500	500	800	1,000
pH	pH units	8.4	8.5	10.5	8.6	8.9	8.7	8.9	9.2	8.3	9.0	NE	NE	NE	NE
TDS ***	mg/kg	1400	1000	1700	840	3100	3200	1500	2100	2600	210	4,000	12,000	60,000	100,000
TOC	%	2.6	1.8	5.2	0.62	1.9	2.0	0.57	2.2	3.5	5.5	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	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NE	100	NE	NE
Mineral Oil	mg/kg	29	39	71	< 10	< 10	< 10	< 10	27	32	< 10	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 2.4 WAC Results

Parameter	Unit	TP03	TP04	TP05	TP05	TP06	TP07	TP08	TP09	TP09	TP11	Inert Landfill	Inert Landfill Increased Limits	Non-Hazardous Landfill	Hazardous Landfill
Depth	**m**	**1.50**	**0.80**	**0.40**	**1.70**	**0.50**	**1.30**	**0.60**	**0.40**	**1.60**	**0.80**				
Antimony	mg/kg	0.016	< 0.0050	0.0060	< 0.0050	0.017	0.012	< 0.0050	0.039	0.022	0.030	0.06	0.18	0.7	5
Arsenic	mg/kg	0.022	0.12	0.0091	0.0030	0.10	0.030	0.012	0.11	0.060	0.026	0.5	1.5	2	25
Barium	mg/kg	0.11	< 0.050	0.28	0.068	0.15	0.12	< 0.050	0.066	0.12	0.17	20	20	100	300
Cadmium	mg/kg	0.0023	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0022	0.0021	< 0.0011	0.04	0.04	1	5
Chromium	mg/kg	0.015	< 0.0050	< 0.0050	< 0.0050	0.031	0.015	0.019	0.016	0.032	< 0.0050	0.5	0.5	10	70
Copper	mg/kg	0.049	0.015	0.013	0.0055	0.047	0.028	0.022	0.073	0.13	0.042	2	2	50	100
Lead	mg/kg	0.028	0.0061	< 0.0050	< 0.0050	0.0052	0.013	0.016	0.035	0.067	0.0081	0.5	0.5	10	50
Molybdenum	mg/kg	0.050	0.0038	0.044	0.093	0.023	0.079	0.0079	0.050	0.10	0.072	0.5	1.5	10	30
Nickel	mg/kg	0.048	< 0.0050	< 0.0050	0.0063	0.0092	0.023	0.020	0.053	0.13	0.022	0.4	0.4	10	40
Selenium	mg/kg	0.0065	< 0.0050	0.010	< 0.0050	0.018	0.018	< 0.0050	0.035	0.017	0.015	0.1	0.3	0.5	7
Zinc	mg/kg	0.16	0.092	0.054	0.033	0.066	0.072	0.13	0.097	0.36	0.058	4	4	50	200
Mercury	mg/kg	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 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	1	1	NE	NE
Fluoride	mg/kg	3.4	< 1.0	2.2	2.1	1.4	4.4	2.7	1.9	3.0	2.6	10	10	150	500
Chloride	mg/kg	45	18	200	< 10	< 10	22	< 10	170	340	43	800	2,400	15,000	25,000
Sulphate	mg/kg	150	< 10	1100	41	90	290	15	530	160	300	1000*	3,000	20000*	50,000
DOC **	mg/kg	< 50	< 50	< 50	51	< 50	72	< 50	63	59	80	500	500	800	1,000
pH	pH units	8.2	8.7	8.2	8.3	9.4	9.5	9.0	9.4	9.0	8.2	NE	NE	NE	NE
TDS ***	mg/kg	850	570	2300	61	630	990	490	1800	1600	1400	4,000	12,000	60,000	100,000
TOC	%	0.42	2	4.3	2.3	6	2.1	6	6.8	1.3	4.5	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	< 1.0	160	4.8	< 1.0	< 1.0	23	< 1.0	< 1.0	< 1.0	< 1.0	NE	100	NE	NE
Mineral Oil	mg/kg	54	160	140	50	47	75	51	130	50	59	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

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 2.5 and 2.6. 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 2.5 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 BH06 (0.50m), TP03 (1.50m) and TP07 (1.30m) which meet the inert WAC, do not meet the soil recovery criteria for Total PAH's and/or Mineral Oil. These samples have 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 2.6.

Table 2.6 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 BH07 (2.00m) and TP01 (0.50m), which meet the inert WAC, do not meet the soil recovery criteria for metal concentrations. Both samples exceed the 1.5 times trigger level for lead.

Waste management options are summarised on Table 2.7. 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 recovery/disposal to inert landfill. Class B-2 wastes are suitable for recovery/disposal to inert landfill with increased limits. Class C wastes are suitable for disposal to Non-Hazardous Landfill.

Table 2.7 Waste Management Options

Sample No.	Depth	Classification	LoW Code	Category
BH01	1.00	Non-Hazardous	17 05 04	A
BH02	1.00	Non-Hazardous	17 05 04	A
BH03	0.50	Non-Hazardous	17 05 04	B-2
BH04	0.50	Non-Hazardous	17 05 04	B-2
BH05	1.00	Non-Hazardous	17 05 04	A
BH06	0.50	Non-Hazardous	17 05 04	B-1
BH07	0.50	Non-Hazardous	17 05 04	B-2
BH07	2.00	Non-Hazardous	17 05 04	B-1
BH08	0.50	Non-Hazardous	17 05 04	B-2
BH09	1.00	Non-Hazardous	17 05 04	A
BH10	1.00	Non-Hazardous	17 05 04	A
BH11	0.50	Non-Hazardous	17 05 04	A
BH12	1.00	Non-Hazardous	17 05 04	A
BH13	0.50	Non-Hazardous	17 05 04	B-2
BH14	1.00	Non-Hazardous	17 05 04	A
BH16	0.50	Non-Hazardous	17 05 04	B-2
BH18	1.00	Non-Hazardous	17 05 04	B-2
BH19	1.00	Non-Hazardous	17 05 04	A
TP01	0.50	Non-Hazardous	17 05 04	B-1
TP02	0.50	Non-Hazardous	17 05 04	B-2
TP03	0.70	Non-Hazardous	17 05 04	B-2
TP03	1.50	Non-Hazardous	17 05 04	B-1
TP04	0.80	Non-Hazardous	17 05 04	C
TP05	0.40	Non-Hazardous	17 05 04	B-2
TP05	1.70	Non-Hazardous	17 05 04	A
TP06	0.50	Non-Hazardous	17 05 04	B-2
TP07	1.30	Non-Hazardous	17 05 04	B-1
TP08	0.60	Non-Hazardous	17 05 04	B-2
TP09	0.40	Non-Hazardous	17 05 04	C
TP09	1.60	Non-Hazardous	17 05 04	A
TP11	0.80	Non-Hazardous	17 05 04	B-2

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

3 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

3.1.1 *Waste Classification*

Asbestos was not detected in any of the samples tested.

All 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*).

If the soils have to be removed from the site the recovery/disposal options are outlined in Section 2.4.

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 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP01**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,038.64 E 738,885.28 N
		DATE STARTED	08/11/2023
		DATE COMPLETED	08/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	48.35
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE									
		0.20	48.15						
MADE GROUND comprising grey to brownish grey clayey angular gravel, cobbles, old concrete slab - Possible slight HC contamination					AA196364	B	0.50		
		0.90	47.45						
1.0 Firm greyish brown slightly sandy slightly gravelly SILT/CLAY with rare organic remnants. Sand is fine to to medium. Gravel is fine subangular to subrounded.					AA196365	B	1.10		
		1.30	47.05						
Firm to stiff brown/grey mottled slightly sandy gravelly CLAY with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded of limestone.					AA196366	B	2.00		
		2.50	45.85						
Very stiff dark grey slightly sandy gravelly CLAY with a high cobble and low boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 300mm).					AA196367	B	2.90		
3.0 End of Trial Pit at 3.00m		3.00	45.35						

Groundwater Conditions
Dry

Stability
Good

General Remarks
Soakaway test SA01 carried out at TP01

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP02**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,064.44 E 738,872.77 N
		DATE STARTED	08/11/2023
		DATE COMPLETED	08/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	48.18
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 TARMACADAM		0.08	48.10						
MADE GROUND comprising grey to brownish grey clayey angular gravel, cobbles					AA196368	B	0.50		
Firm grey/brown mottled slightly sandy SILT/CLAY with organic remnants. Sand is fine to to medium.		0.60	47.58		AA196369	B	0.80		
Firm to stiff brown sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded of limestone.		0.90	47.28						
1.0									
1.70m - 60mm diameter clay land drain					AA196370	B	1.70		
2.0									
Very stiff dark grey slightly sandy gravelly CLAY with a high cobble and medium boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 350mm).		2.50	45.68	(Seepage)	AA196371	B	2.70		
3.0 End of Trial Pit at 3.00m		3.00	45.18						

Groundwater Conditions
Seepage at 2.50m

Stability
Pit slightly unstable

General Remarks

IGSL TP LOG 25000 - SITE2.GPJ IGSL.GDT 22/2/24

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP03**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,069.96 E 738,899.83 N
		DATE STARTED	08/11/2023
		DATE COMPLETED	08/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	48.14
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE									
		0.20	47.94						
MADE GROUND comprising brown/grey mottled slightly clayey angular gravel and cobbles					AA196372	B	0.70		
		0.80	47.34						
MADE GROUND comprising brown rounded sandy gravel, concrete rubble/old slab									
1.0									
		1.30	46.84	1 (Seepage)					
Firm brown/grey mottled slightly sandy gravelly CLAY with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.					AA196373	B	1.50		
				2 (Slow)					
2.0									
					AA196374	B	2.40		
Stiff dark grey slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded of limestone.		2.60	45.54						
		3.00	45.14						
3.0 End of Trial Pit at 3.00m									

Groundwater Conditions
Seepage at 1.30m; Slow water flow at 1.90m

Stability
Pit unstable from 1.90m to 2.6m

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP04**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,096.23 E 738,880.63 N
		DATE STARTED	08/11/2023
		DATE COMPLETED	08/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	47.99
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE									
		0.20	47.79						
MADE GROUND comprising brown/grey/black sandy gravelly Clay, angular gravel, cobbles, concrete rubble, timber pieces, old tarmac) - Possible slight HC contamination					AA196375	B	0.80		
1.0 Firm grey slightly sandy SILT/CLAY with occasional shells		1.00	46.99						
					AA196376	B	1.60		
		1.90	46.09	1 (Seepage)					
2.0 Soft to firm brown/grey mottled slightly sandy gravelly CLAY with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular. Cobbles are subangular to subrounded.									
				2 (Moderate)	AA196377	B	2.60		
3.0 Stiff dark grey slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded of limestone.		3.00	44.99						
		3.30	44.69						
End of Trial Pit at 3.30m									

Groundwater Conditions
Seepage at 1.90m; Moderate water flow at 2.70m

Stability
Pit unstable from 1.90m to 3.0m

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP05**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,117.97 E 738,847.77 N
		DATE STARTED	08/11/2023
		DATE COMPLETED	08/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	47.97
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 TARMADACAM		0.08	47.89						
MADE GROUND comprising grey/black clayey angular gravel and cobbles									
Firm to stiff yellowish brown/grey mottled slightly sandy slightly gravelly SILT/CLAY with occasional organic remnants. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded.		0.45	47.52		AA196378	B	0.40		
					AA196379	B	0.90		
1.0 Firm to stiff greyish brown slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.		1.00	46.97						
				1 (Slow)	AA196380	B	1.70		
2.0 Stiff to very stiff dark grey slightly sandy very gravelly CLAY with a high cobble and low boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 300mm).		2.20	45.77						
					AA196381	B	2.60		
3.0 End of Trial Pit at 3.00m		3.00	44.97						

Groundwater Conditions
Slow water flow at 1.80m

Stability
Good

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP06**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,128.36 E 738,868.65 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	48.09
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE		0.25	47.84						
MADE GROUND comprising dark grey/black/grey clayey angular gravel and cobbles, sandy gravelly clay				1 (Seepage)	AA204940	B	0.50		
Firm grey slightly sandy SILT/CLAY with rootlets. Sand is fine to medium.		0.70	47.39		AA204941	B	1.00		
1.0 Firm greyish brown sandy gravelly CLAY with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.		1.30	46.79		AA204942	B	1.80		
2.0 Stiff dark grey slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded of limestone.		2.50	45.59		AA204943	B	2.80		
3.0 End of Trial Pit at 3.00m		3.00	45.09						

Groundwater Conditions
Seepage at 0.70m

Stability
Pit unstable to 2.50m

General Remarks
Soakaway test SA06 carried out at TP06

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP07**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,140.67 E 738,902.35 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	48.14
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE		0.25	47.89						
MADE GROUND comprising dark grey angular gravel and cobbles		0.65	47.49		AA196396	B	0.50		
MADE GROUND comprising brown/grey/black sandy gravelly Clay, old concrete slab and rubble, old tarmac, cobbles, boulders, rare plastic rubbish					AA196397	B	1.30		
1.0 Firm to stiff greyish brown slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.		1.50	46.64	1 (Moderate)					
2.0					AA196398	B	2.00		
Stiff to very stiff dark brownish grey slightly sandy very gravelly CLAY with a high cobble and low boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 350mm).		2.40	45.74						
End of Trial Pit at 2.70m		2.70	45.44		AA196399	B	2.60		
3.0									

Groundwater Conditions
Moderate water flow at 1.50m

Stability
Pit unstable to 1.50m

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP08**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,165.78 E 738,902.93 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	47.96
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

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	47.81						
MADE GROUND comprising dark grey/grey/brown mottled sandy gravel, sandy gravelly clay, cobbles and rare plastic rubbish.					AA196392	B	0.60		
Firm to stiff slightly sandy SILT/CLAY with some organic remnants		0.85	47.11						
1.0					AA196393	B	1.00		
Firm to stiff greyish brown sandy very gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.		1.15	46.81						
2.0					AA196394	B	1.80		
Stiff to very stiff grey slightly sandy gravelly CLAY with a high cobble and medium boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 300mm).		2.50	45.46						
					AA196395	B	2.80		
3.0 End of Trial Pit at 3.00m		3.00	44.96						

Groundwater Conditions
Dry

Stability
Good

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP09**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,259.22 E 738,959.44 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	46.70
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

Geotechnical Description	Legend	Depth (m)	Elevation	Water Strike	Samples: Sample Ref	Samples: Type	Samples: Depth	Vane Test (KPa)	Hand Penetrometer (KPa)
0.0 CONCRETE		0.25	46.45						
MADE GROUND comprising dark grey/grey slightly clayey sandy rounded Gravel - Possible HC contamination		0.50	46.20		AA196388	B	0.40		
Firm grey slightly sandy SILT/CLAY with some organic remnants					AA196389	B	0.90		
1.0 Firm brownish grey sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded. Possible HC contamination		1.10	45.60	1 (Seepage)					
					AA196390	B	1.60		
Stiff to very stiff dark grey slightly sandy gravelly CLAY with a high cobble and medium boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 400m).		1.85	44.85	2 (Slow)					
2.0					AA196391	B	2.30		
Pit terminated due to boulder obstructions End of Trial Pit at 2.40m		2.40	44.30						
3.0									

Groundwater Conditions
Seepage at 1.10m; Slow water flow at 1.80m

Stability
Pit slightly unstable from 1.10m to 1.80m

General Remarks

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP10**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,274.89 E 738,943.47 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	46.84
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

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 clayey rounded sandy Gravel		0.22	46.62						
		0.45	46.39						
Firm to stiff greyish brown slightly sandy gravelly CLAY with a high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles are subangular to subrounded.				1 (Seepage)	AA196382	B	0.70		
1.0 1.40m - Occasional lenses of silty Sand					AA196383	B	1.60		
2.0 Stiff to very stiff dark grey slightly sandy gravelly CLAY with a high cobble and boulder content. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded. Cobbles and boulders are subangular to subrounded of limestone (up to 300mm).		1.95	44.89						
					AA196384	B	2.40		
Pit terminated due to boulder obstructions End of Trial Pit at 2.50m		2.50	44.34						
3.0									

Groundwater Conditions
Seepage at 0.70m

Stability
Good

General Remarks
Soakaway test SA10 carried out at TP10

TRIAL PIT RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**TRIAL PIT NO.**	**TP11**
		SHEET	Sheet 1 of 1
LOGGED BY	IR	**CO-ORDINATES**	716,323.25 E 738,979.93 N
		DATE STARTED	09/11/2023
		DATE COMPLETED	09/11/2023
CLIENT	NDFA	**GROUND LEVEL (m)**	46.41
ENGINEER	MORCE	**EXCAVATION METHOD**	JCB

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 grey/dark grey sandy slightly gravelly Silt/Clay with organic remnants and boulders		0.25	46.16		AA196395	B	0.40		
					AA196386	B	0.80		
Soft to firm brown/grey mottled slightly sandy slightly gravelly SILT/CLAY with a medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subrounded to subangular. Cobbles are subangular to subrounded.		0.90	45.51						
1.0									
1.45m - Lense of rounded coarse gravel - Possible track of existing culvert				1 (Rapid)	AA196387	B	1.50		
Pit terminated due to rapid water ingress End of Trial Pit at 1.70m		1.70	44.71						
2.0									
3.0									

Groundwater Conditions
Rapid water flow at 1.45m

Stability
Pit slightly unstable from 1.5m

General Remarks
Pit terminated at 1.70m due to rapid water ingress through gravel surround / trenchfill of adjacent culvert

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. BH01
SHEET Sheet 1 of 1

CO-ORDINATES 716,002.22 E, 738,902.17 N
GROUND LEVEL (mOD) 48.20

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.30

DATE COMMENCED 17/11/2023
DATE COMPLETED 20/11/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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		48.00	0.20						
	Black/grey sandy slightly gravelly SILT/CLAY		47.50	0.70	AA119034	B	0.50			
1	Soft grey sandy gravelly SILT/CLAY		46.90	1.30	AA119035	B	1.00		N = 8 (1, 1, 1, 2, 2, 3)	
2	Stiff grey/brown sandy gravelly SILT/CLAY		46.00	2.20	AA119036	B	2.00		N = 27 (1, 2, 4, 5, 7, 11)	
	Stiff to very stiff grey sandy gravelly SILT/CLAY with occasional cobbles		45.40	2.80						
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA119037	B	3.00		N = 50/225 mm (8, 14, 14, 14, 22)	
4					AA119038	B	4.00		N = 50/225 mm (10, 11, 14, 15, 21)	
5					AA119039	B	5.00		N = 50/225 mm (12, 10, 14, 16, 20)	
6					AA119040	B	6.00		N = 50/150 mm (13, 12, 22, 28)	
	Obstruction End of Borehole at 6.30 m		41.90	6.30						
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.50	6.30	1	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. **BH02**
SHEET Sheet 1 of 1

CO-ORDINATES 716,048.23 E, 738,874.53 N
GROUND LEVEL (mOD) 48.32

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

DATE COMMENCED 20/11/2023
DATE COMPLETED 21/11/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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	TARMACADAM		48.12	0.20						
	Grey sandy slightly gravelly SILT/CLAY		47.62	0.70	AA119041	B	0.50			
1	Soft grey/brown sandy gravelly SILT/CLAY		46.92	1.40	AA119042	B	1.00		N = 9 (0, 1, 1, 2, 3, 3)	
2	Firm mottled grey sandy gravelly SILT/CLAY with occasional cobbles		45.52	2.80	AA119043	B	2.00		N = 13 (2, 2, 2, 4, 4, 3)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA119044	B	3.00		N = 50 (8, 13, 14, 14, 14, 8)	
4					AA119045	B	4.00		N = 50/75 mm (17, 8, 50)	
5					AA119046	B	5.00		N = 50/75 mm (11, 14, 50)	
6			42.12	6.20	AA119047	B	6.00		N = 50/75 mm (12, 13, 50)	
	Obstruction End of Borehole at 6.20 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.20	6.20	1	
6.00	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
21-11-23	6.20	Nil	5.40	End of BH

REMARKS CAT scanned location with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH03**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,057.27 E 738,889.96 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	48.28	**BOREHOLE DEPTH (m)**	6.30
		DATE COMMENCED	22/11/2023
		DATE COMPLETED	23/11/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		47.98	0.30						
	Soft grey sandy gravelly SILT/CLAY with some cobbles (Possible Made Ground)		47.28	1.00	AA204208	B	0.50			
1	Soft to firm light grey sandy slightly gravelly SILT/CLAY		46.28	2.00	AA204209	B	1.00		N = 7 (0, 1, 1, 2, 2, 2)	
2	Stiff grey/brown sandy gravelly SILT/CLAY with occasional cobbles		45.48	2.80	AA204210	B	2.00		N = 17 (2, 2, 4, 4, 5, 4)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204211	B	3.00		N = 40 (6, 8, 8, 10, 10, 12)	
4					AA204212	B	4.00		N = 35/225 mm (8, 12, 14, 15, 6)	
5					AA204213	B	5.00		N = 50/225 mm (10, 13, 18, 18, 14)	
6			41.98	6.30	AA204214	B	6.00		N = 50/150 mm (12, 13, 23, 27)	
	Obstruction End of Borehole at 6.30 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.60	6.80	1	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH04**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,062.06 E 738,904.87 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	48.21	**BOREHOLE DEPTH (m)**	6.30
		DATE COMMENCED	23/11/2023
		DATE COMPLETED	24/11/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		47.91	0.30						
	Soft grey/black sandy gravelly SILT/CLAY with occasional cobbles (Possible Made Ground)		47.21	1.00	AA204215	B	0.50			
1	Soft grey/brown sandy slightly gravelly SILT/CLAY		46.71	1.50	AA204216	B	1.00		N = 7 (0, 1, 1, 2, 2, 2)	
2	Firm mottled light grey sandy gravelly SILT/CLAY with occasional cobbles		45.71	2.50	AA204217	B	2.00		N = 18 (2, 3, 4, 4, 5, 5)	
	Firm to stiff grey sandy gravelly SILT/CLAY with occasional cobbles		45.41	2.80						
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204218	B	3.00		N = 50/225 mm (8, 15, 16, 16, 18)	
4					AA204219	B	4.00		N = 50/75 mm (18, 7, 50)	
5					AA204220	B	5.00		N = 50/225 mm (16, 9, 18, 18, 14)	
6					AA204221	B	6.00		N = 50/150 mm (13, 12, 23, 27)	
			41.91	6.30						
7	Obstruction End of Borehole at 6.30 m									
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.90	6.10	1.25	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH05**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,068.51 E 738,862.78 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	48.08	**BOREHOLE DEPTH (m)**	6.20
		DATE COMMENCED	21/11/2023
		DATE COMPLETED	22/11/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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	TARMACADAM		47.98	0.10						
	Grey sandy slightly gravelly SILT/CLAY		47.38	0.70	AA204201	B	0.50			
1	Soft mottled grey/brown sandy gravelly SILT/CLAY with occasional cobbles		46.28	1.80	AA204202	B	1.00		N = 6 (0, 1, 1, 1, 2, 2)	
2	Stiff grey/black sandy gravelly SILT/CLAY with some cobbles		45.58	2.50	AA204203	B	2.00		N = 28 (1, 2, 5, 5, 8, 10)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204204	B	3.00		N = 50/225 mm (8, 14, 16, 16, 18)	
4					AA204205	B	4.00		N = 50/75 mm (16, 9, 50)	
5					AA204206	B	5.00		N = 50/150 mm (17, 8, 35, 15)	
6			41.88	6.20	AA204207	B	6.00		N = 50/75 mm (19, 6, 50)	
	Obstruction End of Borehole at 6.20 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.10	6.20	1	
6.00	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH06**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,084.35 E 738,875.35 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	48.11	**BOREHOLE DEPTH (m)**	6.30
		DATE COMMENCED	24/11/2023
		DATE COMPLETED	27/11/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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	TARMACADAM		47.91	0.20						
	Grey sandy slightly gravelly SILT/CLAY		47.11	1.00	AA204222	B	0.50			
1	Soft mottled light grey sandy gravelly SILT/CLAY with occasional cobbles		46.51	1.60	AA204223	B	1.00		N = 8 (0, 1, 2, 1, 2, 3)	
2	Stiff mottled grey/brown sandy gravelly SILT/CLAY with some cobbles		45.61	2.50	AA204224	B	2.00		N = 25 (2, 4, 5, 5, 6, 9)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204225	B	3.00		N = 36 (5, 6, 7, 9, 9, 11)	
4					AA204226	B	4.00		N = 50 (7, 8, 9, 11, 16, 14)	
5					AA204227	B	5.00		N = 50/225 mm (9, 16, 18, 18, 14)	
6			41.81	6.30	AA204228	B	6.00		N = 50/150 mm (6, 19, 27, 23)	
	Obstruction End of Borehole at 6.30 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.70	6.10	1.25	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH07**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,114.93 E 738,910.14 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	48.09	**BOREHOLE DEPTH (m)**	6.20
		DATE COMMENCED	05/12/2023
		DATE COMPLETED	05/12/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		47.89	0.20						
	Grey sandy GRAVEL with some cobbles (Possible Made Ground)		47.19	0.90	AA209208	B	0.50			
1	Soft grey/black sandy slightly gravelly SILT/CLAY		46.49	1.60	AA209209	B	1.00		N = 10 (0, 1, 2, 2, 4, 2)	
2	Firm grey/brown sandy gravelly SILT/CLAY with occasional cobbles		45.49	2.60	AA209210	B	2.00		N = 20 (4, 5, 4, 5, 5, 6)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA209211	B	3.00		N = 50 (8, 14, 14, 14, 15, 7)	
4					AA209212	B	4.00		N = 50/75 mm (15, 9, 50)	
5					AA209213	B	5.00		N = 50/150 mm (20, 5, 30, 20)	
6			41.89	6.20	AA209214	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
3.90	6.20	1	
6.00	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. BH08
SHEET Sheet 1 of 1

CO-ORDINATES 716,116.25 E, 738,898.74 N
GROUND LEVEL (mOD) 48.00

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.30

DATE COMMENCED 30/11/2023
DATE COMPLETED 04/12/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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		47.80	0.20						
	MADE GROUND comprising grey sandy gravelly Fill with pieces of tarmacadam		47.10	0.90	AA209201	B	0.50			
1	Soft mottled brown sandy slightly gravelly SILT/CLAY		46.60	1.40	AA209202	B	1.00		N = 6 (0, 2, 1, 2, 1, 2)	
2	Firm becoming firm to stiff grey sandy gravelly SILT/CLAY with occasional cobbles		45.40	2.60	AA209203	B	2.00		N = 18 (2, 3, 4, 4, 5, 5)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA209204	B	3.00		N = 40 (5, 8, 9, 9, 10, 12)	
4					AA209205	B	4.00		N = 50/225 mm (8, 14, 16, 16, 18)	
5					AA209206	B	5.00		N = 50/75 mm (17, 8, 50)	
6			41.70	6.30	AA209207	B	6.00		N = 50/150 mm (9, 16, 30, 20)	
	Obstruction End of Borehole at 6.30 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.80	6.00	1	
6.10	6.30	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
6.30	6.30	No	No	20	Seepage

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 with 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

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. BH09
SHEET Sheet 1 of 1

CO-ORDINATES 716,105.93 E, 738,868.09 N
GROUND LEVEL (mOD) 48.00

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

DATE COMMENCED 27/11/2023
DATE COMPLETED 28/11/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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	TARMACADAM		47.90	0.10						
	MADE GROUND comprising Cl.804-type stone Fill		47.70	0.30						
	Soft brown sandy slightly gravelly SILT/CLAY				AA204229	B	0.50			
1			46.80	1.20	AA204230	B	1.00		N = 8 (0, 1, 1, 2, 2, 3)	
	Soft becoming firm to stiff grey/brown sandy gravelly SILT/CLAY with occasional boulders									
2					AA204231	B	2.00		N = 19 (1, 2, 3, 4, 6, 6)	
			45.50	2.50	AA204232	B	2.50			
	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders									
3					AA204233	B	3.00		N = 50/225 mm (8, 12, 17, 17, 16)	
4					AA204234	B	4.00		N = 50/75 mm (25, 33, 50)	
5					AA204235	B	5.00		N = 12/75 mm (25, 38, 12)	
6			41.80	6.20	AA204236	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
6.00	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. **BH10**
SHEET Sheet 1 of 1

CO-ORDINATES 716,107.34 E, 738,843.96 N
GROUND LEVEL (mOD) 48.06
RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.30
DATE COMMENCED 28/11/2023
DATE COMPLETED 29/11/2023

CLIENT NDFA
ENGINEER MORCE
SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07
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		47.86	0.20						
	Grey sandy slightly gravelly SILT/CLAY		47.56	0.50						
1	Soft to firm grey sandy gravelly SILT/CLAY with occasional cobbles		46.56	1.50	AA204237	B	0.50			
					AA204238	B	1.00		N = 10 (1, 2, 2, 3, 2, 3)	
2	Very stiff grey/brown sandy gravely SILT/CLAY with some cobbles		45.86	2.20	AA204239	B	2.00		N = 50 (5, 10, 12, 13, 13, 12)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204240	B	3.00		N = 50/75 mm (8, 14, 50)	
4					AA204241	B	4.00		N = 50/150 mm (13, 12, 30, 20)	
5					AA204242	B	5.00		N = 50/75 mm (15, 10, 50)	
6			41.76	6.30	AA204243	B	6.00		N = 50/150 mm (14, 11, 22, 28)	
7	Obstruction End of Borehole at 6.30 m									
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.30	6.30	1.25	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH11**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,128.23 E 738,857.88 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	47.95	**BOREHOLE DEPTH (m)**	5.20
		DATE COMMENCED	29/11/2023
		DATE COMPLETED	30/11/2023
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		47.75	0.20						
	MADE GROUND comprising grey sandy gravelly Fill with large cobbles		47.55	0.40	AA204244	B	0.50			
	Grey sandy slightly gravelly SILT/CLAY		47.05	0.90						
1	Soft mottled grey sandy gravelly SILT/CLAY		46.35	1.60	AA204245	B	1.00		N = 7 (0, 1, 1, 2, 2, 2)	
2	Stiff brown sandy gravely SILT/CLAY with some cobbles		45.75	2.20	AA204246	B	2.00		N = 27 (1, 2, 3, 5, 7, 12)	
3	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA204247	B	3.00		N = 50/225 mm (10, 14, 16, 16, 18)	
4					AA204248	B	4.00		N = 50/75 mm (15, 10, 50)	
5			42.75	5.20	AA204249	B	5.00		N = 50/75 mm (25, 50)	
	Obstruction End of Borehole at 5.20 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.80	5.00	1	
5.00	5.20	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. BH12
SHEET Sheet 1 of 1

CO-ORDINATES 716,156.14 E, 738,886.34 N
GROUND LEVEL (mOD) 48.01

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.30

DATE COMMENCED 07/12/2023
DATE COMPLETED 07/12/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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		47.81	0.20						
	Grey sandy slightly gravelly SILT/CLAY		47.61	0.40						
	Firm to stiff mottled grey sandy gravelly SILT/CLAY with occasional cobbles				AA209222	B	0.50			
1					AA209223	B	1.00		N = 11 (0, 1, 2, 2, 2, 5)	
			46.11	1.90						
2	Stiff grey/brown mottled sandy gravelly SILT/CLAY with some cobbles				AA209224	B	2.00		N = 21 (1, 2, 4, 5, 5, 7)	
			45.41	2.60						
	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders				AA209225	B	3.00		N = 50/225 mm (9, 16, 17, 17, 16)	
4					AA209226	B	4.00		N = 50/75 mm (8, 17, 50)	
5					AA209227	B	5.00		N = 50/75 mm (12, 13, 50)	
6					AA209228	B	6.00		N = 50/150 mm (13, 12, 26, 24)	
			41.71	6.30						
	Obstruction End of Borehole at 6.30 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
5.50	6.30	1	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue

BOREHOLE NO. BH13
SHEET Sheet 1 of 1

CO-ORDINATES 716,163.41 E, 738,912.39 N
GROUND LEVEL (mOD) 48.04

RIG TYPE Dando 2000
BOREHOLE DIAMETER (mm) 200
BOREHOLE DEPTH (m) 6.30

DATE COMMENCED 06/12/2023
DATE COMPLETED 06/12/2023

CLIENT NDFA
ENGINEER MORCE

SPT HAMMER REF. NO. SA7
ENERGY RATIO (%) 74.07

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		47.84	0.20						
	MADE GROUND comprising grey sandy gravelly Fill		47.64	0.40						
	Firm grey sandy SILT/CLAY with occasional cobbles				AA209215	B	0.50			
1					AA209216	B	1.00		N = 18 (0, 2, 3, 5, 5, 5)	
	Firm mottled brown sandy gravelly SILT/CLAY with occasional cobbles		46.84	1.20						
			46.44	1.60						
	Stiff mottled grey/brown sandy gravelly SILT/CLAY with cobbles									
2					AA209217	B	2.00		N = 20 (1, 2, 5, 4, 5, 6)	
			45.34	2.70						
	Very stiff black sandy gravelly silty CLAY with some cobbles and occasional boulders									
3					AA209218	B	3.00		N = 50 (7, 13, 13, 13, 17, 7)	
4					AA209219	B	4.00		N = 50/225 mm (10, 12, 15, 15, 20)	
5					AA209220	B	5.00		N = 50/225 mm (12, 13, 16, 16, 18)	
6					AA209221	B	6.00		N = 50/150 mm (13, 12, 28, 22)	
	Obstruction		41.74	6.30						
	End of Borehole at 6.30 m									
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
5.10	6.30	1	
6.10	6.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH14**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,195.87 E 738,919.36 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	47.40	**BOREHOLE DEPTH (m)**	4.50
		DATE COMMENCED	08/01/2024
		DATE COMPLETED	09/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		47.20	0.20	AA209229	B	0.00			
	MADE GROUND comprising grey/brown sandy slightly gravelly SILT/CLAY									
1			46.20	1.20	AA209230	B	1.00		N = 9 (1, 2, 2, 2, 2, 3)	
	Firm mottled grey sandy gravelly SILT/CLAY									
2			45.30	2.10	AA209231	B	2.00		N = 22 (2, 3, 4, 4, 5, 9)	
	Stiff to very stiff black sandy gravelly CLAY with some cobbles and occasional boulders									
3					AA209232	B	3.00		N = 41 (6, 7, 7, 9, 12, 13)	
4					AA209233	B	4.00		N = 50/150 mm (15, 10, 33, 17) N = 50/75 mm (25, 50)	
			43.10	4.30						
	Obstruction End of Borehole at 4.50 m									
5										
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.30	3.50	1	
3.70	3.90	0.75	
4.10	4.30	1.5	

WATER STRIKE DETAILS

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
2.80	2.80	3.10	1.40	20	Moderate

GROUNDWATER PROGRESS

Date	Hole Depth	Casing Depth	Depth to Water	Comments
08-01-24	3.00	3.00	1.40	End of 1st Day
09-01-24	4.30	Nil	1.10	End of BH

INSTALLATION DETAILS

Date	Tip Depth	RZ Top	RZ Base	Type

REMARKS CAT scanned location with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH15**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,247.68 E 738,946.31 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	46.95	**BOREHOLE DEPTH (m)**	5.30
		DATE COMMENCED	12/01/2024
		DATE COMPLETED	12/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		46.75	0.20						
	MADE GROUND comprising grey sandy slightly gravelly SILT/CLAY		46.05	0.90	AA209234	B	0.50			
1	Soft grey/brown sandy slightly gravelly SILT/CLAY		45.35	1.60	AA210263	B	1.00		N = 6 (0, 1, 1, 1, 2, 2)	
2	Stiff mottled brown sandy silty gravelly CLAY with occasional cobbles		44.65	2.30	AA210264	B	2.00		N = 23 (2, 2, 3, 5, 5, 10)	
3	Very stiff black sandy silty gravelly CLAY with some cobbles and occasional boulders				AA210265	B	3.00		N = 47 (15, 10, 10, 14, 11, 12)	
4					AA210266	B	4.00		N = 40 (7, 7, 9, 10, 10, 11)	
5			41.65	5.30	AA210267	B	5.00		N = 43 (9, 9, 9, 10, 14, 10) N = 50/75 mm (25, 50)	
	Obstruction End of Borehole at 5.30 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.00	4.20	1	
4.50	4.70	1	
5.20	5.30	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH16**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,267.60 E 738,940.16 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	46.87	**BOREHOLE DEPTH (m)**	4.70
		DATE COMMENCED	11/01/2024
		DATE COMPLETED	11/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		46.67	0.20						
	MADE GROUND comprising grey sandy slightly gravelly SILT/CLAY		45.97	0.90	AA210257	B	0.50			
1	Soft to firm grey/brown sandy gravelly SILT/CLAY		45.17	1.70	AA210258	B	1.00		N = 10 (0, 1, 2, 2, 2, 4)	
2	Stiff mottled dark brown sandy silty gravelly CLAY with occasional cobbles		44.57	2.30	AA210259	B	2.00		N = 28 (2, 3, 5, 5, 8, 10)	
3	Very stiff black sandy gravelly CLAY with some cobbles				AA210260	B	3.00		N = 36 (9, 6, 8, 9, 10, 9)	
4					AA210261	B	4.00		N = 31 (8, 7, 8, 8, 8, 7)	
			42.17	4.70	AA210262	B	4.50		N = 50/75 mm (25, 50)	
5	Obstruction End of Borehole at 4.70 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
4.00	4.20	1	
4.60	4.70	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

REMARKS CAT scanned location with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH17**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,278.87 E 738,935.25 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	46.97	**BOREHOLE DEPTH (m)**	5.30
		DATE COMMENCED	10/01/2024
		DATE COMPLETED	11/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		46.77	0.20						
	MADE GROUND comprising grey mottled sandy slightly SILT/CLAY. Gravel is fine.				AA210251	B	0.50			
1			45.87	1.10	AA210252	B	1.00		N = 8 (0, 2, 2, 1, 2, 3)	
	Soft grey/brown sandy slightly gravelly SILT/CLAY									
			45.17	1.80						
2	Stiff to very stiff black sandy gravelly CLAY with some cobbles				AA210253	B	2.00		N = 23 (2, 3, 3, 4, 5, 11)	
3					AA210254	B	3.00		N = 49 (15, 10, 10, 9, 15, 15)	
4					AA210255	B	4.00		N = 44 (11, 14, 9, 10, 11, 14)	
5			41.77	5.20	AA210256	B	5.00		N = 50/150 mm (17, 8, 22, 28)	
	Obstruction End of Borehole at 5.30 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.30	3.80	0.75	
4.20	4.60	1	
5.10	5.20	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH18**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,284.00 E 738,963.71 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	46.62	**BOREHOLE DEPTH (m)**	5.20
		DATE COMMENCED	10/01/2024
		DATE COMPLETED	10/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
		BORED BY	DT
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		46.42	0.20						
	MADE GROUND comprising mottled grey sandy slightly gravelly SILT/CLAY. Gravel is fine.		45.62	1.00	AA209240	B	0.50			
1	Soft grey sandy slightly gravelly SILT/CLAY		45.02	1.60	AA209241	B	1.00		N = 8 (0, 2, 2, 1, 2, 3)	
2	Stiff grey/brown sandy silty gravelly CLAY with occasional cobbles		44.22	2.40	AA209242	B	2.00		N = 22 (2, 3, 3, 4, 5, 10)	
3	Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders				AA209243	B	3.00		N = 44 (7, 7, 10, 6, 14, 14)	
4					AA209244	B	4.00		N = 39 (16, 9, 8, 9, 11, 11)	
5			41.42	5.20	AA209245	B	5.00		N = 50/150 mm (19, 6, 29, 21)	
	Obstruction End of Borehole at 5.20 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.50	5.20	1	
5.10	5.20	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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

GEOTECHNICAL BORING RECORD

REPORT NUMBER 25000-2

CONTRACT	NDFA Social Housing Bundles 4/5 - Lot 2 - Collins Avenue	**BOREHOLE NO.**	**BH19**
		SHEET	Sheet 1 of 1
CO-ORDINATES	716,311.88 E 738,970.66 N	**RIG TYPE**	Dando 2000
		BOREHOLE DIAMETER (mm)	200
GROUND LEVEL (mOD)	46.54	**BOREHOLE DEPTH (m)**	5.30
		DATE COMMENCED	09/01/2024
		DATE COMPLETED	09/01/2024
CLIENT	NDFA	**SPT HAMMER REF. NO.**	SA7
ENGINEER	MORCE	**ENERGY RATIO (%)**	74.07
		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		46.34	0.20						
	MADE GROUND comprising grey sandy slightly gravelly SILT/CLAY. Gravel is fine.				AA209234	B	0.50			
1					AA209235	B	1.00		N = 7 (0, 1, 1, 2, 2, 2)	
			44.94	1.60						
	Stiff brown sandy gravelly SILT/CLAY									
2					AA209236	B	2.00		N = 22 (2, 2, 3, 4, 4, 11)	
			44.24	2.30						
	Very stiff black sandy gravelly CLAY with occasional cobbles									
3					AA209237	B	3.00		N = 61 (7, 14, 11, 18, 18, 14)	
4					AA209238	B	4.00		N = 47 (17, 8, 11, 14, 9, 13)	
5					AA209239	B	5.00		N = 50/225 mm (15, 10, 17, 18, 15)	
			41.24	5.30						
	End of Borehole at 5.30 m									
6										
7										
8										
9										

HARD STRATA BORING/CHISELLING

From (m)	To (m)	Time (h)	Comments
3.60	5.80	0.75	
4.10	4.20	0.5	
5.20	5.30	4.5	

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 with 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 - SITE2.GPJ IGSL.GDT 22/2/24

Appendix 2

Laboratory Report

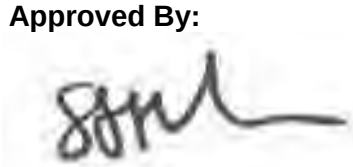
eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	24-00485-1
Initial Date of Issue:	18-Jan-2024
Re-Issue Details:	
Client	IGSL
Client Address:	M7 Business Park Naas County Kildare Ireland
Contact(s):	Darren Keogh
Project	25000-2 Site 2 NDFA Social Housing

Quotation No.:		**Date Received:**	09-Jan-2024
Order No.:		**Date Instructed:**	09-Jan-2024
No. of Samples:	45		
Turnaround (Wkdays):	8	**Results Due:**	18-Jan-2024
Date Approved:	18-Jan-2024		

Approved By:



Details:	Stuart Henderson, Technical Manager

Results - Leachate

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL						**Chemtest Job No.:**	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:						**Chemtest Sample ID.:**	1751932	1751934	1751936	1751938	1751940	1751941	1751943	1751945	1751946	1751948	1751950	1751952
Order No.:						Client Sample Ref.:	AA119035	AA119042	AA204208	AA204215	AA204202	AA204222	AA209208	AA209210	AA209201	AA204230	AA204238	AA204244
						Sample Location:	BH01	BH02	BH03	BH04	BH05	BH06	BH07	BH07	BH08	BH09	BH10	BH11
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	1.00	1.00	0.50	0.50	1.00	0.50	0.50	2.00	0.50	1.00	1.00	0.50
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**													
Ammonium	U	1220	10:1	mg/l	0.050		2.7	0.067	< 0.050	< 0.050	< 0.050	0.20	< 0.050	0.48	0.072	0.17	0.10	1.9
Ammonium	N	1220	10:1	mg/kg	0.10		29	0.84	0.65	0.51	1.1	15	0.67	12	1.3	2.4	1.2	22

Results - Leachate

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL						**Chemtest Job No.:**	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:						**Chemtest Sample ID.:**	1751953	1751955	1751957	1751959	1751960	1751961	1751963	1751965	1751967	1751968	1751969	1751971
Order No.:						Client Sample Ref.:	AA209223	AA209215	AA196364	AA196368	AA196372	AA196373	AA196375	AA196378	AA196380	AA204940	AA196397	AA196392
						Sample Location:	BH12	BH13	TP01	TP02	TP03	TP03	TP04	TP05	TP05	TP06	TP07	TP08
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	1.00	0.50	0.50	0.50	0.70	1.50	0.80	0.40	1.70	0.50	1.30	0.60
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**													
Ammonium	U	1220	10:1	mg/l	0.050		1.8	< 0.050	0.058	0.072	0.058	0.11	0.13	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ammonium	N	1220	10:1	mg/kg	0.10		21	1.5	0.67	0.76	0.63	1.2	1.5	0.84	0.74	0.86	1.3	0.37

Results - Leachate

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL						**Chemtest Job No.:**	24-00485	24-00485	24-00485
Quotation No.:						**Chemtest Sample ID.:**	1751972	1751974	1751975
Order No.:						Client Sample Ref.:	AA196388	AA196390	AA196386
						Sample Location:	TP09	TP09	TP11
						Sample Type:	SOIL	SOIL	SOIL
						Top Depth (m):	0.40	1.60	0.80
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**				
Ammonium	U	1220	10:1	mg/l	0.050		< 0.050	0.13	0.41
Ammonium	N	1220	10:1	mg/kg	0.10		0.47	1.8	4.4

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751932	1751933	1751934	1751935	1751936	1751937	1751938	1751939
Order No.:				Client Sample Ref.:		AA119035	AA119036	AA119042	AA119044	AA204208	AA204209	AA204215	AA204217
				Sample Location:		BH01	BH01	BH02	BH02	BH03	BH03	BH04	BH04
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	3.00	0.50	1.00	0.50	2.00
				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	26	12	12	10	7.4	17	7.5	18
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	Clay	Sand	Sand	Sand	Clay	Sand	Sand
pH at 20C		M	2010		4.0	[A] 7.7		[A] 8.6		[A] 10.0		[A] 10.2	
pH (2.5:1) at 20C		N	2010		4.0		[A] 8.9		[A] 9.0		[A] 8.5		[A] 8.4
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	[A] 1.0		[A] < 0.40		[A] < 0.40		[A] < 0.40	
Magnesium (Water Soluble)		N	2120	g/l	0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		[A] < 0.010		[A] < 0.010		[A] 0.058		[A] 0.15
Total Sulphur		U	2175	%	0.010		[A] 0.023		[A] 0.17		[A] 0.090		[A] 0.087
Sulphur (Elemental)		M	2180	mg/kg	1.0	[A] 64		[A] 1.8		[A] 4.2		[A] 1.0	
Chloride (Water Soluble)		M	2220	g/l	0.010		[A] 0.015		[A] 0.022		[A] 0.027		[A] 0.021
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	[A] < 0.50		[A] < 0.50		[A] < 0.50		[A] < 0.50	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	[A] 5.6		[A] 7.9		[A] 7.7		[A] 7.2	
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01		< 0.01		< 0.01
Sulphate (Total)		U	2430	%	0.010	[A] 0.14		[A] 0.068		[A] 0.45		[A] 0.42	
Sulphate (Acid Soluble)		U	2430	%	0.010		[A] 0.019		[A] 0.084		[A] 0.10		[A] 0.10
Arsenic		M	2455	mg/kg	0.5	8.7		9.8		12		34	
Barium		M	2455	mg/kg	0	120		88		160		560	
Cadmium		M	2455	mg/kg	0.10	1.4		2.3		0.95		1.9	
Chromium		M	2455	mg/kg	0.5	24		17		13		11	
Molybdenum		M	2455	mg/kg	0.5	2.7		3.6		1.7		1.1	
Antimony		N	2455	mg/kg	2.0	< 2.0		2.0		2.7		6.7	
Copper		M	2455	mg/kg	0.50	21		25		26		37	
Mercury		M	2455	mg/kg	0.05	0.09		0.05		0.05		0.10	
Nickel		M	2455	mg/kg	0.50	33		43		25		23	
Lead		M	2455	mg/kg	0.50	25		26		280		300	
Selenium		M	2455	mg/kg	0.25	1.3		0.97		1.4		0.89	
Zinc		M	2455	mg/kg	0.50	84		69		90		330	
Chromium (Trivalent)		N	2490	mg/kg	1.0	24		17		13		11	
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	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751932	1751933	1751934	1751935	1751936	1751937	1751938	1751939
Order No.:				Client Sample Ref.:		AA119035	AA119036	AA119042	AA119044	AA204208	AA204209	AA204215	AA204217
				Sample Location:		BH01	BH01	BH02	BH02	BH03	BH03	BH04	BH04
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	3.00	0.50	1.00	0.50	2.00
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25		[A] < 0.25	
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] < 2.0		[A] < 2.0		[A] < 2.0		[A] < 2.0	
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00	[A] < 1.0		[A] 1.2		[A] 1.3		[A] < 1.0	
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] 2.5		[A] 2.4		[A] < 2.0		[A] < 2.0	
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00	[A] 5.5		[A] 15		[A] 22		[A] 14	
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00	[A] < 10		[A] 11		[A] 12		[A] < 10	
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00	[A] 8.0		[A] 20		[A] 27		[A] 17	
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25		[A] < 0.25	
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 2.8		[A] 2.5		[A] < 2.0		[A] < 2.0	
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 15		[A] 11		[A] 8.7		[A] 7.1	
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00	[A] 4.7		[A] 15		[A] 6.5		[A] 6.8	
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00	[A] 18		[A] 14		[A] 8.9		[A] 7.4	
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50		[A] < 0.50	
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00	[A] 26		[A] 34		[A] 36		[A] 24	
Organic Matter		M	2625	%	0.40								
Total Organic Carbon		M	2625	%	0.20	[A] 1.2		[A] 1.3		[A] 4.8		[A] 4.3	
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10	< 10		31		39		17	
Benzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] 2.6	
Toluene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
Ethylbenzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
m & p-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
o-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0		[A] < 1.0	
Naphthalene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Acenaphthylene		N	2800	mg/kg	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	
Fluorene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Phenanthrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Pyrene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751932	1751933	1751934	1751935	1751936	1751937	1751938	1751939
Order No.:				Client Sample Ref.:		AA119035	AA119036	AA119042	AA119044	AA204208	AA204209	AA204215	AA204217
				Sample Location:		BH01	BH01	BH02	BH02	BH03	BH03	BH04	BH04
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	3.00	0.50	1.00	0.50	2.00
				Asbestos Lab:		DURHAM		DURHAM		DURHAM		DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 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		< 0.10	
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 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		< 0.10	
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	< 1.0		< 1.0		< 1.0		< 1.0	
PCB 28		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 52		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 101		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 118		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 153		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 138		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
PCB 180		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010		[A] < 0.010	
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05		[A] < 0.05	
Total Phenols		M	2920	mg/kg	0.10	< 0.10		< 0.10		< 0.10		< 0.10	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751940	1751941	1751942	1751943	1751944	1751945	1751946	1751947
Order No.:				Client Sample Ref.:		AA204202	AA204222	AA204224	AA209208	AA209209	AA209210	AA209201	AA209203
				Sample Location:		BH05	BH06	BH06	BH07	BH07	BH07	BH08	BH08
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	0.50	2.00	0.50	1.00	2.00	0.50	2.00
				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	12	13	12	10	8.9	16	8.4	19
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	Clay
pH at 20C		M	2010		4.0	[A] 8.7	[A] 9.7		[A] 10.6		[A] 8.7	[A] 8.8	
pH (2.5:1) at 20C		N	2010		4.0			[A] 8.6		[A] 10.0			[A] 8.9
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	[A] < 0.40	[A] 0.90		[A] < 0.40		[A] < 0.40	[A] 0.41	
Magnesium (Water Soluble)		N	2120	g/l	0.010			[A] < 0.010		[A] < 0.010			[A] < 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010			[A] < 0.010		[A] 0.45			[A] 0.095
Total Sulphur		U	2175	%	0.010			[A] 0.015		[A] 0.40			[A] 0.13
Sulphur (Elemental)		M	2180	mg/kg	1.0	[A] 36	[A] 3.1		[A] 3.0		[A] 3.5	[A] 28	
Chloride (Water Soluble)		M	2220	g/l	0.010			[A] 0.012		[A] 0.024			[A] 0.053
Nitrate (Water Soluble)		N	2220	g/l	0.010			< 0.010		< 0.010			0.036
Cyanide (Total)		M	2300	mg/kg	0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	[A] 5.1	[A] 8.6		[A] 6.7		[A] 5.0	[A] 11	
Ammonium (Water Soluble)		M	2220	g/l	0.01			< 0.01		< 0.01			< 0.01
Sulphate (Total)		U	2430	%	0.010	[A] 0.11	[A] 0.66		[A] 0.47		[A] 0.062	[A] 0.35	
Sulphate (Acid Soluble)		U	2430	%	0.010			[A] 0.038		[A] 0.19			[A] 0.092
Arsenic		M	2455	mg/kg	0.5	18	19		40		16	11	
Barium		M	2455	mg/kg	0	120	180		520		170	270	
Cadmium		M	2455	mg/kg	0.10	3.4	1.3		3.3		2.8	1.4	
Chromium		M	2455	mg/kg	0.5	27	21		17		21	15	
Molybdenum		M	2455	mg/kg	0.5	6.2	1.8		2.2		4.2	1.9	
Antimony		N	2455	mg/kg	2.0	3.1	2.5		32		4.6	< 2.0	
Copper		M	2455	mg/kg	0.50	43	32		270		43	44	
Mercury		M	2455	mg/kg	0.05	0.08	0.07		0.20		0.08	0.12	
Nickel		M	2455	mg/kg	0.50	75	36		36		55	27	
Lead		M	2455	mg/kg	0.50	36	92		1600		150	67	
Selenium		M	2455	mg/kg	0.25	1.6	0.96		1.3		1.1	1.1	
Zinc		M	2455	mg/kg	0.50	120	140		460		110	200	
Chromium (Trivalent)		N	2490	mg/kg	1.0	27	21		17		21	15	
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	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751940	1751941	1751942	1751943	1751944	1751945	1751946	1751947
Order No.:				Client Sample Ref.:		AA204202	AA204222	AA204224	AA209208	AA209209	AA209210	AA209201	AA209203
				Sample Location:		BH05	BH06	BH06	BH07	BH07	BH07	BH08	BH08
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	0.50	2.00	0.50	1.00	2.00	0.50	2.00
				Asbestos Lab:		DURHAM	DURHAM		DURHAM		DURHAM	DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] < 2.0	[A] < 2.0		[A] 2.1		[A] 2.3	[A] 2.8	
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00	[A] < 1.0	[A] 3.8		[A] < 1.0		[A] 4.6	[A] 4.4	
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] 2.1	[A] 11		[A] 4.2		[A] 4.7	[A] 3.6	
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00	[A] 21	[A] 40		[A] 39		[A] 15	[A] 20	
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00	[A] 14	[A] 19		[A] 13		[A] 10	[A] 14	
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00	[A] 26	[A] 56		[A] 46		[A] 27	[A] 31	
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] 1.3	
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] < 2.0	[A] 8.1		[A] < 2.0		[A] 2.5	[A] 24	
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 8.5	[A] 180		[A] 18		[A] 12	[A] 43	
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00	[A] 7.4	[A] 56		[A] 6.6		[A] 6.7	[A] 9.3	
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00	[A] 10	[A] 190		[A] 18		[A] 14	[A] 69	
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50	
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00	[A] 36	[A] 250		[A] 64		[A] 41	[A] 100	
Organic Matter		M	2625	%	0.40								
Total Organic Carbon		M	2625	%	0.20	[A] 0.38	[A] 2.9		[A] 4.1		[A] 0.92	[A] 5.3	
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10	40	75		59		37	45	
Benzene		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
Toluene		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
Ethylbenzene		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
m & p-Xylene		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
o-Xylene		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	0.15	
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	0.18	
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	0.87	
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	0.90	
Phenanthrene		M	2800	mg/kg	0.10	< 0.10	0.43		< 0.10		< 0.10	5.3	
Anthracene		M	2800	mg/kg	0.10	< 0.10	0.16		< 0.10		< 0.10	2.5	
Fluoranthene		M	2800	mg/kg	0.10	< 0.10	1.1		< 0.10		< 0.10	13	
Pyrene		M	2800	mg/kg	0.10	< 0.10	0.92		< 0.10		< 0.10	11	
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10	0.53		< 0.10		< 0.10	5.9	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751940	1751941	1751942	1751943	1751944	1751945	1751946	1751947
Order No.:				Client Sample Ref.:		AA204202	AA204222	AA204224	AA209208	AA209209	AA209210	AA209201	AA209203
				Sample Location:		BH05	BH06	BH06	BH07	BH07	BH07	BH08	BH08
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	0.50	2.00	0.50	1.00	2.00	0.50	2.00
				Asbestos Lab:		DURHAM	DURHAM		DURHAM		DURHAM	DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene		M	2800	mg/kg	0.10	< 0.10	0.57		< 0.10		< 0.10	4.7	
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10	1.0		< 0.10		< 0.10	7.7	
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10	0.30		< 0.10		< 0.10	2.4	
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10	0.94		< 0.10		< 0.10	6.3	
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	3.9	
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	0.70	
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	3.4	
Coronene		N	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10		< 0.10	< 0.10	
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	< 1.0	6.0		< 1.0		< 1.0	69	
PCB 28		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 52		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 101		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 118		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 153		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 138		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 180		U	2815	mg/kg	0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Phenols		M	2920	mg/kg	0.10	< 0.10	0.14		< 0.10		< 0.10	< 0.10	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751948	1751949	1751950	1751951	1751952	1751953	1751954	1751955
Order No.:				Client Sample Ref.:		AA204230	AA204231	AA204238	AA204239	AA204244	AA209223	AA209224	AA209215
				Sample Location:		BH09	BH09	BH10	BH10	BH11	BH12	BH12	BH13
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	2.00	0.50	1.00	2.00	0.50
				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	17	10	18	11	18	18	11	8.5
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones and Roots	Stones	Stones	Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Clay	Sand	Sand	Sand	Sand	Clay	Sand
pH at 20C		M	2010		4.0	[A] 8.3		[A] 8.6		[A] 8.4	[A] 8.5		[A] 10.5
pH (2.5:1) at 20C		N	2010		4.0		[A] 9.0		[A] 8.9			[A] 9.2	
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	[A] < 0.40		[A] 0.52		[A] 1.6	[A] 0.81		[A] < 0.40
Magnesium (Water Soluble)		N	2120	g/l	0.010		[A] < 0.010		[A] < 0.010			[A] < 0.010	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		[A] < 0.010		[A] < 0.010			[A] < 0.010	
Total Sulphur		U	2175	%	0.010		[A] 0.014		[A] 0.045			[A] 0.027	
Sulphur (Elemental)		M	2180	mg/kg	1.0	[A] 1.8		[A] 2.0		[A] 12	[A] 10		[A] 4.9
Chloride (Water Soluble)		M	2220	g/l	0.010		[A] 0.032		[A] 0.055			[A] 0.036	
Nitrate (Water Soluble)		N	2220	g/l	0.010		< 0.010		< 0.010			< 0.010	
Cyanide (Total)		M	2300	mg/kg	0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50		[A] < 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	[A] 5.1		[A] 3.8		[A] 8.5	[A] 6.0		[A] 4.7
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01			< 0.01	
Sulphate (Total)		U	2430	%	0.010	[A] 0.064		[A] 0.039		[A] 0.14	[A] 0.11		[A] 0.46
Sulphate (Acid Soluble)		U	2430	%	0.010		[A] 0.025		[A] 0.031			[A] 0.023	
Arsenic		M	2455	mg/kg	0.5	18		21		13	19		25
Barium		M	2455	mg/kg	0	150		97		160	170		280
Cadmium		M	2455	mg/kg	0.10	3.5		2.2		1.2	3.8		1.3
Chromium		M	2455	mg/kg	0.5	30		30		16	29		15
Molybdenum		M	2455	mg/kg	0.5	4.5		6.1		2.0	4.5		1.9
Antimony		N	2455	mg/kg	2.0	2.4		2.8		< 2.0	2.4		4.2
Copper		M	2455	mg/kg	0.50	28		31		26	36		26
Mercury		M	2455	mg/kg	0.05	0.11		0.09		0.12	0.15		0.09
Nickel		M	2455	mg/kg	0.50	76		64		28	68		27
Lead		M	2455	mg/kg	0.50	41		45		59	62		110
Selenium		M	2455	mg/kg	0.25	1.2		1.4		0.84	1.3		0.83
Zinc		M	2455	mg/kg	0.50	110		110		79	120		200
Chromium (Trivalent)		N	2490	mg/kg	1.0	30		30		16	29		15
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	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751948	1751949	1751950	1751951	1751952	1751953	1751954	1751955
Order No.:				Client Sample Ref.:		AA204230	AA204231	AA204238	AA204239	AA204244	AA209223	AA209224	AA209215
				Sample Location:		BH09	BH09	BH10	BH10	BH11	BH12	BH12	BH13
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	2.00	0.50	1.00	2.00	0.50
				Asbestos Lab:		DURHAM		DURHAM		DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25		[A] < 0.25
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] < 2.0		[A] 2.2		[A] 2.3	[A] 2.4		[A] 2.5
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00	[A] < 1.0		[A] 1.2		[A] < 1.0	[A] 2.7		[A] 5.2
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] 2.4		[A] < 2.0		[A] 3.2	[A] 3.0		[A] 6.7
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00	[A] 11		[A] 10		[A] 12	[A] 15		[A] 45
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00	[A] 13		[A] 11		[A] 10	[A] 16		[A] 12
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00	[A] 16		[A] 15		[A] 19	[A] 23		[A] 59
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25		[A] < 0.25
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] < 2.0		[A] 3.0		[A] 5.9	[A] 2.3		[A] 3.3
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 8.7		[A] 16		[A] 34	[A] 14		[A] 21
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00	[A] 6.4		[A] 7.7		[A] 12	[A] 8.9		[A] 7.1
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00	[A] 10		[A] 19		[A] 39	[A] 17		[A] 24
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50		[A] < 0.50
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00	[A] 27		[A] 34		[A] 58	[A] 40		[A] 83
Organic Matter		M	2625	%	0.40								
Total Organic Carbon		M	2625	%	0.20	[A] 0.51		[A] 0.72		[A] 2.6	[A] 1.8		[A] 5.2
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10	29		26		29	39		71
Benzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Toluene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Ethylbenzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
m & p-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
o-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0		[A] < 1.0
Naphthalene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 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		< 0.10		< 0.10	< 0.10		0.18
Anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10
Fluoranthene		M	2800	mg/kg	0.10	0.35		< 0.10		0.29	0.14		0.37
Pyrene		M	2800	mg/kg	0.10	0.33		< 0.10		0.31	0.15		0.31
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		0.20

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751948	1751949	1751950	1751951	1751952	1751953	1751954	1751955
Order No.:				Client Sample Ref.:		AA204230	AA204231	AA204238	AA204239	AA204244	AA209223	AA209224	AA209215
				Sample Location:		BH09	BH09	BH10	BH10	BH11	BH12	BH12	BH13
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	1.00	2.00	0.50	1.00	2.00	0.50
				Asbestos Lab:		DURHAM		DURHAM		DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		0.14
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		0.21
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 0.10		< 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	< 0.10		< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10		< 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	< 0.10		< 0.10
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	< 1.0		< 1.0		< 1.0	< 1.0		1.4
PCB 28		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 52		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 101		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 118		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] 0.012	[A] < 0.010		[A] < 0.010
PCB 153		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] 0.012	[A] < 0.010		[A] < 0.010
PCB 138		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] 0.012	[A] < 0.010		[A] < 0.010
PCB 180		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010		[A] 0.012	[A] < 0.010		[A] < 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	[A] < 0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL						**Chemtest Job No.:**	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:						**Chemtest Sample ID.:**	1751956	1751957	1751958	1751959	1751960	1751961	1751962	1751963
Order No.:						Client Sample Ref.:	AA209217	AA196364	AA196366	AA196368	AA196372	AA196373	AA196374	AA196375
						Sample Location:	BH13	TP01	TP01	TP02	TP03	TP03	TP03	TP04
						Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Top Depth (m):	2.00	0.50	2.00	0.50	0.70	1.50	2.40	0.80
						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	10		7.7	9.5	3.8	6.0	17	9.9	12
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	Clay		Sand	Clay	Loam	Sand	Sand	Clay	Sand
pH at 20C		M	2010		4.0			[A] 9.2		[A] 8.3	[A] 9.0	[A] 8.2		[A] 8.7
pH (2.5:1) at 20C		N	2010		4.0	[A] 9.2			[A] 9.0				[A] 8.7	
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40			[A] < 0.40		[A] < 0.40	[A] < 0.40	[A] 0.69		[A] 0.57
Magnesium (Water Soluble)		N	2120	g/l	0.010	[A] < 0.010			[A] < 0.010				[A] < 0.010	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	[A] 0.018			[A] 0.013				[A] < 0.010	
Total Sulphur		U	2175	%	0.010	[A] 0.027			[A] 0.021				[A] 0.018	
Sulphur (Elemental)		M	2180	mg/kg	1.0			[A] 2.6		[A] 1.1	[A] 1.6	[A] 61		[A] 4.4
Chloride (Water Soluble)		M	2220	g/l	0.010	[A] < 0.010			[A] < 0.010				[A] 0.050	
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010			< 0.010				< 0.010	
Cyanide (Total)		M	2300	mg/kg	0.50			[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50			[A] 6.8		[A] 5.5	[A] 5.3	[A] 5.9		[A] 5.2
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01			< 0.01				< 0.01	
Sulphate (Total)		U	2430	%	0.010			[A] 0.45		[A] 0.65	[A] 0.32	[A] 0.11		[A] 0.23
Sulphate (Acid Soluble)		U	2430	%	0.010	[A] 0.030			[A] 0.020				[A] 0.020	
Arsenic		M	2455	mg/kg	0.5			33		31	65	6.4		20
Barium		M	2455	mg/kg	0			260		290	670	71		320
Cadmium		M	2455	mg/kg	0.10			1.9		1.5	3.6	0.88		1.4
Chromium		M	2455	mg/kg	0.5			14		9.0	15	18		31
Molybdenum		M	2455	mg/kg	0.5			2.1		1.3	2.3	1.8		1.7
Antimony		N	2455	mg/kg	2.0			8.4		4.3	32	< 2.0		2.9
Copper		M	2455	mg/kg	0.50			64		30	250	16		38
Mercury		M	2455	mg/kg	0.05			0.08		0.07	0.18	0.06		0.13
Nickel		M	2455	mg/kg	0.50			37		28	39	26		40
Lead		M	2455	mg/kg	0.50			340		120	2100	26		180
Selenium		M	2455	mg/kg	0.25			1.3		0.81	1.2	0.58		0.97
Zinc		M	2455	mg/kg	0.50			280		220	670	67		220
Chromium (Trivalent)		N	2490	mg/kg	1.0			14		9.0	15	18		31
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			[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05			[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05			[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751956	1751957	1751958	1751959	1751960	1751961	1751962	1751963
Order No.:				Client Sample Ref.:		AA209217	AA196364	AA196366	AA196368	AA196372	AA196373	AA196374	AA196375
				Sample Location:		BH13	TP01	TP01	TP02	TP03	TP03	TP03	TP04
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.00	0.50	2.00	0.50	0.70	1.50	2.40	0.80
				Asbestos Lab:			DURHAM		DURHAM	DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00		[A] 3.0		[A] < 2.0	[A] < 2.0	[A] < 2.0		[A] < 2.0
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00		[A] 4.4		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] 39
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00		[A] 3.7		[A] < 2.0	[A] < 2.0	[A] < 2.0		[A] 50
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00		[A] 16		[A] 12	[A] 5.2	[A] 22		[A] 41
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00		[A] < 10		[A] 18	[A] < 10	[A] 32		[A] 31
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00		[A] 27		[A] 14	[A] 6.7	[A] 22		[A] 130
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] 9.1
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00		[A] 2.9		[A] 2.4	[A] 2.5	[A] 2.0		[A] 49
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00		[A] 9.6		[A] 26	[A] 20	[A] 11		[A] 35
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00		[A] 5.8		[A] 7.1	[A] 6.5	[A] 29		[A] 26
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00		[A] 12		[A] 28	[A] 22	[A] 13		[A] 93
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00		[A] 39		[A] 42	[A] 29	[A] 35		[A] 220
Organic Matter		M	2625	%	0.40								
Total Organic Carbon		M	2625	%	0.20		[A] 2.2		[A] 3.5	[A] 5.5	[A] 0.42		[A] 2.0
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10		27		32	< 10	54		160
Benzene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Toluene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Ethylbenzene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
m & p-Xylene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
o-Xylene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Naphthalene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		0.15
Acenaphthylene		N	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		0.24
Acenaphthene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		0.85
Fluorene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		0.79
Phenanthrene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		7.3
Anthracene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		3.5
Fluoranthene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		30
Pyrene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		24
Benzo[a]anthracene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		16

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751956	1751957	1751958	1751959	1751960	1751961	1751962	1751963
Order No.:				Client Sample Ref.:		AA209217	AA196364	AA196366	AA196368	AA196372	AA196373	AA196374	AA196375
				Sample Location:		BH13	TP01	TP01	TP02	TP03	TP03	TP03	TP04
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		2.00	0.50	2.00	0.50	0.70	1.50	2.40	0.80
				Asbestos Lab:			DURHAM		DURHAM	DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		12
Benzo[b]fluoranthene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		21
Benzo[k]fluoranthene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		7.1
Benzo[a]pyrene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		19
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		11
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		2.0
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		9.9
Coronene		N	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		< 0.10
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0		< 1.0		< 1.0	< 1.0	< 1.0		160
PCB 28		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 52		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 101		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 118		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 153		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 138		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 180		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Phenols		M	2920	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		< 0.10

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL			**Chemtest Job No.:**			24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:			**Chemtest Sample ID.:**			1751964	1751965	1751966	1751967	1751968	1751969	1751970	1751971
Order No.:			Client Sample Ref.:			AA196376	AA196378	AA196379	AA196380	AA204940	AA196397	AA196398	AA196392
			Sample Location:			TP04	TP05	TP05	TP05	TP06	TP07	TP07	TP08
			Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):			1.60	0.40	0.90	1.70	0.50	1.30	2.00	0.60
			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	19	13	14	8.6	5.3	16	12	6.3
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	None	Stones
Soil Texture		N	2040		N/A	Loam	Loam	Loam	Clay	Clay	Clay	Clay	Loam
pH at 20C		M	2010		4.0		[A] 8.2		[A] 8.3	[A] 9.4	[A] 9.5		[A] 9.0
pH (2.5:1) at 20C		N	2010		4.0	[A] 8.3		[A] 8.5				[A] 8.7	
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40		[A] 0.52		[A] < 0.40	[A] < 0.40	[A] 0.55		[A] < 0.40
Magnesium (Water Soluble)		N	2120	g/l	0.010	[A] < 0.010		[A] < 0.010				[A] < 0.010	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	[A] 0.025		[A] 0.11				[A] < 0.010	
Total Sulphur		U	2175	%	0.010	[A] 0.052		[A] 0.074				[A] 0.010	
Sulphur (Elemental)		M	2180	mg/kg	1.0		[A] 6.5		[A] < 1.0	[A] 8.7	[A] 37		[A] 15
Chloride (Water Soluble)		M	2220	g/l	0.010	[A] 0.046		[A] 0.069				[A] < 0.010	
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010		< 0.010				< 0.010	
Cyanide (Total)		M	2300	mg/kg	0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50		[A] 6.0		[A] 6.4	[A] 4.9	[A] 5.5		[A] 6.1
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01		< 0.01				< 0.01	
Sulphate (Total)		U	2430	%	0.010		[A] 0.71		[A] 0.044	[A] 0.41	[A] 0.13		[A] 0.35
Sulphate (Acid Soluble)		U	2430	%	0.010	[A] 0.081		[A] 0.053				[A] 0.038	
Arsenic		M	2455	mg/kg	0.5		28		9.3	22	15		20
Barium		M	2455	mg/kg	0		260		58	210	150		120
Cadmium		M	2455	mg/kg	0.10		1.2		1.9	0.75	0.97		0.74
Chromium		M	2455	mg/kg	0.5		19		14	14	19		7.5
Molybdenum		M	2455	mg/kg	0.5		2.5		3.3	1.0	2.4		1.1
Antimony		N	2455	mg/kg	2.0		4.2		< 2.0	3.7	2.0		3.4
Copper		M	2455	mg/kg	0.50		77		24	23	21		27
Mercury		M	2455	mg/kg	0.05		0.13		< 0.05	0.07	0.25		0.08
Nickel		M	2455	mg/kg	0.50		45		40	26	35		28
Lead		M	2455	mg/kg	0.50		96		21	86	49		73
Selenium		M	2455	mg/kg	0.25		1.1		1.4	0.61	0.76		0.80
Zinc		M	2455	mg/kg	0.50		130		73	86	98		96
Chromium (Trivalent)		N	2490	mg/kg	1.0		19		14	14	19		7.5
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		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751964	1751965	1751966	1751967	1751968	1751969	1751970	1751971
Order No.:				Client Sample Ref.:		AA196376	AA196378	AA196379	AA196380	AA204940	AA196397	AA196398	AA196392
				Sample Location:		TP04	TP05	TP05	TP05	TP06	TP07	TP07	TP08
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.60	0.40	0.90	1.70	0.50	1.30	2.00	0.60
				Asbestos Lab:			DURHAM		DURHAM	DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00		[A] < 2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0		[A] < 2.0
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00		[A] 5.1		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00		[A] 4.3		[A] < 2.0	[A] < 2.0	[A] < 2.0		[A] < 2.0
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00		[A] 50		[A] 20	[A] 18	[A] 23		[A] 23
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00		[A] 46		[A] 30	[A] 29	[A] 38		[A] 28
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00		[A] 61		[A] 20	[A] 18	[A] 27		[A] 23
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25		[A] < 0.25		[A] < 0.25	[A] < 0.25	[A] < 0.25		[A] < 0.25
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00		[A] 2.4		[A] < 2.0	[A] < 2.0	[A] 24		[A] < 2.0
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00		[A] 29		[A] 8.5	[A] 43	[A] 24		[A] 9.4
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00		[A] 31		[A] 25	[A] 24	[A] 25		[A] 23
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00		[A] 32		[A] 10	[A] 45	[A] 48		[A] 11
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00		[A] 92		[A] 30	[A] 63	[A] 76		[A] 34
Organic Matter		M	2625	%	0.40	[A] 2.2							
Total Organic Carbon		M	2625	%	0.20		[A] 4.3		[A] 2.3	[A] 6.0	[A] 2.1		[A] 6.0
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10		140		50	47	75		51
Benzene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Toluene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Ethylbenzene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
m & p-Xylene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
o-Xylene		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0		[A] < 1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0
Naphthalene		M	2800	mg/kg	0.10		0.13		< 0.10	< 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		0.53		< 0.10	< 0.10	1.3		0.18
Anthracene		M	2800	mg/kg	0.10		0.17		< 0.10	< 0.10	0.43		< 0.10
Fluoranthene		M	2800	mg/kg	0.10		0.90		< 0.10	< 0.10	3.7		0.31
Pyrene		M	2800	mg/kg	0.10		0.82		< 0.10	< 0.10	2.9		0.28
Benzo[a]anthracene		M	2800	mg/kg	0.10		0.35		< 0.10	< 0.10	2.2		< 0.10

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751964	1751965	1751966	1751967	1751968	1751969	1751970	1751971
Order No.:				Client Sample Ref.:		AA196376	AA196378	AA196379	AA196380	AA204940	AA196397	AA196398	AA196392
				Sample Location:		TP04	TP05	TP05	TP05	TP06	TP07	TP07	TP08
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.60	0.40	0.90	1.70	0.50	1.30	2.00	0.60
				Asbestos Lab:			DURHAM		DURHAM	DURHAM	DURHAM		DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene		M	2800	mg/kg	0.10		0.30		< 0.10	< 0.10	1.5		< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10		0.45		< 0.10	< 0.10	3.3		< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10		0.15		< 0.10	< 0.10	0.95		< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10		0.28		< 0.10	< 0.10	2.7		< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10		0.39		< 0.10	< 0.10	2.0		< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	0.25		< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10		0.36		< 0.10	< 0.10	1.5		< 0.10
Coronene		N	2800	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		< 0.10
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0		4.8		< 1.0	< 1.0	23		< 1.0
PCB 28		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 52		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 101		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 118		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 153		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 138		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
PCB 180		U	2815	mg/kg	0.010		[A] < 0.010		[A] < 0.010	[A] < 0.010	[A] < 0.010		[A] < 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05		[A] < 0.05		[A] < 0.05	[A] < 0.05	[A] < 0.05		[A] < 0.05
Total Phenols		M	2920	mg/kg	0.10		< 0.10		< 0.10	< 0.10	< 0.10		< 0.10

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751972	1751973	1751974	1751975	1751976
Order No.:				Client Sample Ref.:		AA196388	AA196389	AA196390	AA196386	AA196387
				Sample Location:		TP09	TP09	TP09	TP11	TP11
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		0.40	0.90	1.60	0.80	1.50
				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	9.7	16	11	17	21
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	Clay	Clay	Loam	Clay
pH at 20C		M	2010		4.0	[A] 9.4		[A] 9.0	[A] 8.2	
pH (2.5:1) at 20C		N	2010		4.0		[A] 8.6			[A] 8.6
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	[A] 0.72		[A] < 0.40	[A] 1.6	
Magnesium (Water Soluble)		N	2120	g/l	0.010		[A] < 0.010			[A] < 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		[A] 0.057			[A] 0.060
Total Sulphur		U	2175	%	0.010		[A] 0.036			[A] 0.084
Sulphur (Elemental)		M	2180	mg/kg	1.0	[A] 97		[A] 3.9	[A] 35	
Chloride (Water Soluble)		M	2220	g/l	0.010		[A] 0.37			[A] 0.084
Nitrate (Water Soluble)		N	2220	g/l	0.010		< 0.010			0.023
Cyanide (Total)		M	2300	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] 0.80	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	[A] 4.0		[A] 5.5	[A] 11	
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01			< 0.01
Sulphate (Total)		U	2430	%	0.010	[A] 0.17		[A] 0.066	[A] 0.17	
Sulphate (Acid Soluble)		U	2430	%	0.010		[A] 0.051			[A] 0.068
Arsenic		M	2455	mg/kg	0.5	8.3		12	13	
Barium		M	2455	mg/kg	0	48		110	120	
Cadmium		M	2455	mg/kg	0.10	2.0		2.2	2.5	
Chromium		M	2455	mg/kg	0.5	17		25	24	
Molybdenum		M	2455	mg/kg	0.5	2.8		2.8	3.6	
Antimony		N	2455	mg/kg	2.0	< 2.0		2.0	3.4	
Copper		M	2455	mg/kg	0.50	25		32	40	
Mercury		M	2455	mg/kg	0.05	< 0.05		0.05	0.28	
Nickel		M	2455	mg/kg	0.50	32		56	50	
Lead		M	2455	mg/kg	0.50	21		30	87	
Selenium		M	2455	mg/kg	0.25	1.3		1.1	2.1	
Zinc		M	2455	mg/kg	0.50	76		98	180	
Chromium (Trivalent)		N	2490	mg/kg	1.0	17		25	24	
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	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751972	1751973	1751974	1751975	1751976
Order No.:				Client Sample Ref.:		AA196388	AA196389	AA196390	AA196386	AA196387
				Sample Location:		TP09	TP09	TP09	TP11	TP11
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		0.40	0.90	1.60	0.80	1.50
				Asbestos Lab:		DURHAM		DURHAM	DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**					
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25	[A] < 0.25	
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] < 2.0		[A] < 2.0	[A] < 2.0	
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	2690	mg/kg	1.00	[A] 14		[A] 3.5	[A] < 1.0	
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	2690	mg/kg	2.00	[A] 32		[A] 3.0	[A] < 2.0	
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	2690	mg/kg	3.00	[A] 58		[A] 18	[A] 29	
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	2690	mg/kg	10.00	[A] 31		[A] 25	[A] 29	
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	2690	mg/kg	5.00	[A] 100		[A] 25	[A] 30	
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	[A] < 0.25		[A] < 0.25	[A] < 0.25	
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] < 1.0		[A] < 1.0	[A] < 1.0	
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	2690	mg/kg	1.00	[A] 2.6		[A] < 1.0	[A] < 1.0	
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 6.4		[A] < 2.0	[A] < 2.0	
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	2690	mg/kg	2.00	[A] 21		[A] 7.5	[A] 29	
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	2690	mg/kg	1.00	[A] 24		[A] 22	[A] 29	
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	2690	mg/kg	5.00	[A] 30		[A] 8.7	[A] 31	
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	
Total EPH >C10-C35	EH_2D_Total_#1	U	2690	mg/kg	10.00	[A] 130		[A] 33	[A] 61	
Organic Matter		M	2625	%	0.40		[A] 2.1			
Total Organic Carbon		M	2625	%	0.20	[A] 6.8		[A] 1.3	[A] 4.5	
Mineral Oil EPH	EH_2D_AL_#1	N	2670	mg/kg	10	130		50	59	
Benzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0	
Toluene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0	
Ethylbenzene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0	
m & p-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0	
o-Xylene		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0	
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	[A] < 1.0		[A] < 1.0	[A] < 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	0.19		< 0.10	0.11	
Anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10	< 0.10	
Fluoranthene		M	2800	mg/kg	0.10	0.17		< 0.10	0.18	
Pyrene		M	2800	mg/kg	0.10	0.15		< 0.10	0.18	
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10	< 0.10	

Results - Soil

Project: 25000-2 Site 2 NDFA Social Housing

Client: IGSL				**Chemtest Job No.:**		24-00485	24-00485	24-00485	24-00485	24-00485
Quotation No.:				**Chemtest Sample ID.:**		1751972	1751973	1751974	1751975	1751976
Order No.:				Client Sample Ref.:		AA196388	AA196389	AA196390	AA196386	AA196387
				Sample Location:		TP09	TP09	TP09	TP11	TP11
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		0.40	0.90	1.60	0.80	1.50
				Asbestos Lab:		DURHAM		DURHAM	DURHAM	
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**					
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	
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	
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	< 1.0		< 1.0	< 1.0	
PCB 28		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 52		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 101		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 118		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 153		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 138		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
PCB 180		U	2815	mg/kg	0.010	[A] < 0.010		[A] < 0.010	[A] < 0.010	
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	[A] < 0.05		[A] < 0.05	[A] < 0.05	
Total Phenols		M	2920	mg/kg	0.10	< 0.10		< 0.10	< 0.10	

Results - Single Stage WAC

Project: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751932							
Sample Ref:	AA119035							
Sample ID:								
Sample Location:	BH01							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 1.2	3	5	6
Loss On Ignition	2610		M	%	4.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		7.7	--	>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	0.0012	0.012	0.5	2	25
Barium	1455		U	0.024	0.24	20	100	300
Cadmium	1455		U	0.00014	0.0014	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0023	0.023	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0032	0.032	0.5	10	30
Nickel	1455		U	0.0026	0.026	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0010	0.011	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.004	0.036	4	50	200
Chloride	1220		U	9.8	98	800	15000	25000
Fluoride	1220		U	0.27	2.7	10	150	500
Sulphate	1220		U	35	350	1000	20000	50000
Total Dissolved Solids	1020		N	150	1500	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	6.0	60	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	26

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751934							
Sample Ref:	AA119042							
Sample ID:								
Sample Location:	BH02							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 1.3	3	5	6
Loss On Ignition	2610		M	%	3.9	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.6	--	>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	< 0.0002	< 0.0020	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	0.0006	0.0056	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0094	0.094	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	0.0008	0.0077	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	0.22	2.2	10	150	500
Sulphate	1220		U	2.8	28	1000	20000	50000
Total Dissolved Solids	1020		N	5.6	56	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 (%)	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751936							
Sample Ref:	AA204208							
Sample ID:								
Sample Location:	BH03							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 4.8	3	5	6
Loss On Ignition	2610		M	%	1.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] 93	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		10.0	--	>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	0.0003	0.0031	0.5	2	25
Barium	1455		U	0.041	0.41	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0073	0.073	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	0.0028	0.029	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	0.0015	0.015	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	8.5	85	800	15000	25000
Fluoride	1220		U	0.26	2.6	10	150	500
Sulphate	1220		U	34	340	1000	20000	50000
Total Dissolved Solids	1020		N	160	1600	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 (%)	7.4

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751938							
Sample Ref:	AA204215							
Sample ID:								
Sample Location:	BH04							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 4.3	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		10.2	--	>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	0.0013	0.013	0.5	2	25
Barium	1455		U	0.067	0.67	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0065	0.065	0.5	10	70
Copper	1455		U	0.0035	0.035	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0022	0.022	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	0.0021	0.021	0.06	0.7	5
Selenium	1455		U	0.0021	0.021	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	3.2	32	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	21	210	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 (%)	7.5

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751940							
Sample Ref:	AA204202							
Sample ID:								
Sample Location:	BH05							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 0.38	3	5	6
Loss On Ignition	2610		M	%	2.4	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	< 0.0002	< 0.0020	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	< 0.0005	< 0.0050	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0051	0.052	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	0.0007	0.0067	0.1	0.5	7
Zinc	1455		U	0.004	0.041	4	50	200
Chloride	1220		U	3.8	38	800	15000	25000
Fluoride	1220		U	0.18	1.8	10	150	500
Sulphate	1220		U	3.6	36	1000	20000	50000
Total Dissolved Solids	1020		N	6.2	62	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.

Results - Single Stage WAC

Project: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751941							
Sample Ref:	AA204222							
Sample ID:								
Sample Location:	BH06							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.9	3	5	6
Loss On Ignition	2610		M	%	3.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] 300	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	0.0082	0.082	0.5	2	25
Barium	1455		U	0.022	0.22	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0016	0.016	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	0.0050	0.050	0.5	10	30
Nickel	1455		U	0.0079	0.079	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0041	0.041	0.06	0.7	5
Selenium	1455		U	0.0025	0.025	0.1	0.5	7
Zinc	1455		U	0.006	0.056	4	50	200
Chloride	1220		U	6.8	68	800	15000	25000
Fluoride	1220		U	0.17	1.7	10	150	500
Sulphate	1220		U	73	730	1000	20000	50000
Total Dissolved Solids	1020		N	160	1600	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	8.4	84	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751943							
Sample Ref:	AA209208							
Sample ID:								
Sample Location:	BH07							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 4.1	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		10.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.018	--	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	0.0013	0.013	0.5	2	25
Barium	1455		U	0.038	0.38	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.020	0.20	0.5	10	70
Copper	1455		U	0.020	0.20	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0033	0.033	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	0.0046	0.046	0.06	0.7	5
Selenium	1455		U	0.0023	0.023	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.20	2.0	10	150	500
Sulphate	1220		U	25	250	1000	20000	50000
Total Dissolved Solids	1020		N	160	1600	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.7	< 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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751945							
Sample Ref:	AA209210							
Sample ID:								
Sample Location:	BH07							
Top Depth(m):	2.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 0.92	3	5	6
Loss On Ignition	2610		M	%	10	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.7	--	>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	0.0014	0.014	0.5	2	25
Barium	1455		U	0.087	0.87	20	100	300
Cadmium	1455		U	0.00021	0.0021	0.04	1	5
Chromium	1455		U	0.0012	0.012	0.5	10	70
Copper	1455		U	0.0043	0.043	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0069	0.069	0.5	10	30
Nickel	1455		U	0.0036	0.036	0.4	10	40
Lead	1455		U	0.0013	0.013	0.5	10	50
Antimony	1455		U	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	0.0010	0.0099	0.1	0.5	7
Zinc	1455		U	0.009	0.086	4	50	200
Chloride	1220		U	3.0	30	800	15000	25000
Fluoride	1220		U	0.32	3.2	10	150	500
Sulphate	1220		U	7.6	76	1000	20000	50000
Total Dissolved Solids	1020		N	86	860	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 (%)	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751946							
Sample Ref:	AA209201							
Sample ID:								
Sample Location:	BH08							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 5.3	3	5	6
Loss On Ignition	2610		M	%	3.3	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] 140	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.8	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	0.0069	0.069	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	0.0009	0.0090	0.5	10	70
Copper	1455		U	0.0039	0.039	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0063	0.063	0.5	10	30
Nickel	1455		U	0.0020	0.020	0.4	10	40
Lead	1455		U	0.0014	0.014	0.5	10	50
Antimony	1455		U	0.0040	0.040	0.06	0.7	5
Selenium	1455		U	0.0045	0.045	0.1	0.5	7
Zinc	1455		U	0.005	0.051	4	50	200
Chloride	1220		U	7.9	79	800	15000	25000
Fluoride	1220		U	0.24	2.4	10	150	500
Sulphate	1220		U	33	330	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	6.4	64	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	8.4

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751948							
Sample Ref:	AA204230							
Sample ID:								
Sample Location:	BH09							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 0.51	3	5	6
Loss On Ignition	2610		M	%	2.2	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.3	--	>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	0.0008	0.0075	0.5	2	25
Barium	1455		U	0.011	0.11	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0011	0.011	0.5	10	70
Copper	1455		U	0.0014	0.014	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0038	0.038	0.5	10	30
Nickel	1455		U	0.0017	0.017	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	0.0008	0.0082	0.1	0.5	7
Zinc	1455		U	0.004	0.044	4	50	200
Chloride	1220		U	5.3	53	800	15000	25000
Fluoride	1220		U	0.34	3.4	10	150	500
Sulphate	1220		U	15	150	1000	20000	50000
Total Dissolved Solids	1020		N	89	890	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 (%)	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751950							
Sample Ref:	AA204238							
Sample ID:								
Sample Location:	BH10							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 0.72	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.018	--	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	0.0013	0.013	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	0.0009	0.0094	0.5	10	70
Copper	1455		U	0.0022	0.022	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0056	0.056	0.5	10	30
Nickel	1455		U	0.0025	0.025	0.4	10	40
Lead	1455		U	0.0008	0.0078	0.5	10	50
Antimony	1455		U	0.0006	0.0056	0.06	0.7	5
Selenium	1455		U	0.0013	0.013	0.1	0.5	7
Zinc	1455		U	0.008	0.075	4	50	200
Chloride	1220		U	38	380	800	15000	25000
Fluoride	1220		U	0.51	5.1	10	150	500
Sulphate	1220		U	4.8	48	1000	20000	50000
Total Dissolved Solids	1020		N	150	1500	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 (%)	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751952							
Sample Ref:	AA204244							
Sample ID:								
Sample Location:	BH11							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.6	3	5	6
Loss On Ignition	2610		M	%	1.8	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.4	--	>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	0.015	0.15	0.5	2	25
Barium	1455		U	0.018	0.18	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0015	0.015	0.5	10	70
Copper	1455		U	0.0091	0.091	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0072	0.072	0.5	10	30
Nickel	1455		U	0.0035	0.035	0.4	10	40
Lead	1455		U	0.0023	0.023	0.5	10	50
Antimony	1455		U	0.0036	0.036	0.06	0.7	5
Selenium	1455		U	0.0033	0.033	0.1	0.5	7
Zinc	1455		U	0.006	0.061	4	50	200
Chloride	1220		U	21	210	800	15000	25000
Fluoride	1220		U	0.24	2.4	10	150	500
Sulphate	1220		U	20	200	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	9.1	91	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751953							
Sample Ref:	AA209223							
Sample ID:								
Sample Location:	BH12							
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 1.8	3	5	6
Loss On Ignition	2610		M	%	1.9	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.5	--	>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	0.0039	0.039	0.5	2	25
Barium	1455		U	0.033	0.33	20	100	300
Cadmium	1455		U	0.00043	0.0043	0.04	1	5
Chromium	1455		U	0.0018	0.018	0.5	10	70
Copper	1455		U	0.0080	0.080	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	0.0085	0.085	0.4	10	40
Lead	1455		U	0.0031	0.031	0.5	10	50
Antimony	1455		U	0.0021	0.021	0.06	0.7	5
Selenium	1455		U	0.0015	0.015	0.1	0.5	7
Zinc	1455		U	0.016	0.16	4	50	200
Chloride	1220		U	4.4	44	800	15000	25000
Fluoride	1220		U	0.56	5.6	10	150	500
Sulphate	1220		U	11	110	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	8.6	86	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751955							
Sample Ref:	AA209215							
Sample ID:								
Sample Location:	BH13							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 5.2	3	5	6
Loss On Ignition	2610		M	%	4.8	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		10.5	--	>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	0.0007	0.0072	0.5	2	25
Barium	1455		U	0.048	0.48	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.011	0.11	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	0.0049	0.049	0.5	10	30
Nickel	1455		U	0.0042	0.042	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0054	0.054	0.06	0.7	5
Selenium	1455		U	0.0031	0.031	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	3.7	37	800	15000	25000
Fluoride	1220		U	0.22	2.2	10	150	500
Sulphate	1220		U	33	330	1000	20000	50000
Total Dissolved Solids	1020		N	170	1700	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.8	< 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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751957							
Sample Ref:	AA196364							
Sample ID:								
Sample Location:	TP01							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.2	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.2	--	>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	0.0013	0.013	0.5	2	25
Barium	1455		U	0.028	0.28	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0051	0.051	0.5	10	70
Copper	1455		U	0.0006	0.0061	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0040	0.040	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	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	0.0019	0.019	0.1	0.5	7
Zinc	1455		U	0.003	0.029	4	50	200
Chloride	1220		U	28	280	800	15000	25000
Fluoride	1220		U	0.21	2.1	10	150	500
Sulphate	1220		U	90	900	1000	20000	50000
Total Dissolved Solids	1020		N	210	2100	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 (%)	7.7

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751959							
Sample Ref:	AA196368							
Sample ID:								
Sample Location:	TP02							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 3.5	3	5	6
Loss On Ignition	2610		M	%	1.5	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						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	0.0004	0.0042	0.5	2	25
Barium	1455		U	0.024	0.24	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	< 0.0050	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0017	0.017	0.5	10	30
Nickel	1455		U	0.0008	0.0076	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0006	0.0059	0.06	0.7	5
Selenium	1455		U	0.0013	0.014	0.1	0.5	7
Zinc	1455		U	0.009	0.089	4	50	200
Chloride	1220		U	5.0	50	800	15000	25000
Fluoride	1220		U	0.27	2.7	10	150	500
Sulphate	1220		U	180	1800	1000	20000	50000
Total Dissolved Solids	1020		N	260	2600	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 (%)	3.8

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751960							
Sample Ref:	AA196372							
Sample ID:								
Sample Location:	TP03							
Top Depth(m):	0.70							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 5.5	3	5	6
Loss On Ignition	2610		M	%	1.6	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.0	--	>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	0.0060	0.060	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	0.0006	0.0060	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0008	0.0076	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	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.004	0.042	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.076	< 1.0	10	150	500
Sulphate	1220		U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020		N	22	210	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	2.6	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	6.0

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751961							
Sample Ref:	AA196373							
Sample ID:								
Sample Location:	TP03							
Top Depth(m):	1.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 0.42	3	5	6
Loss On Ignition	2610		M	%	3.7	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.2	--	>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	0.0022	0.022	0.5	2	25
Barium	1455		U	0.011	0.11	20	100	300
Cadmium	1455		U	0.00023	0.0023	0.04	1	5
Chromium	1455		U	0.0015	0.015	0.5	10	70
Copper	1455		U	0.0049	0.049	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0049	0.050	0.5	10	30
Nickel	1455		U	0.0048	0.048	0.4	10	40
Lead	1455		U	0.0028	0.028	0.5	10	50
Antimony	1455		U	0.0015	0.016	0.06	0.7	5
Selenium	1455		U	0.0006	0.0065	0.1	0.5	7
Zinc	1455		U	0.016	0.16	4	50	200
Chloride	1220		U	4.5	45	800	15000	25000
Fluoride	1220		U	0.34	3.4	10	150	500
Sulphate	1220		U	15	150	1000	20000	50000
Total Dissolved Solids	1020		N	86	850	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	2.8	< 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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751963							
Sample Ref:	AA196375							
Sample ID:								
Sample Location:	TP04							
Top Depth(m):	0.80							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.0	3	5	6
Loss On Ignition	2610		M	%	9.2	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] 2300	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	0.012	0.12	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	0.015	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0004	0.0038	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0006	0.0061	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.009	0.092	4	50	200
Chloride	1220		U	1.8	18	800	15000	25000
Fluoride	1220		U	0.089	< 1.0	10	150	500
Sulphate	1220		U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020		N	57	570	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.2	< 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.

Results - Single Stage WAC

Project: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751965							
Sample Ref:	AA196378							
Sample ID:								
Sample Location:	TP05							
Top Depth(m):	0.40							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 4.3	3	5	6
Loss On Ignition	2610		M	%	3.4	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	0.0091	0.5	2	25
Barium	1455		U	0.028	0.28	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	0.0013	0.013	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0044	0.044	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	0.0006	0.0060	0.06	0.7	5
Selenium	1455		U	0.0010	0.010	0.1	0.5	7
Zinc	1455		U	0.005	0.054	4	50	200
Chloride	1220		U	20	200	800	15000	25000
Fluoride	1220		U	0.22	2.2	10	150	500
Sulphate	1220		U	110	1100	1000	20000	50000
Total Dissolved Solids	1020		N	230	2300	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 (%)	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751967							
Sample Ref:	AA196380							
Sample ID:								
Sample Location:	TP05							
Top Depth(m):	1.70							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.3	3	5	6
Loss On Ignition	2610		M	%	2.0	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.3	--	>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	0.0003	0.0030	0.5	2	25
Barium	1455		U	0.007	0.068	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	0.0006	0.0055	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	0.0063	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	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.003	0.033	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.21	2.1	10	150	500
Sulphate	1220		U	4.1	41	1000	20000	50000
Total Dissolved Solids	1020		N	6.1	61	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	5.1	51	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	8.6

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751968							
Sample Ref:	AA204940							
Sample ID:								
Sample Location:	TP06							
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 6.0	3	5	6
Loss On Ignition	2610		M	%	1.5	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.4	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.014	--	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	0.010	0.10	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	0.0031	0.031	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	0.0023	0.023	0.5	10	30
Nickel	1455		U	0.0009	0.0092	0.4	10	40
Lead	1455		U	0.0005	0.0052	0.5	10	50
Antimony	1455		U	0.0017	0.017	0.06	0.7	5
Selenium	1455		U	0.0018	0.018	0.1	0.5	7
Zinc	1455		U	0.007	0.066	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.14	1.4	10	150	500
Sulphate	1220		U	9.0	90	1000	20000	50000
Total Dissolved Solids	1020		N	63	630	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.2	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	5.3

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751969							
Sample Ref:	AA196397							
Sample ID:								
Sample Location:	TP07							
Top Depth(m):	1.30							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 2.1	3	5	6
Loss On Ignition	2610		M	%	2.9	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.5	--	>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	0.0030	0.030	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	0.0015	0.015	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	0.0079	0.079	0.5	10	30
Nickel	1455		U	0.0023	0.023	0.4	10	40
Lead	1455		U	0.0013	0.013	0.5	10	50
Antimony	1455		U	0.0012	0.012	0.06	0.7	5
Selenium	1455		U	0.0018	0.018	0.1	0.5	7
Zinc	1455		U	0.007	0.072	4	50	200
Chloride	1220		U	2.2	22	800	15000	25000
Fluoride	1220		U	0.44	4.4	10	150	500
Sulphate	1220		U	29	290	1000	20000	50000
Total Dissolved Solids	1020		N	100	990	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	7.2	72	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751971							
Sample Ref:	AA196392							
Sample ID:								
Sample Location:	TP08							
Top Depth(m):	0.60							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 6.0	3	5	6
Loss On Ignition	2610		M	%	0.78	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.0	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.014	--	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	0.0012	0.012	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	0.0019	0.019	0.5	10	70
Copper	1455		U	0.0022	0.022	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0008	0.0079	0.5	10	30
Nickel	1455		U	0.0020	0.020	0.4	10	40
Lead	1455		U	0.0016	0.016	0.5	10	50
Antimony	1455		U	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.013	0.13	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.27	2.7	10	150	500
Sulphate	1220		U	1.5	15	1000	20000	50000
Total Dissolved Solids	1020		N	49	490	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	4.4	< 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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751972							
Sample Ref:	AA196388							
Sample ID:								
Sample Location:	TP09							
Top Depth(m):	0.40							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 6.8	3	5	6
Loss On Ignition	2610		M	%	1.8	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.4	--	>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	0.011	0.11	0.5	2	25
Barium	1455		U	0.007	0.066	20	100	300
Cadmium	1455		U	0.00022	0.0022	0.04	1	5
Chromium	1455		U	0.0016	0.016	0.5	10	70
Copper	1455		U	0.0073	0.073	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	0.0053	0.053	0.4	10	40
Lead	1455		U	0.0035	0.035	0.5	10	50
Antimony	1455		U	0.0039	0.039	0.06	0.7	5
Selenium	1455		U	0.0035	0.035	0.1	0.5	7
Zinc	1455		U	0.010	0.097	4	50	200
Chloride	1220		U	17	170	800	15000	25000
Fluoride	1220		U	0.19	1.9	10	150	500
Sulphate	1220		U	53	530	1000	20000	50000
Total Dissolved Solids	1020		N	180	1800	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	6.3	63	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	9.7

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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751974							
Sample Ref:	AA196390							
Sample ID:								
Sample Location:	TP09							
Top Depth(m):	1.60							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 1.3	3	5	6
Loss On Ignition	2610		M	%	3.3	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		9.0	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.016	--	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	0.0060	0.060	0.5	2	25
Barium	1455		U	0.012	0.12	20	100	300
Cadmium	1455		U	0.00021	0.0021	0.04	1	5
Chromium	1455		U	0.0032	0.032	0.5	10	70
Copper	1455		U	0.013	0.13	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.010	0.10	0.5	10	30
Nickel	1455		U	0.013	0.13	0.4	10	40
Lead	1455		U	0.0067	0.067	0.5	10	50
Antimony	1455		U	0.0021	0.022	0.06	0.7	5
Selenium	1455		U	0.0017	0.017	0.1	0.5	7
Zinc	1455		U	0.036	0.36	4	50	200
Chloride	1220		U	34	340	800	15000	25000
Fluoride	1220		U	0.30	3.0	10	150	500
Sulphate	1220		U	16	160	1000	20000	50000
Total Dissolved Solids	1020		N	160	1600	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	5.9	59	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: 25000-2 Site 2 NDFA Social Housing

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-00485							
Chemtest Sample ID:	1751975							
Sample Ref:	AA196386							
Sample ID:								
Sample Location:	TP11							
Top Depth(m):	0.80							
Bottom Depth(m):								
Sampling Date:								
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	%	[A] 4.5	3	5	6
Loss On Ignition	2610		M	%	6.5	--	--	10
Total BTEX	2760		M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	EH_1D_Total_CU	M	mg/kg	[A] < 10	500	--	--
Total (of 17) PAHs						100	--	--
pH at 20C	2010		M		8.2	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.015	--	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	0.0026	0.026	0.5	2	25
Barium	1455		U	0.017	0.17	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	0.0042	0.042	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0072	0.072	0.5	10	30
Nickel	1455		U	0.0022	0.022	0.4	10	40
Lead	1455		U	0.0008	0.0081	0.5	10	50
Antimony	1455		U	0.0030	0.030	0.06	0.7	5
Selenium	1455		U	0.0015	0.015	0.1	0.5	7
Zinc	1455		U	0.006	0.058	4	50	200
Chloride	1220		U	4.3	43	800	15000	25000
Fluoride	1220		U	0.26	2.6	10	150	500
Sulphate	1220		U	30	300	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	8.0	80	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.

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1751932	AA119035		BH01		A	Amber Glass 250ml
1751932	AA119035		BH01		A	Plastic Tub 500g
1751933	AA119036		BH01		A	Amber Glass 250ml
1751933	AA119036		BH01		A	Plastic Tub 500g
1751934	AA119042		BH02		A	Amber Glass 250ml
1751934	AA119042		BH02		A	Plastic Tub 500g
1751935	AA119044		BH02		A	Amber Glass 250ml
1751935	AA119044		BH02		A	Plastic Tub 500g
1751936	AA204208		BH03		A	Amber Glass 250ml
1751936	AA204208		BH03		A	Plastic Tub 500g
1751937	AA204209		BH03		A	Amber Glass 250ml
1751937	AA204209		BH03		A	Plastic Tub 500g
1751938	AA204215		BH04		A	Amber Glass 250ml
1751938	AA204215		BH04		A	Plastic Tub 500g
1751939	AA204217		BH04		A	Amber Glass 250ml
1751939	AA204217		BH04		A	Plastic Tub 500g
1751940	AA204202		BH05		A	Amber Glass 250ml
1751940	AA204202		BH05		A	Plastic Tub 500g
1751941	AA204222		BH06		A	Amber Glass 250ml
1751941	AA204222		BH06		A	Plastic Tub 500g
1751942	AA204224		BH06		A	Amber Glass 250ml
1751942	AA204224		BH06		A	Plastic Tub 500g

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1751943	AA209208		BH07		A	Amber Glass 250ml
1751943	AA209208		BH07		A	Plastic Tub 500g
1751944	AA209209		BH07		A	Amber Glass 250ml
1751944	AA209209		BH07		A	Plastic Tub 500g
1751945	AA209210		BH07		A	Amber Glass 250ml
1751945	AA209210		BH07		A	Plastic Tub 500g
1751946	AA209201		BH08		A	Amber Glass 250ml
1751946	AA209201		BH08		A	Plastic Tub 500g
1751947	AA209203		BH08		A	Amber Glass 250ml
1751947	AA209203		BH08		A	Plastic Tub 500g
1751948	AA204230		BH09		A	Amber Glass 250ml
1751948	AA204230		BH09		A	Plastic Tub 500g
1751949	AA204231		BH09		A	Amber Glass 250ml
1751949	AA204231		BH09		A	Plastic Tub 500g
1751950	AA204238		BH10		A	Amber Glass 250ml
1751950	AA204238		BH10		A	Plastic Tub 500g
1751951	AA204239		BH10		A	Amber Glass 250ml
1751951	AA204239		BH10		A	Plastic Tub 500g
1751952	AA204244		BH11		A	Amber Glass 250ml
1751952	AA204244		BH11		A	Plastic Tub 500g
1751953	AA209223		BH12		A	Amber Glass 250ml
1751953	AA209223		BH12		A	Plastic Tub 500g

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1751954	AA209224		BH12		A	Amber Glass 250ml
1751954	AA209224		BH12		A	Plastic Tub 500g
1751955	AA209215		BH13		A	Amber Glass 250ml
1751955	AA209215		BH13		A	Plastic Tub 500g
1751956	AA209217		BH13		A	Amber Glass 250ml
1751956	AA209217		BH13		A	Plastic Tub 500g
1751957	AA196364		TP01		A	Amber Glass 250ml
1751957	AA196364		TP01		A	Plastic Tub 500g
1751958	AA196366		TP01		A	Amber Glass 250ml
1751958	AA196366		TP01		A	Plastic Tub 500g
1751959	AA196368		TP02		A	Amber Glass 250ml
1751959	AA196368		TP02		A	Plastic Tub 500g
1751960	AA196372		TP03		A	Amber Glass 250ml
1751960	AA196372		TP03		A	Plastic Tub 500g
1751961	AA196373		TP03		A	Amber Glass 250ml
1751961	AA196373		TP03		A	Plastic Tub 500g
1751962	AA196374		TP03		A	Amber Glass 250ml
1751962	AA196374		TP03		A	Plastic Tub 500g
1751963	AA196375		TP04		A	Amber Glass 250ml
1751963	AA196375		TP04		A	Plastic Tub 500g
1751964	AA196376		TP04		A	Amber Glass 250ml
1751964	AA196376		TP04		A	Plastic Tub 500g

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1751965	AA196378		TP05		A	Amber Glass 250ml
1751965	AA196378		TP05		A	Plastic Tub 500g
1751966	AA196379		TP05		A	Amber Glass 250ml
1751966	AA196379		TP05		A	Plastic Tub 500g
1751967	AA196380		TP05		A	Amber Glass 250ml
1751967	AA196380		TP05		A	Plastic Tub 500g
1751968	AA204940		TP06		A	Amber Glass 250ml
1751968	AA204940		TP06		A	Plastic Tub 500g
1751969	AA196397		TP07		A	Amber Glass 250ml
1751969	AA196397		TP07		A	Plastic Tub 500g
1751970	AA196398		TP07		A	Amber Glass 250ml
1751970	AA196398		TP07		A	Plastic Tub 500g
1751971	AA196392		TP08		A	Amber Glass 250ml
1751971	AA196392		TP08		A	Plastic Tub 500g
1751972	AA196388		TP09		A	Amber Glass 250ml
1751972	AA196388		TP09		A	Plastic Tub 500g
1751973	AA196389		TP09		A	Amber Glass 250ml
1751973	AA196389		TP09		A	Plastic Tub 500g
1751974	AA196390		TP09		A	Amber Glass 250ml
1751974	AA196390		TP09		A	Plastic Tub 500g
1751975	AA196386		TP11		A	Amber Glass 250ml
1751975	AA196386		TP11		A	Plastic Tub 500g

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1751976	AA196387		TP11		A	Amber Glass 250ml
1751976	AA196387		TP11		A	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
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 <37°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 measurememrnt 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
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
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

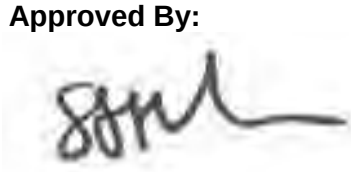
If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

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

Final Report

Report No.:	24-03994-1
Initial Date of Issue:	19-Feb-2024
Re-Issue Details:	
Client	IGSL
Client Address:	M7 Business Park Naas County Kildare Ireland
Contact(s):	Darren Keogh
Project	25000-2 Collins Avenue
Quotation No.:	Q20-21693
Order No.:	
No. of Samples:	8
Turnaround (Wkdays):	7
Date Approved:	19-Feb-2024
Approved By:	

Date Received:	09-Feb-2024
Date Instructed:	09-Feb-2024
Results Due:	19-Feb-2024



Details: Stuart Henderson, Technical Manager

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

Results - Leachate

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994	24-03994	24-03994	24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764863	1764865	1764868	1764869
Order No.:				Client Sample Ref.:		BH14	BH16	BH18	BH19
				Sample Type:		SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	0.50	1.00	1.00
				Date Sampled:		08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**				
Ammonium	U	1220	10:1	mg/l	0.050	0.32	< 0.050	0.20	0.11
Ammonium	N	1220	10:1	mg/kg	0.10	4.0	3.5	7.6	2.8

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994	24-03994	24-03994	24-03994	24-03994	24-03994	24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764863	1764864	1764865	1764866	1764867	1764868	1764869
Order No.:				Client Sample Ref.:		BH14	BH14	BH16	BH16	BH17	BH18	BH19
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	0.50	2.00	1.00	1.00	1.00
				Date Sampled:		08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-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	17	16	26	17	18	23	20
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones	Stones	Stones	Roots and Stones	Stones	Stones
Soil Texture		N	2040		N/A	Sand	Clay	Clay	Clay	Sand	Clay	Clay
pH at 20C		M	2010		4.0	8.6		8.9			8.7	8.9
pH (2.5:1) at 20C		N	2010		4.0		8.4		7.8	8.4		
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	< 0.40		0.49			0.51	< 0.40
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		0.015		< 0.010	0.015		
Total Sulphur		U	2175	%	0.010		0.041		0.017	0.029		
Sulphur (Elemental)		M	2180	mg/kg	1.0	4.3		27			69	4.7
Chloride (Water Soluble)		M	2220	g/l	0.010		0.046		0.49	0.17		
Nitrate (Water Soluble)		N	2220	g/l	0.010		< 0.010		0.021	< 0.010		
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	3.6		5.3			14	6.4
Ammonium (Water Soluble)		M	2220	g/l	0.01		< 0.01		< 0.01	< 0.01		
Sulphate (Total)		U	2430	%	0.010	0.15		0.16			0.14	0.094
Sulphate (Acid Soluble)		U	2430	%	0.010		0.037		0.028	0.034		
Arsenic		M	2455	mg/kg	0.5	17		17			12	19
Barium		M	2455	mg/kg	0	130		110			82	100
Cadmium		M	2455	mg/kg	0.10	3.1		2.8			1.7	2.9
Chromium		M	2455	mg/kg	0.5	26		33			24	30
Molybdenum		M	2455	mg/kg	0.5	7.1		5.1			4.2	5.2
Antimony		N	2455	mg/kg	2.0	2.4		2.1			< 2.0	2.2
Copper		M	2455	mg/kg	0.50	41		42			30	43
Mercury		M	2455	mg/kg	0.05	0.08		0.11			0.09	0.08
Nickel		M	2455	mg/kg	0.50	75		64			47	69
Lead		M	2455	mg/kg	0.50	35		35			30	37
Selenium		M	2455	mg/kg	0.25	3.1		1.9			2.1	3.4
Zinc		M	2455	mg/kg	0.50	130		120			93	120
Chromium (Trivalent)		N	2490	mg/kg	1.0	26		33			24	30
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

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994	24-03994	24-03994	24-03994	24-03994	24-03994	24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764863	1764864	1764865	1764866	1764867	1764868	1764869
Order No.:				Client Sample Ref.:		BH14	BH14	BH16	BH16	BH17	BH18	BH19
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	0.50	2.00	1.00	1.00	1.00
				Date Sampled:		08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM			DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	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
Aliphatic EPH >C10-C12 MC	EH_AL_2D_#1	M	2690	mg/kg	2.00	< 2.0		< 2.0			< 2.0	< 2.0
Aliphatic EPH >C12-C16 MC	EH_AL_2D_#1	M	2690	mg/kg	1.00	2.4		< 1.0			< 1.0	< 1.0
Aliphatic EPH >C16-C21 MC	EH_AL_2D_#1	M	2690	mg/kg	2.00	< 2.0		< 2.0			< 2.0	< 2.0
Aliphatic EPH >C21-C35 MC	EH_AL_2D_#1	M	2690	mg/kg	3.00	3.4		3.5			< 3.0	3.1
Aliphatic EPH >C35-C40 MC	EH_AL_2D_#1	N	2690	mg/kg	10.00	< 10		< 10			< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_AL_2D_#1	M	2690	mg/kg	5.00	7.9		< 5.0			< 5.0	< 5.0
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_AR_2D_#1	U	2690	mg/kg	1.00	< 1.0		< 1.0			< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	EH_AR_2D_#1	U	2690	mg/kg	1.00	< 1.0		< 1.0			< 1.0	< 1.0
Aromatic EPH >C16-C21 MC	EH_AR_2D_#1	U	2690	mg/kg	2.00	4.6		4.3			4.6	11
Aromatic EPH >C21-C35 MC	EH_AR_2D_#1	U	2690	mg/kg	2.00	3.6		< 2.0			< 2.0	< 2.0
Aromatic EPH >C35-C40 MC	EH_AR_2D_#1	N	2690	mg/kg	1.00	1.4		1.0			1.6	1.3
Total Aromatic EPH >C10-C35 MC	EH_AR_2D_#1	U	2690	mg/kg	5.00	8.2		5.8			5.5	11
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_Total_2D_#1	U	2690	mg/kg	10.00	16		10			< 10	15
Total Organic Carbon		M	2625	%	0.20	0.62		1.9			2.0	0.57
Mineral Oil EPH	EH_AL_2D_#1	N	2670	mg/kg	10	< 10		< 10			< 10	< 10
Benzene		M	2760	µg/kg	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
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	< 0.10		< 0.10			< 0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	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
Fluorene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Pyrene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Benzo[a]anthracene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Chrysene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994	24-03994	24-03994	24-03994	24-03994	24-03994	24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764863	1764864	1764865	1764866	1764867	1764868	1764869
Order No.:				Client Sample Ref.:		BH14	BH14	BH16	BH16	BH17	BH18	BH19
				Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):		1.00	2.00	0.50	2.00	1.00	1.00	1.00
				Date Sampled:		08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024	08-Feb-2024
				Asbestos Lab:		DURHAM		DURHAM			DURHAM	DURHAM
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**							
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	< 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	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 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	< 0.10
Coronene		N	2800	mg/kg	0.10	< 0.10		< 0.10			< 0.10	< 0.10
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	< 1.0		< 1.0			< 1.0	< 1.0
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
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	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

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764870
Order No.:				Client Sample Ref.:		BH19
				Sample Type:		SOIL
				Top Depth (m):		2.00
				Date Sampled:		08-Feb-2024
				Asbestos Lab:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
ACM Type		U	2192		N/A	
Asbestos Identification		U	2192		N/A	
Moisture		N	2030	%	0.020	15
Soil Colour		N	2040		N/A	Brown
Other Material		N	2040		N/A	Stones
Soil Texture		N	2040		N/A	Sand
pH at 20C		M	2010		4.0	
pH (2.5:1) at 20C		N	2010		4.0	8.5
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	
Magnesium (Water Soluble)		N	2120	g/l	0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.032
Total Sulphur		U	2175	%	0.010	0.027
Sulphur (Elemental)		M	2180	mg/kg	1.0	
Chloride (Water Soluble)		M	2220	g/l	0.010	0.14
Nitrate (Water Soluble)		N	2220	g/l	0.010	< 0.010
Cyanide (Total)		M	2300	mg/kg	0.50	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01
Sulphate (Total)		U	2430	%	0.010	
Sulphate (Acid Soluble)		U	2430	%	0.010	0.040
Arsenic		M	2455	mg/kg	0.5	
Barium		M	2455	mg/kg	0	
Cadmium		M	2455	mg/kg	0.10	
Chromium		M	2455	mg/kg	0.5	
Molybdenum		M	2455	mg/kg	0.5	
Antimony		N	2455	mg/kg	2.0	
Copper		M	2455	mg/kg	0.50	
Mercury		M	2455	mg/kg	0.05	
Nickel		M	2455	mg/kg	0.50	
Lead		M	2455	mg/kg	0.50	
Selenium		M	2455	mg/kg	0.25	
Zinc		M	2455	mg/kg	0.50	
Chromium (Trivalent)		N	2490	mg/kg	1.0	
Chromium (Hexavalent)		N	2490	mg/kg	0.50	
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764870
Order No.:				Client Sample Ref.:		BH19
				Sample Type:		SOIL
				Top Depth (m):		2.00
				Date Sampled:		08-Feb-2024
				Asbestos Lab:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	
Aliphatic EPH >C10-C12 MC	EH_AL_2D_#1	M	2690	mg/kg	2.00	
Aliphatic EPH >C12-C16 MC	EH_AL_2D_#1	M	2690	mg/kg	1.00	
Aliphatic EPH >C16-C21 MC	EH_AL_2D_#1	M	2690	mg/kg	2.00	
Aliphatic EPH >C21-C35 MC	EH_AL_2D_#1	M	2690	mg/kg	3.00	
Aliphatic EPH >C35-C40 MC	EH_AL_2D_#1	N	2690	mg/kg	10.00	
Total Aliphatic EPH >C10-C35 MC	EH_AL_2D_#1	M	2690	mg/kg	5.00	
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	
Aromatic EPH >C10-C12 MC	EH_AR_2D_#1	U	2690	mg/kg	1.00	
Aromatic EPH >C12-C16 MC	EH_AR_2D_#1	U	2690	mg/kg	1.00	
Aromatic EPH >C16-C21 MC	EH_AR_2D_#1	U	2690	mg/kg	2.00	
Aromatic EPH >C21-C35 MC	EH_AR_2D_#1	U	2690	mg/kg	2.00	
Aromatic EPH >C35-C40 MC	EH_AR_2D_#1	N	2690	mg/kg	1.00	
Total Aromatic EPH >C10-C35 MC	EH_AR_2D_#1	U	2690	mg/kg	5.00	
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	
Total EPH >C10-C35 MC	EH_Total_2D_#1	U	2690	mg/kg	10.00	
Total Organic Carbon		M	2625	%	0.20	
Mineral Oil EPH	EH_AL_2D_#1	N	2670	mg/kg	10	
Benzene		M	2760	µg/kg	1.0	
Toluene		M	2760	µg/kg	1.0	
Ethylbenzene		M	2760	µg/kg	1.0	
m & p-Xylene		M	2760	µg/kg	1.0	
o-Xylene		M	2760	µg/kg	1.0	
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	
Naphthalene		M	2800	mg/kg	0.10	
Acenaphthylene		N	2800	mg/kg	0.10	
Acenaphthene		M	2800	mg/kg	0.10	
Fluorene		M	2800	mg/kg	0.10	
Phenanthrene		M	2800	mg/kg	0.10	
Anthracene		M	2800	mg/kg	0.10	
Fluoranthene		M	2800	mg/kg	0.10	
Pyrene		M	2800	mg/kg	0.10	
Benzo[a]anthracene		M	2800	mg/kg	0.10	
Chrysene		M	2800	mg/kg	0.10	
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	

Results - Soil

Project: 25000-2 Collins Avenue

Client: IGSL				**Chemtest Job No.:**		24-03994
Quotation No.: Q20-21693				**Chemtest Sample ID.:**		1764870
Order No.:				Client Sample Ref.:		BH19
				Sample Type:		SOIL
				Top Depth (m):		2.00
				Date Sampled:		08-Feb-2024
				Asbestos Lab:		
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**	
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	
Benzo[a]pyrene		M	2800	mg/kg	0.10	
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	
Coronene		N	2800	mg/kg	0.10	
Total Of 17 PAH's Lower		N	2800	mg/kg	1.0	
PCB 28		U	2815	mg/kg	0.010	
PCB 52		U	2815	mg/kg	0.010	
PCB 101		U	2815	mg/kg	0.010	
PCB 118		U	2815	mg/kg	0.010	
PCB 153		U	2815	mg/kg	0.010	
PCB 138		U	2815	mg/kg	0.010	
PCB 180		U	2815	mg/kg	0.010	
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	
Total Phenols		M	2920	mg/kg	0.10	

Results - Single Stage WAC

Project: 25000-2 Collins Avenue

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-03994							
Chemtest Sample ID:	1764863							
Sample Ref:	BH14							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:	08-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	%	0.62	3	5	6
Loss On Ignition	2610		M	%	100	--	--	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						100	--	--
pH at 20C	2010		M		8.6	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.15	--	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	0.0073	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	0.0015	0.015	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.011	0.11	0.5	10	30
Nickel	1455		U	0.0011	0.011	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		U	0.0014	0.014	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.011	0.11	4	50	200
Chloride	1220		U	9.2	92	800	15000	25000
Fluoride	1220		U	0.33	3.3	10	150	500
Sulphate	1220		U	7.5	75	1000	20000	50000
Total Dissolved Solids	1020		N	85	840	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.8	< 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: 25000-2 Collins Avenue

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-03994							
Chemtest Sample ID:	1764865							
Sample Ref:	BH16							
Sample ID:								
Sample Location:								
Top Depth(m):	0.50							
Bottom Depth(m):								
Sampling Date:	08-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	%	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						100	--	--
pH at 20C	2010		M		8.9	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.085	--	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	0.012	0.12	20	100	300
Cadmium	1455		U	0.0012	0.012	0.04	1	5
Chromium	1455		U	0.010	0.10	0.5	10	70
Copper	1455		U	0.035	0.35	2	50	100
Mercury	1455		U	0.00006	0.00063	0.01	0.2	2
Molybdenum	1455		U	0.028	0.28	0.5	10	30
Nickel	1455		U	0.031	0.31	0.4	10	40
Lead	1455		U	0.020	0.20	0.5	10	50
Antimony	1455		U	0.0082	0.082	0.06	0.7	5
Selenium	1455		U	0.0063	0.063	0.1	0.5	7
Zinc	1455		U	0.10	1.0	4	50	200
Chloride	1220		U	82	820	800	15000	25000
Fluoride	1220		U	0.85	8.5	10	150	500
Sulphate	1220		U	42	420	1000	20000	50000
Total Dissolved Solids	1020		N	310	3100	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	16	160	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	26

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: 25000-2 Collins Avenue

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-03994							
Chemtest Sample ID:	1764868							
Sample Ref:	BH18							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:	08-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	%	3.1	--	--	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						100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.13	--	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	0.0039	0.039	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	0.0011	0.011	0.5	10	70
Copper	1455		U	0.0071	0.071	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.036	0.36	0.5	10	30
Nickel	1455		U	0.0033	0.033	0.4	10	40
Lead	1455		U	0.0015	0.015	0.5	10	50
Antimony	1455		U	0.0009	0.0092	0.06	0.7	5
Selenium	1455		U	0.0029	0.029	0.1	0.5	7
Zinc	1455		U	0.023	0.23	4	50	200
Chloride	1220		U	99	990	800	15000	25000
Fluoride	1220		U	0.51	5.1	10	150	500
Sulphate	1220		U	12	120	1000	20000	50000
Total Dissolved Solids	1020		N	320	3200	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 (%)	23

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: 25000-2 Collins Avenue

						Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	24-03994							
Chemtest Sample ID:	1764869							
Sample Ref:	BH19							
Sample ID:								
Sample Location:								
Top Depth(m):	1.00							
Bottom Depth(m):								
Sampling Date:	08-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	%	0.57	3	5	6
Loss On Ignition	2610		M	%	2.3	--	--	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						100	--	--
pH at 20C	2010		M		8.9	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.13	--	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	0.008	0.077	20	100	300
Cadmium	1455		U	0.00017	0.0017	0.04	1	5
Chromium	1455		U	0.0030	0.030	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	0.026	0.26	0.5	10	30
Nickel	1455		U	0.011	0.11	0.4	10	40
Lead	1455		U	0.0050	0.050	0.5	10	50
Antimony	1455		U	0.0013	0.013	0.06	0.7	5
Selenium	1455		U	0.0015	0.015	0.1	0.5	7
Zinc	1455		U	0.058	0.58	4	50	200
Chloride	1220		U	44	440	800	15000	25000
Fluoride	1220		U	0.56	5.6	10	150	500
Sulphate	1220		U	11	110	1000	20000	50000
Total Dissolved Solids	1020		N	150	1500	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	5.1	51	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.

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 <37°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	
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

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.

4N495-OFPHE-7IUB9

Job name

24-001-14 Collins Avenue

Description/Comments

31 No. Composite Samples from 17 No. Cable Percussion Boreholes and 10 No. Trial Pits.

Project

24-001-14

Site

Collins Avenue

Classified by

Name:
Austin Hynes
Date:
25 Mar 2024 16:35 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

Collins Avenue, Whitehall, Dublin 9 **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	BH01	1.00	Non Hazardous		3
2	BH02	1.00	Non Hazardous		6
3	BH03	0.50	Non Hazardous		9
4	BH04	0.50	Non Hazardous		12
5	BH05	1.00	Non Hazardous		15
6	BH06	0.50	Non Hazardous		18
7	BH07	0.50	Non Hazardous		21
8	BH07[2]	2.00	Non Hazardous		24
9	BH08	0.50	Non Hazardous		27
10	BH09	1.00	Non Hazardous		30
11	BH10	1.00	Non Hazardous		33
12	BH11	0.50	Non Hazardous		36
13	BH12	1.00	Non Hazardous		39
14	BH13	0.50	Non Hazardous		42
15	BH14	1.00	Non Hazardous		45
16	BH16	0.50	Non Hazardous		48
17	BH18	1.00	Non Hazardous		51
18	BH19	1.00	Non Hazardous		54
19	TP01	0.50	Non Hazardous		57
20	TP02	0.50	Non Hazardous		60
21	TP03	0.70	Non Hazardous		63
22	TP03[2]	1.50	Non Hazardous		66
23	TP04	0.80	Non Hazardous		69
24	TP05	0.40	Non Hazardous		72
25	TP05[2]	1.70	Non Hazardous		75
26	TP06	0.50	Non Hazardous		78
27	TP07	1.30	Non Hazardous		81
28	TP08	0.60	Non Hazardous		84
29	TP09	0.40	Non Hazardous		87
30	TP09[2]	1.60	Non Hazardous		90
31	TP11	0.80	Non Hazardous		93

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: 25 Mar 2024 16:35 GMT

Appendices	Page
Appendix A: Classifier defined and non EU CLP determinands	96
Appendix B: Rationale for selection of metal species	97
Appendix C: Version	98

Classification of sample: BH01

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

Sample details

Sample name:
BH01
Sample Depth:
1.00 m
Moisture content:
26%
(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: 26% 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		8.7	mg/kg	1.32	11.487	mg/kg	0.00115 %		
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		1.4	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		24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
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		21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
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		0.09	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		2.7	mg/kg	1.5	4.051	mg/kg	0.000405 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		33	mg/kg	2.976	98.217	mg/kg	0.00982 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.3	mg/kg	2.554	3.32	mg/kg	0.000332 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		84	mg/kg	1.245	104.556	mg/kg	0.0105 %		
14	TPH (C6 to C40) petroleum group			TPH		26	mg/kg		26	mg/kg	0.0026 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										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.: 0.0026%)

Classification of sample: BH02

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

Sample details

Sample name:
BH02
Sample Depth:
1.00 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 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.8 mg/kg	1.32	12.939 mg/kg	0.00129 %		
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		2.3 mg/kg	1.142	2.627 mg/kg	0.000263 %		
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		25 mg/kg	1.126	28.147 mg/kg	0.00281 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	26 mg/kg		26 mg/kg	0.0026 %		
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 %		
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		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		0.97 mg/kg	2.554	2.477 mg/kg	0.000248 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		69 mg/kg	1.245	85.885 mg/kg	0.00859 %		
14	TPH (C6 to C40) petroleum group			TPH		34 mg/kg		34 mg/kg	0.0034 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0358 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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.: 0.0034%)

Classification of sample: BH03

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

Sample details

Sample name:
BH03
Sample Depth:
0.50 m
Moisture content:
7.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.7 mg/kg	1.197	3.232 mg/kg	0.000323 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	<0.4 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		0.95 mg/kg	1.142	1.085 mg/kg	0.000109 %		
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		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	280 mg/kg		280 mg/kg	0.028 %		
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 %		
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		25 mg/kg	2.976	74.407 mg/kg	0.00744 %		
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 oxide }	030-013-00-7	215-222-5	1314-13-2		90 mg/kg	1.245	112.024 mg/kg	0.0112 %		
14	TPH (C6 to C40) petroleum group			TPH		36 mg/kg		36 mg/kg	0.0036 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0582 %		

Key	
	User 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.: 0.0036%)

Classification of sample: BH04

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

Sample details

Sample name:
BH04
Sample Depth:
0.50 m
Moisture content:
7.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.5% 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		6.7 mg/kg	1.197	8.021 mg/kg	0.000802 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		34 mg/kg	1.32	44.891 mg/kg	0.00449 %		
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		1.9 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		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		37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	300 mg/kg		300 mg/kg	0.03 %		
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		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
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		0.89 mg/kg	2.554	2.273 mg/kg	0.000227 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		330 mg/kg	1.245	410.756 mg/kg	0.0411 %		
14	TPH (C6 to C40) petroleum group			TPH		24 mg/kg		24 mg/kg	0.0024 %		

#		Determinand			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				0.0026	mg/kg		0.0026	mg/kg	0.00000026 %		
		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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0925 %		

Key	
	User 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.: 2.6e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0024%)

Classification of sample: BH05

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

Sample details

Sample name:
BH05
Sample Depth:
1.00 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		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	<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		3.4	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		27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
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		43	mg/kg	1.126	48.413	mg/kg	0.00484 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	36	mg/kg		36	mg/kg	0.0036 %		
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		6.2	mg/kg	1.5	9.301	mg/kg	0.00093 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		75	mg/kg	2.976	223.22	mg/kg	0.0223 %		
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		120	mg/kg	1.245	149.366	mg/kg	0.0149 %		
14	TPH (C6 to C40) petroleum group			TPH		36	mg/kg		36	mg/kg	0.0036 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0582 %		

Key	
	User 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.: 0.0036%)

Classification of sample: BH06

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

Sample details

Sample name:
BH06
Sample Depth:
0.50 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.5 mg/kg	1.197	2.993 mg/kg	0.000299 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
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		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		32 mg/kg	1.126	36.028 mg/kg	0.0036 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	92 mg/kg		92 mg/kg	0.0092 %		
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		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		36 mg/kg	2.976	107.146 mg/kg	0.0107 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.96 mg/kg	2.554	2.452 mg/kg	0.000245 %		
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		250 mg/kg		250 mg/kg	0.025 %		

#		Determinand			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				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			201-581-5	85-01-8									
26		anthracene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			204-371-1	120-12-7									
27		fluoranthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-912-4	206-44-0									
28		pyrene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.57	mg/kg		0.57	mg/kg	0.000057 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1	mg/kg		1	mg/kg	0.0001 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.94	mg/kg		0.94	mg/kg	0.000094 %		
		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				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		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:	0.0737 %		

Key	
	User 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.: 0.025%)

Classification of sample: BH07

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

Sample details

Sample name:
BH07
Sample Depth:
0.50 m
Moisture content:
10%
(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: 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		32 mg/kg	1.197	38.307 mg/kg	0.00383 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		40 mg/kg	1.32	52.813 mg/kg	0.00528 %		
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		3.3 mg/kg	1.142	3.77 mg/kg	0.000377 %		
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		270 mg/kg	1.126	303.99 mg/kg	0.0304 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	1600 mg/kg		1600 mg/kg	0.16 %		
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		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		36 mg/kg	2.976	107.146 mg/kg	0.0107 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.3 mg/kg	2.554	3.32 mg/kg	0.000332 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		460 mg/kg	1.245	572.568 mg/kg	0.0573 %		
14	TPH (C6 to C40) petroleum group			TPH		64 mg/kg		64 mg/kg	0.0064 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.278 %		

Key	
	User 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.: 0.0064%)

Classification of sample: BH07[2]

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

Sample details

Sample name:
BH07[2]
Sample Depth:
2.00 m
Moisture content:
16%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.6 mg/kg	1.197	5.507 mg/kg	0.000551 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
3	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		2.8 mg/kg	1.142	3.199 mg/kg	0.00032 %		
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		43 mg/kg	1.126	48.413 mg/kg	0.00484 %		
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		0.08 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		4.2 mg/kg	1.5	6.301 mg/kg	0.00063 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		55 mg/kg	2.976	163.695 mg/kg	0.0164 %		
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		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 }				<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:	0.0615 %		

Key	
	User 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.: 0.0041%)

Classification of sample: BH08

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

Sample details

Sample name:
BH08
Sample Depth:
0.50 m
Moisture content:
8.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<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		11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.41 mg/kg	3.22	1.32 mg/kg	0.000132 %		
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		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		44 mg/kg	1.126	49.539 mg/kg	0.00495 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	67 mg/kg		67 mg/kg	0.0067 %		
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		1.9 mg/kg	1.5	2.85 mg/kg	0.000285 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
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		200 mg/kg	1.245	248.943 mg/kg	0.0249 %		
14	TPH (C6 to C40) petroleum group			TPH		100 mg/kg		100 mg/kg	0.01 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
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				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			205-917-1	208-96-8									
23		acenaphthene				0.87	mg/kg		0.87	mg/kg	0.000087 %		
			201-469-6	83-32-9									
24		fluorene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
			201-695-5	86-73-7									
25		phenanthrene				5.3	mg/kg		5.3	mg/kg	0.00053 %		
			201-581-5	85-01-8									
26		anthracene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			204-371-1	120-12-7									
27		fluoranthene				13	mg/kg		13	mg/kg	0.0013 %		
			205-912-4	206-44-0									
28		pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				5.9	mg/kg		5.9	mg/kg	0.00059 %		
		601-033-00-9	200-280-6	56-55-3									
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				7.7	mg/kg		7.7	mg/kg	0.00077 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				6.3	mg/kg		6.3	mg/kg	0.00063 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
			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:	0.0665 %		

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 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: BH09

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

Sample details

Sample name:
BH09
Sample Depth:
1.00 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		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	<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		3.5 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		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		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	41 mg/kg		41 mg/kg	0.0041 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.11 mg/kg	1.353	0.149 mg/kg	0.0000149 %		
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		76 mg/kg	2.976	226.196 mg/kg	0.0226 %		
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		110 mg/kg	1.245	136.919 mg/kg	0.0137 %		
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 %		<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				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			205-912-4	206-44-0									
28		pyrene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			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:	0.0553 %		

Key	
	User 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.: 0.0027%)

Classification of sample: BH10

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

Sample details

Sample name:
BH10
Sample Depth:
1.00 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		2.8	mg/kg	1.197	3.352	mg/kg	0.000335 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21	mg/kg	1.32	27.727	mg/kg	0.00277 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.52	mg/kg	3.22	1.674	mg/kg	0.000167 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.2	mg/kg	1.142	2.513	mg/kg	0.000251 %		
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		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	45	mg/kg		45	mg/kg	0.0045 %		
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		6.1	mg/kg	1.5	9.151	mg/kg	0.000915 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		64	mg/kg	2.976	190.481	mg/kg	0.019 %		
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 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		34	mg/kg		34	mg/kg	0.0034 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0537 %		

Key	
	User 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.: 0.0034%)

Classification of sample: BH11

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

Sample details

Sample name:
BH11
Sample Depth:
0.50 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		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	1.6	mg/kg	3.22	5.152	mg/kg	0.000515 %		
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		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		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	59	mg/kg		59	mg/kg	0.0059 %		
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		2	mg/kg	1.5	3	mg/kg	0.0003 %		
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		0.84	mg/kg	2.554	2.145	mg/kg	0.000215 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		79	mg/kg	1.245	98.332	mg/kg	0.00983 %		
14	TPH (C6 to C40) petroleum group			TPH		58	mg/kg		58	mg/kg	0.0058 %		

#		Determinand			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				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			205-912-4	206-44-0									
28		pyrene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			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:	0.0387 %		

Key	
	User 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.: 0.0058%)

Classification of sample: BH12

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

Sample details

Sample name:
BH12
Sample Depth:
1.00 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		2.4	mg/kg	1.197	2.873	mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	0.81	mg/kg	3.22	2.608	mg/kg	0.000261 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		3.8	mg/kg	1.142	4.341	mg/kg	0.000434 %		
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		36	mg/kg	1.126	40.532	mg/kg	0.00405 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	62	mg/kg		62	mg/kg	0.0062 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.15	mg/kg	1.353	0.203	mg/kg	0.0000203 %		
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		68	mg/kg	2.976	202.386	mg/kg	0.0202 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.3	mg/kg	2.554	3.32	mg/kg	0.000332 %		
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		40	mg/kg		40	mg/kg	0.004 %		

#		Determinand			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				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			205-912-4	206-44-0									
28		pyrene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
			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:	0.0586 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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.: 0.004%)

Classification of sample: BH13

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

Sample details

Sample name:
BH13
Sample Depth:
0.50 m
Moisture content:
8.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.5% 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		4.2 mg/kg	1.197	5.028 mg/kg	0.000503 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
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		1.3 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		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		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	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		1.9 mg/kg	1.5	2.85 mg/kg	0.000285 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		27 mg/kg	2.976	80.359 mg/kg	0.00804 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.83 mg/kg	2.554	2.12 mg/kg	0.000212 %		
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		83 mg/kg		83 mg/kg	0.0083 %		

#		Determinand			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				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			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				0.37	mg/kg		0.37	mg/kg	0.000037 %		
			205-912-4	206-44-0									
28		pyrene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		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:	0.0624 %		

Key	
	User 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.: 0.0083%)

Classification of sample: BH14

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

Sample details

Sample name:
BH14
Sample Depth:
1.00 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		2.4 mg/kg	1.197	2.873 mg/kg	0.000287 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	<0.4 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		3.1 mg/kg	1.142	3.541 mg/kg	0.000354 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
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		41 mg/kg	1.126	46.161 mg/kg	0.00462 %		
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		0.08 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		7.1 mg/kg	1.5	10.651 mg/kg	0.00107 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		75 mg/kg	2.976	223.22 mg/kg	0.0223 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.1 mg/kg	2.554	7.917 mg/kg	0.000792 %		
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			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0573 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: BH16

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

Sample details

Sample name:
BH16
Sample Depth:
0.50 m
Moisture content:
26%
(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: 26% 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	0.49 mg/kg	3.22	1.578 mg/kg	0.000158 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.8 mg/kg	1.142	3.199 mg/kg	0.00032 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
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		42 mg/kg	1.126	47.287 mg/kg	0.00473 %		
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		0.11 mg/kg	1.353	0.149 mg/kg	0.0000149 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		5.1 mg/kg	1.5	7.651 mg/kg	0.000765 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		64 mg/kg	2.976	190.481 mg/kg	0.019 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.9 mg/kg	2.554	4.852 mg/kg	0.000485 %		
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		10 mg/kg		10 mg/kg	0.001 %		

#		Determinand	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		<0.1	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:	0.0527 %		

Key	
	User 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.: 0.001%)

Classification of sample: BH18

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

Sample details

Sample name:
BH18
Sample Depth:
1.00 m
Moisture content:
23%
(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: 23% 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	0.51	mg/kg	3.22	1.642	mg/kg	0.000164 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.7	mg/kg	1.142	1.942	mg/kg	0.000194 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
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	30	mg/kg		30	mg/kg	0.003 %		
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		4.2	mg/kg	1.5	6.301	mg/kg	0.00063 %		
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		2.1	mg/kg	2.554	5.363	mg/kg	0.000536 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		93	mg/kg	1.245	115.758	mg/kg	0.0116 %		
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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0402 %		

Key

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

Classification of sample: BH19

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

Sample details

Sample name:
BH19
Sample Depth:
1.00 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.2	mg/kg	1.197	2.634	mg/kg	0.000263 %		
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	<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		2.9	mg/kg	1.142	3.313	mg/kg	0.000331 %		
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		43	mg/kg	1.126	48.413	mg/kg	0.00484 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	37	mg/kg		37	mg/kg	0.0037 %		
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		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		69	mg/kg	2.976	205.362	mg/kg	0.0205 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.4	mg/kg	2.554	8.683	mg/kg	0.000868 %		
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		15	mg/kg		15	mg/kg	0.0015 %		

#		Determinand	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:	0.0552 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: TP01

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

Sample details

Sample name:
TP01
Sample Depth:
0.50 m
Moisture content:
7.7%
(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: 7.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		8.4 mg/kg	1.197	10.056 mg/kg	0.00101 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		33 mg/kg	1.32	43.571 mg/kg	0.00436 %		
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		1.9 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		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		64 mg/kg	1.126	72.057 mg/kg	0.00721 %		
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		0.08 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		2.1 mg/kg	1.5	3.15 mg/kg	0.000315 %		
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		1.3 mg/kg	2.554	3.32 mg/kg	0.000332 %		
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		39 mg/kg		39 mg/kg	0.0039 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0998 %		

Key	
	User 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.: 0.0039%)

Classification of sample: TP02

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

Sample details

Sample name:
TP02
Sample Depth:
0.50 m
Moisture content:
3.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.3 mg/kg	1.197	5.148 mg/kg	0.000515 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		31 mg/kg	1.32	40.93 mg/kg	0.00409 %		
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		1.5 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		9 mg/kg	1.462	13.154 mg/kg	0.00132 %		
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	120 mg/kg		120 mg/kg	0.012 %		
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		1.3 mg/kg	1.5	1.95 mg/kg	0.000195 %		
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		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		220 mg/kg	1.245	273.837 mg/kg	0.0274 %		
14	TPH (C6 to C40) petroleum group			TPH		42 mg/kg		42 mg/kg	0.0042 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0623 %		

Key	
	User 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.: 0.0042%)

Classification of sample: TP03

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

Sample details

Sample name:
TP03
Sample Depth:
0.70 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		32 mg/kg	1.197	38.307 mg/kg	0.00383 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		65 mg/kg	1.32	85.821 mg/kg	0.00858 %		
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		3.6 mg/kg	1.142	4.112 mg/kg	0.000411 %		
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		250 mg/kg	1.126	281.472 mg/kg	0.0281 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	2100 mg/kg		2100 mg/kg	0.21 %		
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.18 mg/kg	1.353	0.244 mg/kg	0.0000244 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.3 mg/kg	1.5	3.45 mg/kg	0.000345 %		
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		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		670 mg/kg	1.245	833.958 mg/kg	0.0834 %		
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 }				<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:	0.352 %		

Key	
	User 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.: 0.0029%)

Classification of sample: TP03[2]

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

Sample details

Sample name:
TP03[2]
Sample Depth:
1.50 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		6.4 mg/kg	1.32	8.45 mg/kg	0.000845 %		
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	11	0.69 mg/kg	3.22	2.222 mg/kg	0.000222 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.88 mg/kg	1.142	1.005 mg/kg	0.000101 %		
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		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	26 mg/kg		26 mg/kg	0.0026 %		
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		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		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		0.58 mg/kg	2.554	1.481 mg/kg	0.000148 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		67 mg/kg	1.245	83.396 mg/kg	0.00834 %		
14	TPH (C6 to C40) petroleum group			TPH		35 mg/kg		35 mg/kg	0.0035 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0288 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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.: 0.0035%)

Classification of sample: TP04

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

Sample details

Sample name:
TP04
Sample Depth:
0.80 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		2.9	mg/kg	1.197	3.472	mg/kg	0.000347 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	0.57	mg/kg	3.22	1.835	mg/kg	0.000184 %		
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		31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
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		38	mg/kg	1.126	42.784	mg/kg	0.00428 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	180	mg/kg		180	mg/kg	0.018 %		
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		1.7	mg/kg	1.5	2.55	mg/kg	0.000255 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		40	mg/kg	2.976	119.051	mg/kg	0.0119 %		
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 oxide }	030-013-00-7	215-222-5	1314-13-2		220	mg/kg	1.245	273.837	mg/kg	0.0274 %		
14	TPH (C6 to C40) petroleum group			TPH		220	mg/kg		220	mg/kg	0.022 %		

#		Determinand			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				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
			205-917-1	208-96-8									
23		acenaphthene				0.85	mg/kg		0.85	mg/kg	0.000085 %		
			201-469-6	83-32-9									
24		fluorene				0.79	mg/kg		0.79	mg/kg	0.000079 %		
			201-695-5	86-73-7									
25		phenanthrene				7.3	mg/kg		7.3	mg/kg	0.00073 %		
			201-581-5	85-01-8									
26		anthracene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			204-371-1	120-12-7									
27		fluoranthene				30	mg/kg		30	mg/kg	0.003 %		
			205-912-4	206-44-0									
28		pyrene				24	mg/kg		24	mg/kg	0.0024 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				16	mg/kg		16	mg/kg	0.0016 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				12	mg/kg		12	mg/kg	0.0012 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				21	mg/kg		21	mg/kg	0.0021 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				7.1	mg/kg		7.1	mg/kg	0.00071 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				19	mg/kg		19	mg/kg	0.0019 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				2	mg/kg		2	mg/kg	0.0002 %		
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				9.9	mg/kg		9.9	mg/kg	0.00099 %		
			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:	0.109 %		

Key	
	User 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: TP05

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

Sample details

Sample name:
TP05
Sample Depth:
0.40 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.2 mg/kg	1.197	5.028 mg/kg	0.000503 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	0.52 mg/kg	3.22	1.674 mg/kg	0.000167 %		
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		77 mg/kg	1.126	86.693 mg/kg	0.00867 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	96 mg/kg		96 mg/kg	0.0096 %		
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		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		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		1.1 mg/kg	2.554	2.809 mg/kg	0.000281 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		130 mg/kg	1.245	161.813 mg/kg	0.0162 %		
14	TPH (C6 to C40) petroleum group			TPH		92 mg/kg		92 mg/kg	0.0092 %		

#		Determinand			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				0.13	mg/kg		0.13	mg/kg	0.000013 %		
		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				0.17	mg/kg		0.17	mg/kg	0.000017 %		
			204-371-1	120-12-7									
27		fluoranthene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
			205-912-4	206-44-0									
28		pyrene				0.82	mg/kg		0.82	mg/kg	0.000082 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		601-032-00-3	200-028-5	50-32-8									
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				0.36	mg/kg		0.36	mg/kg	0.000036 %		
			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:	0.0657 %		

Key	
	User 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.: 0.0092%)

Classification of sample: TP05[2]

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

Sample details

Sample name:
TP05[2]
Sample Depth:
1.70 m
Moisture content:
8.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<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		9.3 mg/kg	1.32	12.279 mg/kg	0.00123 %		
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		1.9 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		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		24 mg/kg	1.126	27.021 mg/kg	0.0027 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	21 mg/kg		21 mg/kg	0.0021 %		
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		3.3 mg/kg	1.5	4.951 mg/kg	0.000495 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		40 mg/kg	2.976	119.051 mg/kg	0.0119 %		
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 oxide }	030-013-00-7	215-222-5	1314-13-2		73 mg/kg	1.245	90.864 mg/kg	0.00909 %		
14	TPH (C6 to C40) petroleum group			TPH		30 mg/kg		30 mg/kg	0.003 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0339 %		

Key	
	User 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: TP06

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

Sample details

Sample name:
TP06
Sample Depth:
0.50 m
Moisture content:
5.3%
(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: 5.3% 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		3.7 mg/kg	1.197	4.429 mg/kg	0.000443 %		
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	<0.4 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		0.75 mg/kg	1.142	0.857 mg/kg	0.0000857 %		
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		23 mg/kg	1.126	25.895 mg/kg	0.00259 %		
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		0.07 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		1 mg/kg	1.5	1.5 mg/kg	0.00015 %		
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		0.61 mg/kg	2.554	1.558 mg/kg	0.000156 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		86 mg/kg	1.245	107.045 mg/kg	0.0107 %		
14	TPH (C6 to C40) petroleum group			TPH		63 mg/kg		63 mg/kg	0.0063 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0422 %		

Key	
	User 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.: 0.0063%)

Classification of sample: TP07

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

Sample details

Sample name:
TP07
Sample Depth:
1.30 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 %		
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		0.97 mg/kg	1.142	1.108 mg/kg	0.000111 %		
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		21 mg/kg	1.126	23.644 mg/kg	0.00236 %		
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		0.25 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		2.4 mg/kg	1.5	3.6 mg/kg	0.00036 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		35 mg/kg	2.976	104.169 mg/kg	0.0104 %		
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.76 mg/kg	2.554	1.941 mg/kg	0.000194 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		98 mg/kg	1.245	121.982 mg/kg	0.0122 %		
14	TPH (C6 to C40) petroleum group			TPH		76 mg/kg		76 mg/kg	0.0076 %		

#		Determinand			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				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			201-581-5	85-01-8									
26		anthracene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			204-371-1	120-12-7									
27		fluoranthene				3.7	mg/kg		3.7	mg/kg	0.00037 %		
			205-912-4	206-44-0									
28		pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
29		benzo[a]anthracene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				2	mg/kg		2	mg/kg	0.0002 %		
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		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				<0.1	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:	0.0459 %		

Key	
	User 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.: 0.0076%)

Classification of sample: TP08

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

Sample details

Sample name:
TP08
Sample Depth:
0.60 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		3.4 mg/kg	1.197	4.07 mg/kg	0.000407 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	<0.4 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		0.74 mg/kg	1.142	0.845 mg/kg	0.0000845 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.5 mg/kg	1.462	10.962 mg/kg	0.0011 %		
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		27 mg/kg	1.126	30.399 mg/kg	0.00304 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	73 mg/kg		73 mg/kg	0.0073 %		
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		1.1 mg/kg	1.5	1.65 mg/kg	0.000165 %		
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		0.8 mg/kg	2.554	2.043 mg/kg	0.000204 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		96 mg/kg	1.245	119.493 mg/kg	0.0119 %		
14	TPH (C6 to C40) petroleum group			TPH		34 mg/kg		34 mg/kg	0.0034 %		

#		Determinand			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				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			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				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			205-912-4	206-44-0									
28		pyrene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			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:	0.0392 %		

Key	
	User 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.: 0.0034%)

Classification of sample: TP09

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

Sample details

Sample name:
TP09
Sample Depth:
0.40 m
Moisture content:
9.7%
(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: 9.7% 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		8.3 mg/kg	1.32	10.959 mg/kg	0.0011 %		
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		2 mg/kg	1.142	2.285 mg/kg	0.000228 %		
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		25 mg/kg	1.126	28.147 mg/kg	0.00281 %		
8	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	21 mg/kg		21 mg/kg	0.0021 %		
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		2.8 mg/kg	1.5	4.201 mg/kg	0.00042 %		
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		1.3 mg/kg	2.554	3.32 mg/kg	0.000332 %		
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		76 mg/kg	1.245	94.598 mg/kg	0.00946 %		
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 }				<0.5	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				0.19	mg/kg		0.19	mg/kg	0.000019 %		
			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				0.17	mg/kg		0.17	mg/kg	0.000017 %		
			205-912-4	206-44-0									
28		pyrene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
			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:	0.0423 %		

Key	
	User 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.: 0.013%)

Classification of sample: TP09[2]

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

Sample details

Sample name:
TP09[2]
Sample Depth:
1.60 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2	mg/kg	1.197	2.394	mg/kg	0.000239 %		
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	<0.4	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		2.2	mg/kg	1.142	2.513	mg/kg	0.000251 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
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		32	mg/kg	1.126	36.028	mg/kg	0.0036 %		
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		0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
10	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.8	mg/kg	1.5	4.201	mg/kg	0.00042 %		
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		56	mg/kg	2.976	166.671	mg/kg	0.0167 %		
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		98	mg/kg	1.245	121.982	mg/kg	0.0122 %		
14	TPH (C6 to C40) petroleum group			TPH		33	mg/kg		33	mg/kg	0.0033 %		

#		Determinand			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				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0457 %		

Key	
	User 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.: 0.0033%)

Classification of sample: TP11

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

Sample details

Sample name:
TP11
Sample Depth:
0.80 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		3.4 mg/kg	1.197	4.07 mg/kg	0.000407 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		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	1.6 mg/kg	3.22	5.152 mg/kg	0.000515 %		
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.5 mg/kg	1.142	2.856 mg/kg	0.000286 %		
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
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	87 mg/kg		87 mg/kg	0.0087 %		
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		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		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		2.1 mg/kg	2.554	5.363 mg/kg	0.000536 %		
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		61 mg/kg		61 mg/kg	0.0061 %		

#		Determinand			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				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			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				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			205-912-4	206-44-0									
28		pyrene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			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:	0.0646 %		

Key	
	User 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.: 0.0061%)

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 oxide}

Laboratory analysis shows that 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: 2024.80.5988.11077 (20 Mar 2024)
HazWasteOnline Database: 2024.80.5988.11077 (20 Mar 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