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# Waste Characterisation Assessment

**Basin View,**

**The Liberties,**

**Dublin 8**

**Prepared For: -**

IGSL Limited
Unit F
M7 Business Park
Naas
County Kildare

**Prepared By: -**

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

**March 2024**

| | | | | |
|---|---|---|---|---|
| Project | Waste Characterisation: Basin View, The Liberties, Dublin 8 | | | |
| Client | IGSL Limited | | | |
| Report No | Date | Status | Prepared By | Reviewed By |
| 240011101 | 20/03/2024 | Final | Austin Hynes PGeo MSc | Sean Moran B.Sc. MSc |
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**APPENDICES**

# 1 INTRODUCTION

IGSL Limited requested O'Callaghan Moran & Associates (OCM) to undertake a waste characterisation assessment of thirty (30 No.) samples of made and natural ground collected from twelve (12 No.) cable percussion boreholes and thirteen (13 No.) trial pits from a site at Basin View, The Liberties, Dublin 8.

## 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 January 2024 and included the collection of thirty (30 No.) samples of made and natural ground collected from twelve (12 No.) cable percussion boreholes and thirteen (13 No.) trial pits. The location of the samples is shown on DWG01 and DGW02. The logs are in Appendix 1.

There is topsoil at the surface of all locations with the exception of TP04 and TP08 which have Made Ground at the surface.

The Made Ground across the site ranges from 1.30-3.90m in thickness and is composed of sandy gravelly CLAY with cobble content. The Made Ground at the majority of locations contains non-natural material including red/yellow brick, plastic, concrete, glass and metal pieces.

The Made Ground at BH01 (1.60-3.10m), BH03, BH05, BH06, BH07, TP02, TP04, TP08, TP09, TP10, TP11, TP12 and TP13 contains non-natural material >2% of the soil matrix.

The Made Ground in the remaining locations contains non-natural material <2% of the soil matrix.

The Natural Ground across the site is composed of stiff to very stiff, sandy gravelly CLAY with some cobble and boulder content to depths greater than 6.00 mbgl.

#### 2.1.2 *Sample Collection*

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

#### 2.1.3 *Laboratory Analysis*

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

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

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

# 25000-4 - NDFA Social Housing Bundles 4/5 - Lot 4 - Basin View

Exploratory Hole Location Plan - DWG01


25000-4 - NDFA Social Housing
Bundles 4/5 - Lot 4 - Basin View
Exploratory Hole Location Plan - DWG02
Legend
Cable Percussion Borehole
Trial Pit incorporating Foundation Inspection Pit (FP_)
Slit Trench Extremity (x , y)
Soakaway Test (to BRE365)
Trial Pit
BH08
BH06
TP/FP06
BH07
ST03-1
ST03-0
TP07
TP/FP08
TP/FP09
SA02
BH09
ST06-0
ST06-1
TP10
BH10
TP11
ST07-0
ST07-1
BH11
TP13
BH12
BH13
TP12
N
70 m
Google Earth

## 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 |
|---|---|---|---|
| BH1 | 1.00 | Non-Hazardous | 17 05 04 |
| BH1 | 2.00 | Non-Hazardous | 17 09 04 |
| BH2 | 1.00 | Non-Hazardous | 17 05 04 |
| BH3 | 1.00 | Non-Hazardous | 17 09 04 |
| BH3 | 3.00 | Non-Hazardous | 17 05 04 |
| BH4 | 1.00 | Non-Hazardous | 17 05 04 |
| BH5 | 1.00 | Non-Hazardous | 17 09 04 |
| BH6 | 2.00 | Non-Hazardous | 17 09 04 |
| BH7 | 1.00 | Non-Hazardous | 17 09 04 |
| BH9 | 2.00 | Non-Hazardous | 17 05 04 |
| BH10 | 1.00 | Non-Hazardous | 17 05 04 |
| BH11 | 1.00 | Non-Hazardous | 17 05 04 |
| BH12 | 1.00 | Non-Hazardous | 17 05 04 |
| BH12 | 3.00 | Non-Hazardous | 17 05 04 |
| BH13 | 1.00 | Non-Hazardous | 17 05 04 |
| TP01 | 0.60 | Non-Hazardous | 17 05 04 |
| TP02 | 1.20 | Non-Hazardous | 17 09 04 |
| TP03 | 0.50 | Non-Hazardous | 17 05 04 |
| TP04 | 0.30 | Non-Hazardous | 17 09 04 |
| TP05 | 0.60 | Non-Hazardous | 17 05 04 |
| TP06 | 1.30 | Non-Hazardous | 17 05 04 |
| TP07 | 1.30 | Non-Hazardous | 17 05 04 |
| TP08 | 0.40 | Non-Hazardous | 17 09 04 |
| TP09 | 1.00 | Non-Hazardous | 17 09 04 |
| TP09 | 2.10 | Non-Hazardous | 17 09 04 |
| TP10 | 1.30 | Non-Hazardous | 17 09 04 |
| TP11 | 1.20 | Non-Hazardous | 17 09 04 |
| TP11 | 2.40 | Non-Hazardous | 17 05 04 |
| TP12 | 1.50 | Non-Hazardous | 17 09 04 |
| TP13 | 0.40 | Non-Hazardous | 17 05 04 |

Asbestos was detected at non-hazardous levels in BH9 (2.00m), BH12 (1.00m), BH13 (1.00m), TP04 (0.30m), TP05 (0.60m) and TP08 (0.40m).

Asbestos was not detected in any other of the samples tested.

The samples from BH1 (2.00m), BH3 (1.00m), BH5 (1.00m), BH6 (2.00m), BH7 (1.00m), TP02 (1.20m), TP04 (0.30m), TP08 (0.40m), TP09 (1.00m and 2.10m), TP10 (1.30m), TP11 (1.20m) and TP12 (1.50m) are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

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

## 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 BH1 (2.00m).

Sulphate exceeds the inert WAC for BH9 (2.00m) and BH12 (1.00m and 3.00m).

Dissolved Organic Carbon (DOC) exceeds the inert WAC increased limits for BH7 (1.00m).

Total Organic Carbon (TOC) exceeds the inert WAC for BH1 (1.00m), BH2 (1.00m), BH3 (1.00m), BH5 (1.00m), BH9 (2.00m), BH12 (1.00m), TP02 (1.20m), TP04 (0.30m), TP07 (1.30m) and TP11 (1.20m).

All other samples meet the inert WAC.

## Table 2.2 WAC Results

| Parameter | Unit | BH1 | BH1 | BH2 | BH3 | BH3 | BH4 | BH5 | BH6 | BH7 | BH9 | Inert Landfill | Inert Landfill Increased Limits | Non-Hazardous Landfill | Hazardous Landfill |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Depth** | **m** | **1.00** | **2.00** | **1.00** | **1.00** | **3.00** | **1.00** | **1.00** | **2.00** | **1.00** | **2.00** | | | | |
| | | | | | | | | | | | | | | | |
| **Antimony** | mg/kg | 0.029 | 0.074 | 0.016 | 0.016 | < 0.0050 | 0.041 | 0.024 | 0.015 | 0.012 | 0.0085 | 0.06 | 0.18 | 0.7 | 5 |
| **Arsenic** | mg/kg | 0.037 | 0.017 | 0.15 | 0.15 | 0.0028 | 0.042 | 0.19 | 0.034 | 0.031 | 0.044 | 0.5 | 1.5 | 2 | 25 |
| **Barium** | mg/kg | 0.088 | 0.36 | 0.073 | 0.067 | < 0.050 | 0.24 | < 0.050 | 0.14 | 0.058 | 0.15 | 20 | 20 | 100 | 300 |
| **Cadmium** | mg/kg | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | 0.04 | 0.04 | 1 | 5 |
| **Chromium** | mg/kg | 0.013 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 0.012 | 0.022 | < 0.0050 | < 0.0050 | < 0.0050 | 0.5 | 0.5 | 10 | 70 |
| **Copper** | mg/kg | 0.046 | 0.014 | 0.20 | 0.17 | 0.011 | 0.061 | 0.048 | 0.014 | 0.027 | 0.011 | 2 | 2 | 50 | 100 |
| **Lead** | mg/kg | 0.037 | 0.012 | 0.056 | 0.013 | < 0.0050 | 0.062 | 0.055 | 0.038 | 0.013 | < 0.0050 | 0.5 | 0.5 | 10 | 50 |
| **Molybdenum** | mg/kg | 0.011 | 0.14 | 0.12 | 0.11 | 0.13 | 0.052 | 0.083 | 0.052 | 0.029 | 0.019 | 0.5 | 1.5 | 10 | 30 |
| **Nickel** | mg/kg | 0.0062 | 0.0092 | 0.037 | 0.035 | < 0.0050 | 0.013 | 0.0088 | 0.0070 | 0.010 | 0.0059 | 0.4 | 0.4 | 10 | 40 |
| **Selenium** | mg/kg | < 0.0050 | 0.027 | 0.024 | 0.028 | < 0.0050 | 0.0083 | 0.0074 | 0.014 | < 0.0050 | 0.017 | 0.1 | 0.3 | 0.5 | 7 |
| **Zinc** | mg/kg | 0.14 | 0.049 | 0.11 | 0.14 | 0.036 | 0.072 | 0.051 | 0.071 | 0.044 | 0.050 | 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 | 1.8 | 2.4 | 6.7 | 7.6 | 2.0 | 2.2 | 2.7 | 1.1 | 1.0 | 2.2 | 10 | 10 | 150 | 500 |
| **Chloride** | mg/kg | 570 | < 10 | 30 | 27 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 800 | 2,400 | 15,000 | 25,000 |
| **Sulphate** | mg/kg | 71 | 1000 | 240 | 260 | 65 | 140 | 94 | 170 | 110 | 2400 | 1000* | 3,000 | 20000* | 50,000 |
| **DOC **** | mg/kg | 110 | 140 | 300 | 290 | 200 | 150 | 130 | 94 | 540 | 65 | 500 | 500 | 800 | 1,000 |
| **pH** | pH units | 8.3 | 8.0 | 9.2 | 9.2 | 8.8 | 8.6 | 9.7 | 8.6 | 8.4 | 7.7 | NE | NE | NE | NE |
| **TDS ***** | mg/kg | 520 | 2000 | 1300 | 1300 | 590 | 810 | 550 | 570 | 570 | 3100 | 4,000 | 12,000 | 60,000 | 100,000 |
| **TOC** | % | 3.5 | 2.9 | 3.1 | 3.1 | 1.1 | 2.3 | 3.2 | 1.3 | 2.8 | 4.8 | 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 | 150 | < 1.0 | 4.8 | 5.3 | < 1.0 | 74 | 8.1 | 24 | 7.1 | < 1.0 | NE | 100 | NE | NE |
| **Mineral Oil** | mg/kg | 23 | 32 | 12 | 21 | < 10 | 28 | 10 | 22 | < 10 | < 10 | 500 | 500 | NE | NE |
| **Asbestos** | % mass | NAD | NAD | NAD | NAD | NAD | NAD | NAD | NAD | NAD | 0.095 | 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 | BH10 | BH11 | BH12 | BH12 | BH13 | TP01 | TP02 | TP03 | TP04 | TP05 | Inert Landfill | Inert Landfill Increased Limits | Non-Hazardous Landfill | Hazardous Landfill |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Depth** | **m** | **1.00** | **1.00** | **1.00** | **3.00** | **1.00** | **0.60** | **1.20** | **0.50** | **0.30** | **0.60** | | | | |
| | | | | | | | | | | | | | | | |
| **Antimony** | mg/kg | 0.019 | < 0.0050 | 0.018 | 0.017 | < 0.0050 | < 0.0050 | < 0.0050 | 0.0095 | 0.0050 | 0.0052 | 0.06 | 0.18 | 0.7 | 5 |
| **Arsenic** | mg/kg | 0.078 | 0.0055 | 0.016 | 0.029 | 0.020 | 0.015 | 0.012 | 0.025 | 0.019 | 0.020 | 0.5 | 1.5 | 2 | 25 |
| **Barium** | mg/kg | < 0.050 | < 0.050 | 0.33 | 0.20 | < 0.050 | 0.059 | < 0.050 | 0.062 | < 0.050 | < 0.050 | 20 | 20 | 100 | 300 |
| **Cadmium** | mg/kg | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | 0.04 | 0.04 | 1 | 5 |
| **Chromium** | mg/kg | < 0.0050 | < 0.0050 | 0.026 | 0.011 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 0.5 | 0.5 | 10 | 70 |
| **Copper** | mg/kg | 0.042 | 0.016 | 0.017 | 0.013 | 0.028 | 0.044 | 0.031 | 0.052 | 0.030 | 0.026 | 2 | 2 | 50 | 100 |
| **Lead** | mg/kg | 0.022 | < 0.0050 | 0.039 | 0.014 | 0.017 | 0.013 | 0.010 | 0.015 | 0.0064 | 0.012 | 0.5 | 0.5 | 10 | 50 |
| **Molybdenum** | mg/kg | 0.060 | 0.0074 | 0.014 | 0.062 | 0.017 | 0.0096 | 0.0052 | 0.0082 | 0.0064 | 0.014 | 0.5 | 1.5 | 10 | 30 |
| **Nickel** | mg/kg | 0.014 | 0.0069 | < 0.0050 | < 0.0050 | 0.0091 | 0.021 | 0.0078 | 0.0075 | 0.0065 | 0.0073 | 0.4 | 0.4 | 10 | 40 |
| **Selenium** | mg/kg | 0.013 | 0.0062 | 0.0087 | 0.013 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 0.0074 | 0.1 | 0.3 | 0.5 | 7 |
| **Zinc** | mg/kg | 0.087 | 0.048 | 0.059 | 0.040 | 0.085 | 0.11 | 0.092 | 2.1 | 0.064 | 0.096 | 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 | 1.1 | < 1.0 | 1.4 | 1.4 | 1.2 | 1.2 | 1.2 | 1.9 | < 1.0 | 2.1 | 10 | 10 | 150 | 500 |
| **Chloride** | mg/kg | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 11 | < 10 | 800 | 2,400 | 15,000 | 25,000 |
| **Sulphate** | mg/kg | 160 | 19 | 1500 | 2700 | 55 | < 10 | 12 | < 10 | 26 | 11 | 1000* | 3,000 | 20000* | 50,000 |
| **DOC **** | mg/kg | 110 | 78 | 73 | < 50 | 82 | 110 | 86 | 150 | 82 | 99 | 500 | 500 | 800 | 1,000 |
| **pH** | pH units | 8.3 | 8.3 | 8.0 | 8.8 | 8.2 | 8.0 | 8.1 | 8.3 | 7.7 | 8.5 | NE | NE | NE | NE |
| **TDS ***** | mg/kg | 610 | 340 | 2300 | 3300 | 380 | 410 | 380 | 420 | 600 | 390 | 4,000 | 12,000 | 60,000 | 100,000 |
| **TOC** | % | 0.84 | 0.75 | 3.2 | 1.5 | 4.0 | 2.3 | 3.2 | 2.8 | 3.2 | 2.2 | 3 | 6 | NE | 6 |
| **Benzene** | mg/kg | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | 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 | 1.6 | < 1.0 | 30 | 2.4 | 8.3 | 9.1 | 11 | < 1.0 | NE | 100 | NE | NE |
| **Mineral Oil** | mg/kg | 12 | < 10 | < 10 | < 10 | 10 | < 10 | 11 | 12 | 16 | 22 | 500 | 500 | NE | NE |
| **Asbestos** | % mass | NAD | NAD | <0.001 | NAD | <0.001 | NAD | NAD | NAD | <0.001 | 0.008 | 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 | TP06 | TP07 | TP08 | TP09 | TP09 | TP10 | TP11 | TP11 | TP12 | TP13 | Inert Landfill | Inert Landfill Increased Limits | Non-Hazardous Landfill | Hazardous Landfill |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Depth** | **m** | **1.30** | **1.30** | **0.40** | **1.00** | **2.10** | **1.30** | **1.20** | **2.40** | **1.50** | **0.40** | | | | |
| | | | | | | | | | | | | | | | |
| **Antimony** | mg/kg | 0.012 | 0.0055 | 0.010 | < 0.0050 | < 0.0050 | < 0.0050 | 0.0054 | < 0.0050 | 0.012 | < 0.0050 | 0.06 | 0.18 | 0.7 | 5 |
| **Arsenic** | mg/kg | 0.019 | 0.021 | 0.023 | 0.013 | 0.018 | 0.022 | 0.020 | 0.0036 | 0.025 | 0.023 | 0.5 | 1.5 | 2 | 25 |
| **Barium** | mg/kg | 0.051 | 0.062 | 0.051 | 0.074 | 0.051 | < 0.050 | 0.053 | < 0.050 | 0.11 | < 0.050 | 20 | 20 | 100 | 300 |
| **Cadmium** | mg/kg | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | 0.04 | 0.04 | 1 | 5 |
| **Chromium** | mg/kg | 0.015 | 0.0068 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 0.011 | < 0.0050 | 0.5 | 0.5 | 10 | 70 |
| **Copper** | mg/kg | 0.017 | 0.018 | 0.037 | 0.011 | 0.020 | 0.021 | 0.037 | 0.013 | 0.022 | 0.025 | 2 | 2 | 50 | 100 |
| **Lead** | mg/kg | 0.016 | 0.014 | 0.013 | < 0.0050 | 0.0071 | 0.0076 | 0.0093 | < 0.0050 | 0.020 | 0.0075 | 0.5 | 0.5 | 10 | 50 |
| **Molybdenum** | mg/kg | 0.0042 | 0.011 | 0.0062 | 0.011 | 0.0062 | 0.011 | 0.0095 | 0.0037 | 0.0094 | 0.021 | 0.5 | 1.5 | 10 | 30 |
| **Nickel** | mg/kg | < 0.0050 | < 0.0050 | 0.0067 | < 0.0050 | 0.0065 | 0.0059 | 0.0065 | < 0.0050 | < 0.0050 | 0.0066 | 0.4 | 0.4 | 10 | 40 |
| **Selenium** | mg/kg | 0.0051 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 0.1 | 0.3 | 0.5 | 7 |
| **Zinc** | mg/kg | 0.082 | 0.047 | 0.065 | 0.076 | 0.087 | 0.083 | 0.048 | 0.078 | 0.077 | 0.083 | 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 | 1.1 | 1.1 | 1.3 | 1.0 | 2.1 | 1.8 | 1.5 | 1.1 | 1.4 | 1.4 | 10 | 10 | 150 | 500 |
| **Chloride** | mg/kg | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 800 | 2,400 | 15,000 | 25,000 |
| **Sulphate** | mg/kg | 77 | 25 | 22 | < 10 | < 10 | 33 | < 10 | 46 | 280 | 28 | 1000* | 3,000 | 20000* | 50,000 |
| **DOC **** | mg/kg | 92 | 86 | 91 | 82 | 100 | 100 | 100 | 60 | 95 | 96 | 500 | 500 | 800 | 1,000 |
| **pH** | pH units | 8.2 | 8.2 | 8.3 | 8.9 | 8.5 | 8.2 | 8.1 | 8.2 | 8.3 | 8.4 | NE | NE | NE | NE |
| **TDS ***** | mg/kg | 450 | 410 | 430 | 310 | 410 | 450 | 490 | 390 | 770 | 430 | 4,000 | 12,000 | 60,000 | 100,000 |
| **TOC** | % | 2.0 | 4.9 | 2.9 | 1.8 | 2.0 | 1.4 | 3.7 | 1.0 | 2.5 | 1.5 | 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 | 10 | 7.9 | < 1.0 | 4.9 | < 1.0 | < 1.0 | 12 | < 1.0 | 82 | < 1.0 | NE | 100 | NE | NE |
| **Mineral Oil** | mg/kg | < 10 | 22 | < 10 | < 10 | 10 | 19 | 12 | 11 | 17 | 20 | 500 | 500 | NE | NE |
| **Asbestos** | % mass | NAD | NAD | 0.018 | 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 2.3 and 2.4. 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 2.3 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 |

Material from this site is not suitable for removal to soil recovery facilities due to the nature of the Made Ground and the presence of PAH's seen in samples from across the site.

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 2.4.

**Table 2.4 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 |

Waste management options are summarised on Table 2.5. All are subject to approval of the waste management facility operators. 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. Class C-1 contain asbestos (< 0.001%) and are suitable for disposal to non-hazardous landfill authorized to accept such material outside the Republic of Ireland. Class C-2 contain asbestos (< 0.01%) and are suitable for disposal to non-hazardous landfill authorized to accept such material outside the Republic of Ireland. Class C-3 contain asbestos (< 0.1%) and are suitable for disposal to non-hazardous landfill authorized to accept such material outside the Republic of Ireland.

**Table 2.5 Waste Management Options**

| Sample No. | Depth | Classification | LoW Code | Category |
|---|---|---|---|---|
| BH1 | 1.00 | Non-Hazardous | 17 05 04 | C |
| BH1 | 2.00 | Non-Hazardous | 17 09 04 | B-2 |
| BH2 | 1.00 | Non-Hazardous | 17 05 04 | B-2 |
| BH3 | 1.00 | Non-Hazardous | 17 09 04 | B-2 |
| BH3 | 3.00 | Non-Hazardous | 17 05 04 | B-1 |
| BH4 | 1.00 | Non-Hazardous | 17 05 04 | B-1 |
| BH5 | 1.00 | Non-Hazardous | 17 09 04 | B-2 |
| BH6 | 2.00 | Non-Hazardous | 17 09 04 | B-1 |
| BH7 | 1.00 | Non-Hazardous | 17 09 04 | C |
| BH9 | 2.00 | Non-Hazardous | 17 05 04 | C-3 |
| BH10 | 1.00 | Non-Hazardous | 17 05 04 | B-1 |
| BH11 | 1.00 | Non-Hazardous | 17 05 04 | B-1 |
| BH12 | 1.00 | Non-Hazardous | 17 05 04 | C-1 |
| BH12 | 3.00 | Non-Hazardous | 17 05 04 | B-2 |
| BH13 | 1.00 | Non-Hazardous | 17 05 04 | C-1 |
| TP01 | 0.60 | Non-Hazardous | 17 05 04 | B-1 |
| TP02 | 1.20 | Non-Hazardous | 17 09 04 | B-2 |
| TP03 | 0.50 | Non-Hazardous | 17 05 04 | B-1 |
| TP04 | 0.30 | Non-Hazardous | 17 09 04 | C-1 |
| TP05 | 0.60 | Non-Hazardous | 17 05 04 | C-2 |
| TP06 | 1.30 | Non-Hazardous | 17 05 04 | B-1 |
| TP07 | 1.30 | Non-Hazardous | 17 05 04 | B-2 |
| TP08 | 0.40 | Non-Hazardous | 17 09 04 | C-3 |
| TP09 | 1.00 | Non-Hazardous | 17 09 04 | B-1 |
| TP09 | 2.10 | Non-Hazardous | 17 09 04 | B-1 |
| TP10 | 1.30 | Non-Hazardous | 17 09 04 | B-1 |
| TP11 | 1.20 | Non-Hazardous | 17 09 04 | B-2 |
| TP11 | 2.40 | Non-Hazardous | 17 05 04 | B-1 |
| TP12 | 1.50 | Non-Hazardous | 17 09 04 | B-1 |
| TP13 | 0.40 | Non-Hazardous | 17 05 04 | B-1 |

| | |
|---|---|
| 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 |
| C-1 | Meets Non-Haz. Contains Asbestos (< 0.001%). Suitable for disposal outside the Republic of Ireland |
| C-2 | Meets Non-Haz. Contains Asbestos (< 0.01%). Suitable for disposal outside the Republic of Ireland |
| C-3 | Meets Non-Haz. Contains Asbestos (< 0.1%). Suitable for disposal outside the Republic of Ireland |

# 3 CONCLUSIONS AND RECOMMENDATIONS

## 3.1 Conclusions

### 3.1.1 *Waste Classification*

Asbestos was detected at non-hazardous levels in BH9 (2.00m), BH12 (1.00m), BH13 (1.00m), TP04 (0.30m), TP05 (0.60m) and TP08 (0.40m).

Asbestos was not detected in any other of the samples tested.

The samples from BH1 (2.00m), BH3 (1.00m), BH5 (1.00m), BH6 (2.00m), BH7 (1.00m), TP02 (1.20m), TP04 (0.30m), TP08 (0.40m), TP09 (1.00m and 2.10m), TP10 (1.30m), TP11 (1.20m) and TP12 (1.50m) are classified as non-hazardous and the appropriate List of Waste Code is 17 09 04 (Construction and Demolition Waste other than those mentioned in 17 09 03*).

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

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** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP01** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,766.42 E<br>733,779.72 N |
| | | **DATE STARTED** | 19/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.03 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| MADE GROUND comprising greyish brown sandy gravely Clay/Silt with a low cobble content. Cobbles are subangular to subrounded. Gravel is subangular to subrounded medium to coarse. Sand is fine to coarse | | 0.30 | 19.73 | | AA210349 | B | 0.60-0.60 | | |
| 1.0 Pit ended on obstruction at 1.0m<br>End of Trial Pit at 1.00m | | 1.00 | 19.03 | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP02** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,776.61 E<br>733,762.67 N |
| | | **DATE STARTED** | 19/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.17 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| | | 0.20 | 19.97 | | | | | | |
| MADE GROUND comprising (Loose) blue grey sandy Gravel. Gravel is angular to subangular medium. Sand is fine. | | | | | AA210351 | B | 0.30-0.30 | | |
| | | 0.40 | 19.77 | | | | | | |
| MADE GROUND comprising grey silty sandy Gravel with a low cobble and boulder content and abundant red brick fragments. Cobble and boulders are angular to sub rounded (up to 450mm). Gravel is fine to medium subangular to subrounded. Sand is fine. | | | | | | | | | |
| 1.0 | | | | | AA210352 | B | 1.20-1.20 | | |
| | | 1.40 | 18.77 | | | | | | |
| Pit ended on obstruction at 1.40m<br>End of Trial Pit at 1.40m | | | | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP03** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,748.16 E<br>733,761.61 N |
| | | **DATE STARTED** | 19/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.35 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| MADE GROUND comprising Greyish brown sandy gravely Clay/Silt with a low cobble content. Cobbles are subangular to subrounded. Gravel is subangular to subrounded medium to coarse. Sand is fine to coarse | | 0.35 | 20.00 | | AA210350 | B | 0.50-0.50 | | |
| Pit ended on obstruction at 0.90m<br>End of Trial Pit at 0.90m | | 0.90 | 19.45 | | | | | | |
| 1.0 | | | | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP04** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,759.24 E<br>733,742.36 N |
| | | **DATE STARTED** | 19/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 19.72 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| | Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | MADE GROUND comprising greyish brown sandy silty gravelly CLAY with a low cobble and boulder content and bricks, concrete, glass and plastic bags. Cobbles and boulders are angular to subrounded (up to 400mm). Gravel is subangular medium. Sand is fine to medium. | | | | | AA210348 | B | 0.30-0.30 | | |
| | Pit ended on obstruction at 0.40m - Buried pipework obstructing dig<br>End of Trial Pit at 0.40m | | 0.40 | 19.32 | | | | | | |
| 1.0 | | | | | | | | | | |
| 2.0 | | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP05** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,830.23 E<br>733,767.50 N |
| | | **DATE STARTED** | 19/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.30 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| MADE GROUND comprising grey clayey/silty sandy Gravel with a low cobble and boulder content. Cobble and boulders are angular to subrounded (up to 450mm). Gravel is subangular to subrounded fine to medium. Sand is fine. | | 0.20 | 20.10 | | AA210353 | B | 0.60-0.60 | | |
| 1.0 | | | | | | | | | |
| Pit ended on obstruction at 1.40m<br>End of Trial Pit at 1.40m | | 1.40 | 18.90 | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP06** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,803.38 E<br>733,730.82 N |
| | | **DATE STARTED** | 22/01/2024 |
| | | **DATE COMPLETED** | 22/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.03 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | AA210360 | B | 0.20-0.20 | | |
| MADE GROUND comprising (Loose) grey clayey gravelly Sand with a medium cobble and boulder content and occasional red and yellow brick fragment. Boulders and cobbles are angular to subangular (up to 800mm). Gravel is angular to subangular medium to coarse. Sand is fine to coarse. | | 0.30 | 19.73 | | | | | | |
| 1.0 | | | | | AA210361 | B | 1.30-1.30 | | |
| End of Trial Pit at 0.60m | | 1.50 | 18.53 | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Side wall collapse

**General Remarks**
Hole terminated due to obstruction / boulders

IGSL TP LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP07** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,752.88 E<br>733,715.38 N |
| | | **DATE STARTED** | 18/01/2024 |
| | | **DATE COMPLETED** | 18/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 21.20 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | AA210339 | B | 0.20-0.20 | | |
| MADE GROUND comprising greyish brown sandy gravelly Clay with a low cobble and boulder content (up to 450mm) with rare glass, red brick, concrete and nails. Gravel is subangular to subrounded medium to coarse. Sand is coarse to fine. | | 0.30 | 20.90 | | | | | | |
| 1.0 | | | | | AA210340 | B | 1.30-1.30 | | |
| Firm brown sandy gravelly Clay with a low cobble content (Possible MADE GROUND) | | 1.50 | 19.70 | | | | | | |
| 2.0 | | | | | | | | | |
| End of Trial Pit at 2.20m | | 2.20 | 19.00 | | AA210341 | B | 2.20-2.20 | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP08** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,769.18 E<br>733,704.58 N |
| | | **DATE STARTED** | 22/01/2024 |
| | | **DATE COMPLETED** | 22/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.10 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0<br>MADE GROUND comprsied of greyish brown sandy silty gravelly CLAY with a low cobble and boulder content with bricks, concrete, glass and plastic bags. Cobbles and boulders are angular to subrounded (up to 400mm). Gravel is subangular medium. Sand is fine to medium. | | | | | AA210362 | B | 0.40-0.40 | | |
| | | 0.60 | 19.50 | | | | | | |
| Pit ended on obstruction at 0.60m<br>End of Trial Pit at 0.60m | | | | | | | | | |
| 1.0 | | | | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

IGSL TP LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP09** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,810.69 E<br>733,694.28 N |
| | | **DATE STARTED** | 22/01/2024 |
| | | **DATE COMPLETED** | 22/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.23 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | AA210354 | B | 0.10-0.10 | | |
| MADE GROUND comprising (Medium dense) silty sandy Gravel with glass, rubbish, red brick and concrete rubble. Gravel is rounded to subrounded fine to medium. Sand is fine to coarse. | | 0.20 | 20.03 | | | | | | |
| 1.0 | | | | | AA210355 | B | 1.00-1.00 | | |
| 2.0 | | | | | AA210356 | B | 2.10-2.10 | | |
| End of Trial Pit at 2.20m | | 2.20 | 18.03 | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP10** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,839.08 E<br>733,687.65 N |
| | | **DATE STARTED** | 22/01/2024 |
| | | **DATE COMPLETED** | 22/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.14 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | AA210357 | B | 0.20-0.20 | | |
| MADE GROUND comprising Greyish brown sandy gravelly Clay with a low cobble and boulder content (up to 450mm) with glass, red brick, concrete and nails. Gravel is subangular to subrounded medium to coarse. Sand is fine to coarse. | | 0.40 | 19.74 | | | | | | |
| 1.0 | | | | | AA210358 | B | 1.30-1.30 | | |
| Soft to firm greyish brown sandy gravelly CLAY with a low cobble and boulder content (up to 300mm). Cobbles and boulders are suborunded. Gravel is subangular to subrounded medium to coarse. Sand is fine to medium | | 1.40 | 18.74 | 1 (Seepage) | | | | | |
| 2.0 | | | | | AA210359 | B | 2.10-2.10 | | |
| End of Trial Pit at 2.50m | | 2.50 | 17.64 | | | | | | |

**Groundwater Conditions**
Seepage at 1.9m

**Stability**
Good

**General Remarks**

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP11** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,770.32 E<br>733,671.65 N |
| | | **DATE STARTED** | 18/01/2024 |
| | | **DATE COMPLETED** | 18/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 21.18 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | AA210342 | B | 0.20-0.20 | | |
| MADE GROUND comprising soft to firm greyish brown sandy gravelly Clay with a low cobble and boulder content (up to 450mm) and with glass, red brick, concrete and nails. Gravel is subangular to subrounded medium to coarse. Sand is fine to coarse. | | 0.30 | 20.88 | | | | | | |
| 1.0 | | | | | AA210343 | B | 1.20-1.20 | | |
| Soft to firm and firm greyish brown sandy gravelly Clay with a low cobble content (Possible MADE GROUND) | | 1.30 | 19.88 | | | | | | |
| 2.0 | | | | | AA210344 | B | 2.40-2.40 | | |
| End of Trial Pit at 2.60m | | 2.60 | 18.58 | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**

IGSL TP LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP12** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,799.26 E<br>733,633.66 N |
| | | **DATE STARTED** | 18/01/2024 |
| | | **DATE COMPLETED** | 18/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.38 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| MADE GROUND comprising (Loose) greyish brown silty gravelly Sand with a low cobble content, steel pipe fragments, red bricks and concrete. Cobbles are angular to subrounded. Gravel is fine to medium. Sand is medium to coarse. | | 0.25 | 20.13 | | AA210345 | B | 0.20-0.20 | | |
| 1.0 | | | | | AA210346 | B | 1.50-1.50 | | |
| Pit ended on obstruction at 1.70m<br>End of Trial Pit at 1.70m | | 1.70 | 18.68 | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# TRIAL PIT RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **TRIAL PIT NO.** | **TP13** |
| | | **SHEET** | Sheet 1 of 1 |
| **LOGGED BY** | PN | **CO-ORDINATES** | 713,841.71 E<br>733,644.68 N |
| | | **DATE STARTED** | 18/01/2024 |
| | | **DATE COMPLETED** | 18/01/2024 |
| **CLIENT** | NDFA | **GROUND LEVEL (m)** | 20.37 |
| **ENGINEER** | MORCE | **EXCAVATION METHOD** | Midi Tracked Excavator |

| Geotechnical Description | Legend | Depth (m) | Elevation | Water Strike | Samples: Sample Ref | Samples: Type | Samples: Depth | Vane Test (KPa) | Hand Penetrometer (KPa) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 TOPSOIL | | | | | | | | | |
| MADE GROUND comprising brown silty gravelly Sand with a low cobble and boulder content (up to 400mm). Gravel is subangular to subrounded medium to coarse. Sand is medium. | | 0.25 | 20.12 | | AA210347 | B | 0.40-0.40 | | |
| Pit ended on obstruction at 0.60m - Boulders and possible concrete<br>End of Trial Pit at 0.60m | | 0.60 | 19.77 | | | | | | |
| 1.0 | | | | | | | | | |
| 2.0 | | | | | | | | | |

**Groundwater Conditions**

**Stability**
Good

**General Remarks**
Hole terminated due to obstruction / boulders

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

**CONTRACT** NDFA Social Housing Bundles 4/5 - Lot 4- Basin View

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

**CO-ORDINATES** 713,749.89 E, 733,773.50 N
**GROUND LEVEL (mOD)** 20.11

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

**DATE COMMENCED** 17/01/2024
**DATE COMPLETED** 18/01/2024

**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 | TOPSOIL | | 20.01 | 0.10 | | | | | | |
| | MADE GROUND comprising brown sandy slightly gravelly SILT/CLAY. Gravel is fine. | | 19.61 | 0.50 | AA210276 | B | 0.50 | | | |
| 1 | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with occasional cobbles/boulders and red brick fragments. | | | | AA210277 | B | 1.00 | | N = 8 (0, 2, 2, 2, 2, 2) | |
| | | | 18.51 | 1.60 | | | | | | |
| 2 | MADE GROUND comprising grey/white sandy gravelly SILT/CLAY with cobbles, concrete, red and white brick fragments. | | | | AA210278 | B | 2.00 | | N = 21 (7, 5, 5, 5, 5, 6) | |
| 3 | | | 17.01 | 3.10 | AA210279 | B | 3.00 | | N = 34 (5, 6, 8, 8, 9, 9) | |
| | Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders | | | | | | | | | |
| 4 | | | | | AA210280 | B | 4.00 | | N = 52 (8, 10, 10, 15, 15, 12) | |
| 5 | | | | | AA210281 | B | 5.00 | | N = 64 (9, 7, 14, 16, 17, 17) | |
| 6 | | | | | AA210282 | B | 6.00 | | N = 50/150 mm (15, 10, 20, 30) | |
| | | | 13.81 | 6.30 | | | | | | |
| | Obstruction<br>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 | |
| 6.20 | 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** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

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# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH02** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,776.56 E<br>733,782.87 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.20 | **BOREHOLE DEPTH (m)** | 4.10 |
| | | **DATE COMMENCED** | 18/01/2024 |
| | | **DATE COMPLETED** | 19/01/2024 |
| **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 | TOPSOIL | | 20.10 | 0.10 | | | | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY | | 19.60 | 0.60 | AA210283 | B | 0.50 | | | |
| | Large BOULDER | | 19.40 | 0.80 | | | | | | |
| 1 | MADE GROUND comprising brown sandy gravelly SILT/CLAY with cobbles, boulders and red/white brick fragments | | | | AA210284 | B | 1.00 | | N = 50/75 mm (25, 50) | |
| 2 | | | | | AA210285 | B | 2.00 | | N = 50/75 mm (14, 11, 50) | |
| | | | 17.60 | 2.60 | | | | | | |
| 3 | Very stiff dark grey/black sandy silty gravelly CLAY with some cobbles and occasional boulders | | | | AA210286 | B | 3.00 | | N = 51 (8, 15, 15, 10, 10, 16) | |
| 4 | | | 16.10 | 4.10 | AA210287 | B | 4.00 | | N = 50/75 mm (25, 50) | |
| | Obstruction<br>End of Borehole at 4.10 m | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 2.80 | 3.00 | 1 | |
| 4.00 | 4.10 | 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** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

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# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH03** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,827.35 E<br>733,792.51 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.40 | **BOREHOLE DEPTH (m)** | 6.00 |
| | | **DATE COMMENCED** | 17/01/2024 |
| | | **DATE COMPLETED** | 18/01/2024 |
| **CLIENT** | NDFA | **SPT HAMMER REF. NO.** | SA7 |
| **ENGINEER** | MORCE | **ENERGY RATIO (%)** | 74.07 |
| | | **BORED BY** | WB |
| | | **PROCESSED BY** | FC |

| Depth (m) | Description | Legend | Elevation | Depth (m) | Samples: Ref. Number | Sample Type | Depth (m) | Recovery | Field Test Results | Standpipe Details |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | TOPSOIL | | 20.20 | 0.20 | | | | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY with root fibres | | 19.70 | 0.70 | | | | | | |
| 1 | MADE GROUND comprising brown sandy gravelly CLAY with plastic pieces and red brick fragments | | 18.60 | 1.80 | AA198339 | B | 1.00 | | N = 12 (2, 3, 4, 2, 3, 3) | |
| 2 | MADE GROUND comprising brown sandy gravelly SILT/CLAY with occasional cobbles and some root fibres | | 16.50 | 3.90 | AA198340 | B | 2.00 | | N = 9 (2, 2, 2, 3, 2, 2) | |
| 3 | | | | | AA198341 | B | 3.00 | | N = 11 (1, 1, 2, 2, 4, 3) | |
| 4 | Dense grey/brown very sandy GRAVEL (Possibly very gravelly Sand) | | 16.10 | 4.30 | AA198342 | B | 4.00 | | N = 37 (2, 4, 5, 9, 11, 12) | |
| | Very stiff black sandy gravelly CLAY with occasional cobbles | | | | | | | | | |
| 5 | | | | | AA198343 | B | 5.00 | | N = 64 (5, 12, 14, 19, 17, 14) | |
| 6 | Obstruction<br>End of Borehole at 6.00 m | | 14.40 | 6.00 | AA198344 | B | 6.00 | | N = 50/75 mm (25, 50) | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 5.80 | 6.00 | 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 |
|---|---|---|---|---|
| 18-01-24 | 6.00 | Nil | 4.00 | End of BH |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

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# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH04** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,753.39 E<br>733,754.46 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.34 | **BOREHOLE DEPTH (m)** | 6.30 |
| | | **DATE COMMENCED** | 15/01/2024 |
| | | **DATE COMPLETED** | 16/01/2024 |
| **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 | TOPSOIL | | 20.24 | 0.10 | | | | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY | | 19.54 | 0.80 | AA210269 | B | 0.50 | | | |
| | Large BOULDER | | 19.34 | 1.00 | | | | | | |
| 1 | MADE GROUND comprising brown sandy gravelly SILT/CLAY with cobbles and red brick fragments | | 18.64 | 1.70 | AA210270 | B | 1.00 | | N = 16<br>(0, 2, 3, 4, 4, 5) | |
| 2 | Firm grey sandy gravelly SILT/CLAY with occasional cobbles | | | | AA210271 | B | 2.00 | | N = 50/75 mm<br>(25, 50) | |
| 3 | | | | | AA210272 | B | 3.00 | | N = 11<br>(1, 2, 2, 4, 3, 2) | |
| | | | 16.74 | 3.60 | | | | | | |
| 4 | Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders | | | | AA210273 | B | 4.00 | | N = 64<br>(7, 8, 14, 15, 16, 19) | |
| 5 | | | | | AA210274 | B | 5.00 | | N = 49<br>(7, 10, 12, 12, 13, 12) | |
| 6 | | | | | AA210275 | B | 6.00 | | N = 50/150 mm<br>(11, 14, 34, 16) | |
| | | | 14.04 | 6.30 | | | | | | |
| | Obstruction<br>End of Borehole at 6.30 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 2.00 | 2.40 | 0.75 | |
| 3.00 | 3.20 | 1 | |
| 6.20 | 6.30 | 1.5 | |

**WATER STRIKE DETAILS**

| Water Strike | Casing Depth | Sealed At | Rise To | Time (min) | Comments |
|---|---|---|---|---|---|
| 4.00 | 4.00 | No | No | 20 | Seepage |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| | | | | |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

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# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

**CONTRACT** NDFA Social Housing Bundles 4/5 - Lot 4- Basin View

**BOREHOLE NO.** BH05
**SHEET** Sheet 1 of 1

**CO-ORDINATES** 713,832.52 E, 733,771.44 N
**GROUND LEVEL (mOD)** 20.31

**RIG TYPE** Dando 2000
**BOREHOLE DIAMETER (mm)** 200
**BOREHOLE DEPTH (m)** 5.50

**DATE COMMENCED** 16/01/2024
**DATE COMPLETED** 16/01/2024

**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 | Samples: Sample Type | Samples: Depth (m) | Samples: Recovery | Field Test Results | Standpipe Details |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | TOPSOIL | | 20.11 | 0.20 | | | | | | |
| | MADE GROUND comprising brown sandy slightly gravelly SILT/CLAY | | 19.81 | 0.50 | | | | | | |
| 1 | MADE GROUND comprising brown sandy gravelly CLAY with cobbles, concrete pieces and red brick fragments | | 18.41 | 1.90 | AA198354 | B | 1.00 | | N = 9 (2, 2, 3, 2, 2, 2) | |
| 2 | Soft to firm brown sandy gravelly SILT/CLAY with occasional cobbles | | | | AA198355 | B | 2.00 | | N = 9 (2, 2, 2, 2, 3, 2) | |
| 3 | | | | | AA198356 | B | 3.00 | | N = 11 (1, 1, 1, 2, 3, 5) | |
| | | | 16.71 | 3.60 | | | | | | |
| 4 | Very stiff black sandy gravelly CLAY with some cobbles | | | | AA198357 | B | 4.00 | | N = 37 (2, 3, 9, 7, 10, 11) | |
| 5 | | | | | AA198358 | B | 5.00 | | N = 44 (5, 7, 10, 10, 10, 14) | |
| | | | 14.81 | 5.50 | | | | | N = 50/75 mm (25, 50) | |
| | Obstruction<br>End of Borehole at 5.50 m | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 5.30 | 5.50 | 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** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

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# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH06** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,787.42 E<br>733,728.91 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.16 | **BOREHOLE DEPTH (m)** | 6.20 |
| | | **DATE COMMENCED** | 08/02/2024 |
| | | **DATE COMPLETED** | 09/02/2024 |
| **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 | TOPSOIL | | 20.06 | 0.10 | | | | | | |
| | MADE GROUND comprising light brown sandy gravelly SILT/CLAY | | 19.86 | 0.30 | | | | | | |
| 1 | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with yellow and red brick fragments and large cobbles throughout | | | | AA220290 | B | 1.00 | | N = 7<br>(0, 1, 1, 2, 2, 2) | |
| 2 | | | | | AA220291 | B | 2.00 | | N = 11<br>(2, 2, 2, 3, 2, 4) | |
| | | | 17.16 | 3.00 | | | | | | |
| 3 | Stiff grey sandy gravelly SILT/CLAY with occasional cobbles | | | | AA220292 | B | 3.00 | | N = 22<br>(2, 4, 4, 5, 5, 8) | |
| | | | 16.66 | 3.50 | | | | | | |
| | Very stiff black sandy silty gravelly CLAY with some cobbles and occasional cobbles | | | | | | | | | |
| 4 | | | | | AA220293 | B | 4.00 | | N = 58<br>(7, 6, 10, 14, 16, 18) | |
| 5 | | | | | AA220294 | B | 5.00 | | N = 49<br>(17, 8, 10, 11, 14, 14) | |
| 6 | | | 13.96 | 6.20 | AA220295 | B | 6.00 | | N = 50/75 mm<br>(15, 10, 50) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

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

**WATER STRIKE DETAILS**

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

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| | | | | |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| 09-02-24 | 6.20 | 1.00 | 6.20 | 50mm SP |

**REMARKS** 2hrs standing due to parked car, cones having been moved. Safety fencing erected around work zone. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH07** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,835.65 E<br>733,724.91 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.09 | **BOREHOLE DEPTH (m)** | 6.20 |
| | | **DATE COMMENCED** | 12/02/2024 |
| | | **DATE COMPLETED** | 13/02/2024 |
| **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 | Sample Depth (m) | Recovery | Field Test Results | Standpipe Details |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | TOPSOIL | | 19.89 | 0.20 | | | | | | |
| | MADE GROUND comprising light brown sandy gravelly SILT/CLAY | | 19.69 | 0.40 | AA216801 | B | 0.50 | | | |
| 1 | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with yellow and red brick fragments and large cobbles throughout | | | | AA216802 | B | 1.00 | | N = 7<br>(0, 1, 1, 2, 2, 2) | |
| | | | 18.49 | 1.60 | | | | | | |
| 2 | Firm light grey sandy gravelly SILT/CLAY with some cobbles | | | | AA216803 | B | 2.00 | | N = 15<br>(2, 2, 3, 3, 4, 5) | |
| | | | 17.59 | 2.50 | | | | | | |
| 3 | Stiff mottled grey sandy silty gravelly CLAY with some cobbles | | | | AA216804 | B | 3.00 | | N = 24<br>(3, 4, 5, 5, 6, 8) | |
| | | | 16.59 | 3.50 | | | | | | |
| 4 | Very stiff black sandy gravelly CLAY with cobbles and occasional boulders | | | | AA216805 | B | 4.00 | | N = 57<br>(8, 10, 14, 14, 14, 15) | |
| 5 | | | | | AA216806 | B | 5.00 | | N = 55<br>(10, 15, 10, 16, 14, 15) | |
| 6 | | | 13.89 | 6.20 | AA216807 | B | 6.00 | | N = 50/75 mm<br>(25, 50) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

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

**WATER STRIKE DETAILS**

| Water Strike | Casing Depth | Sealed At | Rise To | Time (min) | Comments |
|---|---|---|---|---|---|
| 4.60 | 4.60 | 4.90 | 4.30 | 20 | Slow |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| 13-02-24 | 6.20 | Nil | 4.30 | End of BH |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

**CONTRACT** NDFA Social Housing Bundles 4/5 - Lot 4- Basin View

**BOREHOLE NO.** BH08
**SHEET** Sheet 1 of 1

**CO-ORDINATES** 713,750.98 E, 733,736.54 N
**GROUND LEVEL (mOD)** 21.23

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

**DATE COMMENCED** 24/01/2024
**DATE COMPLETED** 25/01/2024

**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 | TOPSOIL | | 21.03 | 0.20 | | | | | | |
| | Brown sandy slightly gravelly SILT/CLAY. Gravel is fine. | | 20.83 | 0.40 | AA220258 | B | 0.50 | | | |
| 1 | Soft grey/brown sandy gravelly SILT/CLAY (Possible Made Ground) | | | | AA220259 | B | 1.00 | | N = 7 (0, 2, 2, 1, 2, 2) | |
| | | | 19.43 | 1.80 | | | | | | |
| 2 | Firm light brown sandy gravelly SILT/CLAY with occasional cobbles | | | | AA220260 | B | 2.00 | | N = 16 (2, 3, 3, 4, 4, 5) | |
| | | | 18.83 | 2.40 | | | | | | |
| 3 | Stiff grey/brown sandy silty gravelly CLAY with occasional cobbles | | | | AA220261 | B | 3.00 | | N = 22 (5, 5, 4, 5, 6, 7) | |
| | | | 17.53 | 3.70 | | | | | | |
| 4 | Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders | | | | AA220262 | B | 4.00 | | N = 45 (7, 9, 9, 10, 12, 14) | |
| 5 | | | | | AA220263 | B | 5.00 | | N = 42 (8, 8, 10, 7, 10, 15) | |
| 6 | | | 15.03 | 6.20 | AA220264 | B | 6.00 | | N = 50/150 mm (19, 6, 27, 23) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 4.10 | 5.00 | 1 | |
| 5.00 | 5.10 | 0.75 | |
| 6.10 | 6.20 | 1.5 | |

**WATER STRIKE DETAILS**

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

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| | | | | |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

**CONTRACT** NDFA Social Housing Bundles 4/5 - Lot 4- Basin View

**BOREHOLE NO.** BH09
**SHEET** Sheet 1 of 1

**CO-ORDINATES** 713,801.50 E, 733,690.42 N
**GROUND LEVEL (mOD)** 20.22

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

**DATE COMMENCED** 23/01/2024
**DATE COMPLETED** 23/01/2024

**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 | Sample Depth (m) | Recovery | Field Test Results | Standpipe Details |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | TOPSOIL | | 20.02 | 0.20 | | | | | | |
| | MADE GROUND comprising brown sandy slightly gravelly SILT/CLAY. Gravel is fine. | | 19.62 | 0.60 | AA220251 | B | 0.50 | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY | | 19.32 | 0.90 | | | | | | |
| 1 | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with cobbles and red brick fragments | | | | AA220252 | B | 1.00 | | | |
| 2 | | | 18.02 | 2.20 | AA220253 | B | 2.00 | | N = 23 (2, 5, 5, 6, 5, 7) | |
| | Stiff mottled brown sandy silty gravelly CLAY with occasional cobbles | | | | | | | | | |
| 3 | | | 17.12 | 3.10 | AA220254 | B | 3.00 | | N = 37 (5, 5, 7, 8, 8, 14) | |
| | Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders | | | | | | | | | |
| 4 | | | | | AA220255 | B | 4.00 | | N = 64 (10, 10, 14, 16, 18, 16) | |
| 5 | | | | | AA220256 | B | 5.00 | | N = 50/225 mm (7, 8, 10, 15, 25) | |
| 6 | | | 14.02 | 6.20 | AA220257 | B | 6.00 | | N = 50/75 mm (25, 50) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 1.20 | 1.70 | 1 | |
| 6.10 | 6.20 | 1.5 | |

**WATER STRIKE DETAILS**

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

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| | | | | |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH10** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,839.04 E<br>733,684.97 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.09 | **BOREHOLE DEPTH (m)** | 6.20 |
| | | **DATE COMMENCED** | 22/01/2024 |
| | | **DATE COMPLETED** | 23/01/2024 |
| **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 | TOPSOIL | | 19.89 | 0.20 | | | | | | |
| | MADE GROUND comprising brown sandy slightly gravelly SILT/CLAY. Gravel is fine. | | 19.69 | 0.40 | AA210292 | B | 0.50 | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY | | 19.19 | 0.90 | AA210293 | B | 1.00 | | N = 16 (2, 2, 3, 4, 4, 5) | |
| 1 | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with cobbles and red brick fragments | | 18.79 | 1.30 | | | | | | |
| | Firm to stiff mottled brown sandy silty gravelly CLAY with occasional cobbles | | | | AA210294 | B | 2.00 | | N = 24 (2, 2, 3, 5, 7, 9) | |
| 2 | | | 17.19 | 2.90 | | | | | | |
| 3 | Very stiff black sandy gravelly CLAY with some cobbles and occasional bouders | | | | AA210295 | B | 3.00 | | N = 35 (5, 5, 6, 7, 9, 13) | |
| 4 | | | | | AA210296 | B | 4.00 | | N = 46 (7, 9, 8, 12, 14, 12) | |
| 5 | | | | | AA210297 | B | 5.00 | | N = 59 (10, 8, 9, 18, 19, 13) | |
| 6 | | | 13.89 | 6.20 | AA210298 | B | 6.00 | | N = 50/75 mm (8, 17, 50) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 5.20 | 6.20 | 0.75 | |
| 6.10 | 6.20 | 1.5 | |

**WATER STRIKE DETAILS**

| Water Strike | Casing Depth | Sealed At | Rise To | Time (min) | Comments |
|---|---|---|---|---|---|
| 4.00 | 4.00 | No | No | 20 | Seepage |

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| 23-01-24 | 6.20 | Nil | 4.00 | End of BH |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH11** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,781.73 E<br>733,643.01 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 21.00 | **BOREHOLE DEPTH (m)** | 5.80 |
| | | **DATE COMMENCED** | 29/01/2024 |
| | | **DATE COMPLETED** | 30/01/2024 |
| **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 | TOPSOIL | | 20.80 | 0.20 | | | | | | |
| | Soft brown sandy slightly gravelly SILT/CLAY (Possible Made Ground) | | | | AA220265 | B | 0.50 | | | |
| | | | 20.00 | 1.00 | AA220266 | B | 1.00 | | N = 8 (1, 1, 2, 2, 2, 2) | |
| 1 | Soft grey/brown sandy gravelly SILT/CLAY with occasional cobbles (Possible Made Ground) | | 19.30 | 1.70 | | | | | | |
| | Firm to stiff grey/brown sandy silty gravelly CLAY with occasional cobbles | | | | AA220267 | B | 2.00 | | N = 19 (2, 3, 4, 4, 5, 6) | |
| 2 | | | | | | | | | | |
| | | | | | AA220268 | B | 3.00 | | N = 24 (4, 4, 5, 6, 6, 7) | |
| 3 | | | 17.20 | 3.80 | | | | | | |
| | Very stiff black sandy gravelly CLAY with some cobbles and occasional boulders | | | | AA220269 | B | 4.00 | | N = 48 (6, 6, 10, 12, 12, 14) | |
| 4 | | | | | | | | | | |
| | | | | | AA220270 | B | 5.00 | | N = 50/150 mm (15, 10, 28, 22) | |
| 5 | | | 15.20 | 5.80 | | | | | | |
| | Obstruction | | | | | | | | N = 50/75 mm (18, 21, 50) | |
| 6 | End of Borehole at 5.80 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 5.70 | 5.80 | 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** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH12** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,797.59 E<br>733,638.15 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.37 | **BOREHOLE DEPTH (m)** | 6.60 |
| | | **DATE COMMENCED** | 06/02/2024 |
| | | **DATE COMPLETED** | 07/02/2024 |
| **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 | TOPSOIL | | 20.17 | 0.20 | | | | | | |
| | MADE GROUND comprising grey/brown sandy gravelly SILT/CLAY with cobbles and yellow/red brick fragments | | | | AA202083 | B | 1.00 | | N = 14 (0, 2, 3, 4, 4, 3) | |
| 2 | | | | | AA202084 | B | 2.00 | | N = 12 (1, 2, 2, 2, 3, 5) | |
| | | | 17.37 | 3.00 | | | | | | |
| 3 | Possible large BOULDER | | | | AA202085 | B | 3.00 | | N = 50/75 mm (18, 25, 50) | |
| | | | 16.77 | 3.60 | | | | | | |
| | Stiff grey/brown sandy gravelly SILT/CLAY with occasional cobbles | | 16.57 | 3.80 | | | | | | |
| 4 | Very stiff black sandy silty gravelly CLAY with some cobbles and occasional boulders | | | | AA202086 | B | 4.00 | | N = 30 (2, 3, 5, 7, 7, 11) | |
| 5 | | | | | AA202087 | B | 5.00 | | N = 60 (6, 12, 14, 14, 15, 17) | |
| 6 | | | | | AA202088 | B | 6.00 | | N = 51 (8, 17, 14, 14, 11, 12) | |
| | | | 13.77 | 6.60 | AA202089 | B | 6.50 | | N = 50/75 mm (25, 50) | |
| | Obstruction<br>End of Borehole at 6.60 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 3.00 | 3.60 | 1.5 | |
| 6.50 | 6.60 | 1.5 | |

**WATER STRIKE DETAILS**

| Water Strike | Casing Depth | Sealed At | Rise To | Time (min) | Comments |
|---|---|---|---|---|---|
| 3.80 | 3.80 | 4.20 | 3.50 | 20 | Slow |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| 07-02-24 | 6.60 | 1.00 | 6.60 | 50mm SP |

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| 07-02-24 | 6.60 | Nil | 3.50 | End of BH |

**REMARKS** 2hrs moving rig into position due to very wet ground conditions. Safety fencing erected around work zone. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

# GEOTECHNICAL BORING RECORD

**REPORT NUMBER** 25000-4

| | | | |
|---|---|---|---|
| **CONTRACT** | NDFA Social Housing Bundles 4/5 - Lot 4- Basin View | **BOREHOLE NO.** | **BH13** |
| | | **SHEET** | Sheet 1 of 1 |
| **CO-ORDINATES** | 713,818.82 E<br>733,640.04 N | **RIG TYPE** | Dando 2000 |
| | | **BOREHOLE DIAMETER (mm)** | 200 |
| **GROUND LEVEL (mOD)** | 20.39 | **BOREHOLE DEPTH (m)** | 6.20 |
| | | **DATE COMMENCED** | 31/01/2024 |
| | | **DATE COMPLETED** | 31/01/2024 |
| **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 | TOPSOIL | | 20.29 | 0.10 | | | | | | |
| | MADE GROUND comprising brown sandy gravelly SILT/CLAY with roots and occasional cobbles | | 19.79 | 0.60 | AA220271 | B | 0.50 | | | |
| 1 | Firm mottled grey/brown/black sandy gravelly SILT/CLAY with cobbles and red brick fragments and tree roots (MADE GROUND) | | | | AA220272 | B | 1.00 | | N = 8 (0, 1, 2, 2, 1, 3) | |
| 2 | | | | | AA220273 | B | 2.00 | | N = 19 (2, 3, 4, 4, 5, 6) | |
| | | | 17.39 | 3.00 | | | | | | |
| 3 | Large BOULDER/COBBLES (MADE GROUND) | | 16.99 | 3.40 | | | | | N = 50/75 mm (25, 50) | |
| | Very stiff grey sandy gravelly SILT/CLAY with occasional cobbles | | 16.59 | 3.80 | AA220274 | B | 3.50 | | | |
| 4 | Very stiff black sandy silty gravelly CLAY with some cobbles and occasional boulders | | | | AA220275 | B | 4.00 | | N = 61 (8, 13, 14, 14, 16, 17) | |
| 5 | | | | | AA220276 | B | 5.00 | | N = 52 (15, 10, 14, 10, 16, 12) | |
| 6 | | | 14.19 | 6.20 | AA220277 | B | 6.00 | | N = 50/75 mm (25, 28, 50) | |
| | Obstruction<br>End of Borehole at 6.20 m | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

**HARD STRATA BORING/CHISELLING**

| From (m) | To (m) | Time (h) | Comments |
|---|---|---|---|
| 3.00 | 3.40 | 1 | |
| 6.10 | 6.20 | 1.5 | |

**WATER STRIKE DETAILS**

| Water Strike | Casing Depth | Sealed At | Rise To | Time (min) | Comments |
|---|---|---|---|---|---|
| 2.90 | 2.90 | 3.90 | 2.40 | 20 | Slow |

**INSTALLATION DETAILS**

| Date | Tip Depth | RZ Top | RZ Base | Type |
|---|---|---|---|---|
| | | | | |

**GROUNDWATER PROGRESS**

| Date | Hole Depth | Casing Depth | Depth to Water | Comments |
|---|---|---|---|---|
| 31-01-24 | 6.20 | Nil | 2.30 | End of BH |

**REMARKS** Safety fencing erected around work area. CAT scanned location and hand dug inspection pit carried out.

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

IGSL BH LOG 25000- SITE 4.GPJ IGSL.GDT 12/3/24

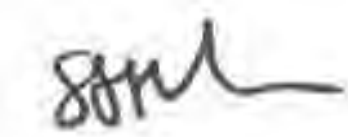
**Appendix 2**

**Laboratory Report**

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

# Final Report

| | |
|---|---|
| **Report No.:** | 24-06640-1 |
| **Initial Date of Issue:** | 12-Mar-2024 |
| **Re-Issue Details:** | |
| **Client** | IGSL |
| **Client Address:** | M7 Business Park<br>Naas<br>County Kildare<br>Ireland |
| **Contact(s):** | Darren Keogh |
| **Project** | 25000-4 Basin View |
| **Quotation No.:** | Q20-21693 |
| **Date Received:** | 04-Mar-2024 |
| **Order No.:** | |
| **Date Instructed:** | 04-Mar-2024 |
| **No. of Samples:** | 38 |
| **Turnaround (Wkdays):** | 5 |
| **Results Due:** | 08-Mar-2024 |
| **Date Approved:** | 12-Mar-2024 |
| **Approved By:** | |



| | |
|---|---|
| **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: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775125 | 1775126 | 1775128 | 1775129 | 1775130 | 1775132 | 1775134 | 1775135 | 1775136 |
| Order No.: | | | | Client Sample Ref.: | | BH9 | BH10 | BH11 | BH12 | BH12 | BH13 | TP01 | TP02 | BH1 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.00 | 1.00 | 1.00 | 1.00 | 3.00 | 1.00 | 0.60 | 1.20 | 1.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.22 | 0.24 | 0.30 | 0.20 | 0.25 | 0.18 | 0.28 | 0.30 | 0.36 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 2.3 | 2.5 | 3.2 | 2.1 | 2.7 | 2.1 | 3.0 | 3.3 | 3.9 |

# Results - Leachate

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775137 | 1775139 | 1775140 | 1775142 | 1775143 | 1775145 | 1775146 | 1775147 | 1775148 |
| Order No.: | | | | Client Sample Ref.: | | BH1 | BH2 | BH3 | BH3 | BH4 | BH5 | BH6 | BH7 | TP03 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 2.00 | 1.00 | 0.50 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.24 | 0.65 | 0.30 | 0.33 | 0.24 | 0.23 | 0.48 | 0.41 | 0.21 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 2.5 | 8.7 | 4.5 | 3.7 | 2.6 | 3.2 | 5.8 | 4.5 | 2.3 |

# Results - Leachate

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775149 | 1775150 | 1775151 | 1775152 | 1775153 | 1775154 | 1775155 | 1775156 | 1775158 |
| Order No.: | | | | Client Sample Ref.: | | TP04 | TP05 | TP06 | TP07 | TP08 | TP09 | TP09 | TP10 | TP11 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 0.30 | 0.60 | 1.30 | 1.30 | 0.40 | 1.00 | 2.10 | 1.30 | 1.20 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.31 | 0.72 | 0.56 | 0.29 | 0.26 | 0.21 | 0.25 | 0.24 | 0.30 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 3.1 | 7.8 | 6.1 | 3.1 | 2.9 | 2.6 | 2.7 | 2.7 | 3.2 |

# Results - Leachate

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775159 | 1775160 | 1775161 |
| Order No.: | | | | Client Sample Ref.: | | TP11 | TP12 | TP13 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.40 | 1.50 | 0.40 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.21 | 0.21 | 0.20 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 2.2 | 2.4 | 2.4 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775124 | 1775125 | 1775126 | 1775127 | 1775128 | 1775129 | 1775130 |
| Order No.: | | | | Client Sample Ref.: | | BH8 | BH9 | BH10 | BH10 | BH11 | BH12 | BH12 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| ACM Type | | U | 2192 | | N/A | | Fibres/Clumps | - | | - | Fibres/Clumps | - |
| Asbestos Identification | | U | 2192 | | N/A | | Amosite Chrysotile | No Asbestos Detected | | No Asbestos Detected | Chrysotile | No Asbestos Detected |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | 0.095 | | | | <0.001 | |
| Total Asbestos | | U | 2192 | % | 0.001 | | 0.095 | | | | <0.001 | |
| Moisture | | N | 2030 | % | 0.020 | 19 | 22 | 24 | 27 | 21 | 18 | 2.5 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown | Brown | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones and Roots | Stones and Roots | Stones and Roots | Stones | Stones | Stones | Stones |
| Soil Texture | | N | 2040 | | N/A | Clay | Loam | Clay | Clay | Clay | Loam | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | 8.5 | | | 8.6 | | | |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | | 0.88 | 0.95 | | 0.55 | 0.66 | 1.4 |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | < 0.010 | | | 0.039 | | | |
| Total Sulphur | | U | 2175 | % | 0.010 | 0.034 | | | 0.090 | | | |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | | 1100 | 8.3 | | < 1.0 | < 1.0 | 3.2 |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | 0.013 | | | < 0.010 | | | |
| Cyanide (Total) | | M | 2300 | mg/kg | 0.50 | | < 0.50 | < 0.50 | | < 0.50 | 0.60 | < 0.50 |
| Sulphide (Easily Liberatable) | | N | 2325 | mg/kg | 0.50 | | 45 | 4.8 | | 3.8 | 6.4 | 3.5 |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | < 0.01 | | | < 0.01 | | | |
| Sulphate (Total) | | U | 2430 | % | 0.010 | | 1.2 | 0.23 | | 0.12 | 0.91 | 1.5 |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | 0.042 | | | 0.10 | | | |
| Arsenic | | M | 2455 | mg/kg | 0.5 | | 33 | 18 | | 21 | 12 | 14 |
| Barium | | M | 2455 | mg/kg | 0.5 | | 230 | 150 | | 130 | 340 | 340 |
| Cadmium | | M | 2455 | mg/kg | 0.10 | | 1.2 | 2.1 | | 3.4 | 0.92 | 0.97 |
| Chromium | | M | 2455 | mg/kg | 0.5 | | 14 | 22 | | 27 | 12 | 20 |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | | 5.3 | 2.8 | | 3.3 | 2.1 | 2.7 |
| Antimony | | N | 2455 | mg/kg | 2.0 | | 2.6 | < 2.0 | | 2.3 | 4.5 | 3.7 |
| Copper | | M | 2455 | mg/kg | 0.50 | | 32 | 63 | | 56 | 32 | 28 |
| Mercury | | M | 2455 | mg/kg | 0.05 | | 0.28 | 0.41 | | 0.15 | 0.39 | 0.42 |
| Nickel | | M | 2455 | mg/kg | 0.50 | | 38 | 46 | | 71 | 18 | 26 |
| Lead | | M | 2455 | mg/kg | 0.50 | | 330 | 140 | | 70 | 780 | 770 |
| Selenium | | M | 2455 | mg/kg | 0.25 | | 1.3 | 1.1 | | 1.3 | 1.5 | 1.7 |
| Zinc | | M | 2455 | mg/kg | 0.50 | | 260 | 130 | | 150 | 290 | 300 |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | | 14 | 22 | | 27 | 12 | 20 |
| Chromium (Hexavalent) | | N | 2490 | mg/kg | 0.50 | | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 |
| Aliphatic VPH >C5-C6 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C6-C7 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775124 | 1775125 | 1775126 | 1775127 | 1775128 | 1775129 | 1775130 |
| Order No.: | | | | Client Sample Ref.: | | BH8 | BH9 | BH10 | BH10 | BH11 | BH12 | BH12 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | | < 0.25 | < 0.25 | | < 0.25 | < 0.25 | < 0.25 |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | 7.2 | 6.2 | | 4.2 | 5.5 | 4.8 |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | < 2.0 | < 2.0 | | < 2.0 | < 2.0 | < 2.0 |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | | < 3.0 | 6.3 | | 4.1 | 3.6 | < 3.0 |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | | < 10 | < 10 | | < 10 | < 10 | < 10 |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | | 9.3 | 12 | | 8.4 | 9.1 | 6.9 |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | < 0.05 |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | | < 0.25 | < 0.25 | | < 0.25 | < 0.25 | < 0.25 |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | 1.2 | 1.4 | | 2.3 | 1.1 | < 1.0 |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | 4.5 | 3.8 | | 4.7 | 6.9 | 3.3 |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | < 2.0 | 4.9 | | 2.1 | 2.3 | < 2.0 |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | | < 1.0 | 1.1 | | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | | 6.6 | 10 | | 9.0 | 10 | 5.3 |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | | 16 | 22 | | 17 | 19 | 12 |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | | < 10 | 12 | | < 10 | < 10 | < 10 |
| Benzene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Toluene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | | M | 2760 | µg/kg | 1.0 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 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 | | 0.17 | < 0.10 | | < 0.10 | 0.37 | 0.24 |
| Anthracene | | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | 0.12 | < 0.10 |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | | 0.23 | 0.39 | | < 0.10 | 0.59 | 0.38 |
| Pyrene | | M | 2800 | mg/kg | 0.10 | | 0.20 | 0.30 | | < 0.10 | 0.51 | 0.34 |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | | 0.13 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Chrysene | | M | 2800 | mg/kg | 0.10 | | 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 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775124 | 1775125 | 1775126 | 1775127 | 1775128 | 1775129 | 1775130 |
| Order No.: | | | | Client Sample Ref.: | | BH8 | BH9 | BH10 | BH10 | BH11 | BH12 | BH12 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 2.00 | 1.00 | 1.00 | 3.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| 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 | 1.6 | < 1.0 |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775131 | 1775132 | 1775133 | 1775134 | 1775135 | 1775136 | 1775137 |
| Order No.: | | | | Client Sample Ref.: | | BH12 | BH13 | BH13 | TP01 | TP02 | BH1 | BH1 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 4.00 | 1.00 | 3.50 | 0.60 | 1.20 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| ACM Type | | U | 2192 | | N/A | | Fibres/Clumps | | - | - | - | - |
| Asbestos Identification | | U | 2192 | | N/A | | Chrysotile | | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | <0.001 | | | | | |
| Total Asbestos | | U | 2192 | % | 0.001 | | <0.001 | | | | | |
| Moisture | | N | 2030 | % | 0.020 | 15 | 19 | 17 | 16 | 18 | 18 | 19 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown | Brown | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones | Stones and Roots | Stones and Roots | Stones and Roots | Stones and Roots | Stones | Stones and Roots |
| Soil Texture | | N | 2040 | | N/A | Clay | Clay | Clay | Clay | Clay | Clay | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | 8.2 | | 8.6 | | | | |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | | 0.62 | | 0.92 | 0.88 | < 0.40 | 0.63 |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | < 0.010 | | < 0.010 | | | | |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | 0.23 | | 0.038 | | | | |
| Total Sulphur | | U | 2175 | % | 0.010 | 0.083 | | 0.045 | | | | |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | | 5.0 | | 30 | 1.2 | < 1.0 | 1.9 |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | < 0.010 | | < 0.010 | | | | |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | < 0.010 | | < 0.010 | | | | |
| Cyanide (Total) | | M | 2300 | mg/kg | 0.50 | | < 0.50 | | < 0.50 | < 0.50 | 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | | N | 2325 | mg/kg | 0.50 | | 5.4 | | 5.2 | 3.4 | 3.4 | 14 |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | < 0.01 | | < 0.01 | | | | |
| Sulphate (Total) | | U | 2430 | % | 0.010 | | 0.11 | | 0.30 | 0.13 | 0.083 | 0.30 |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | 0.15 | | 0.053 | | | | |
| Arsenic | | M | 2455 | mg/kg | 0.5 | | 22 | | 9.8 | 13 | 19 | 11 |
| Barium | | M | 2455 | mg/kg | 0.5 | | 200 | | 76 | 72 | 230 | 250 |
| Cadmium | | M | 2455 | mg/kg | 0.10 | | 1.9 | | 0.94 | 2.0 | 1.2 | 1.3 |
| Chromium | | M | 2455 | mg/kg | 0.5 | | 22 | | 15 | 17 | 25 | 13 |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | | 4.7 | | 2.3 | 2.7 | 2.5 | 3.2 |
| Antimony | | N | 2455 | mg/kg | 2.0 | | 5.0 | | < 2.0 | < 2.0 | 9.0 | 3.9 |
| Copper | | M | 2455 | mg/kg | 0.50 | | 100 | | 41 | 50 | 120 | 34 |
| Mercury | | M | 2455 | mg/kg | 0.05 | | 0.41 | | 0.16 | 0.14 | 0.88 | 0.26 |
| Nickel | | M | 2455 | mg/kg | 0.50 | | 56 | | 36 | 34 | 37 | 38 |
| Lead | | M | 2455 | mg/kg | 0.50 | | 150 | | 63 | 61 | 330 | 600 |
| Selenium | | M | 2455 | mg/kg | 0.25 | | 1.7 | | 1.2 | 1.4 | 1.2 | 2.9 |
| Zinc | | M | 2455 | mg/kg | 0.50 | | 160 | | 100 | 130 | 280 | 350 |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | | 22 | | 15 | 17 | 25 | 13 |
| Chromium (Hexavalent) | | N | 2490 | mg/kg | 0.50 | | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Aliphatic VPH >C5-C6 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C6-C7 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775131 | 1775132 | 1775133 | 1775134 | 1775135 | 1775136 | 1775137 |
| Order No.: | | | | Client Sample Ref.: | | BH12 | BH13 | BH13 | TP01 | TP02 | BH1 | BH1 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 4.00 | 1.00 | 3.50 | 0.60 | 1.20 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | | < 0.25 | | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | 4.8 | | 5.6 | 7.0 | 3.9 | 3.7 |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | < 2.0 | | < 2.0 | < 2.0 | < 2.0 | 3.1 |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | | 5.5 | | 3.1 | 3.1 | 5.1 | 10 |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | | < 10 | | < 10 | < 10 | 14 | 14 |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | | 10 | | 8.6 | 11 | 9.0 | 18 |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | | < 0.25 | | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | < 1.0 | | 1.1 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | 9.2 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | 5.9 | | 3.8 | 4.0 | 83 | 16 |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | 7.6 | | 5.4 | 4.7 | 150 | 12 |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | | < 1.0 | | < 1.0 | < 1.0 | 16 | 5.9 |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | | 23 | | 10 | 9.5 | 230 | 29 |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | | 33 | | 19 | 21 | 240 | 47 |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | | 10 | | < 10 | 11 | 23 | 32 |
| Benzene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | | M | 2760 | µg/kg | 1.0 | | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | | M | 2800 | mg/kg | 0.10 | | 0.14 | | < 0.10 | < 0.10 | 0.31 | < 0.10 |
| Acenaphthylene | | N | 2800 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.26 | < 0.10 |
| Acenaphthene | | M | 2800 | mg/kg | 0.10 | | 0.59 | | < 0.10 | < 0.10 | 0.75 | < 0.10 |
| Fluorene | | M | 2800 | mg/kg | 0.10 | | 0.52 | | < 0.10 | < 0.10 | 0.60 | < 0.10 |
| Phenanthrene | | M | 2800 | mg/kg | 0.10 | | 5.1 | | 0.22 | 0.56 | 8.9 | 0.23 |
| Anthracene | | M | 2800 | mg/kg | 0.10 | | 0.75 | | < 0.10 | 0.16 | 2.9 | < 0.10 |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | | 5.0 | | 0.36 | 1.3 | 24 | 0.33 |
| Pyrene | | M | 2800 | mg/kg | 0.10 | | 4.0 | | 0.36 | 1.2 | 21 | 0.33 |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | | 2.4 | | 0.22 | 0.80 | 15 | < 0.10 |
| Chrysene | | M | 2800 | mg/kg | 0.10 | | 2.1 | | 0.19 | 0.67 | 14 | < 0.10 |
| Benzo[b]fluoranthene | | M | 2800 | mg/kg | 0.10 | | 3.1 | | 0.35 | 1.2 | 20 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775131 | 1775132 | 1775133 | 1775134 | 1775135 | 1775136 | 1775137 |
| Order No.: | | | | Client Sample Ref.: | | BH12 | BH13 | BH13 | TP01 | TP02 | BH1 | BH1 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 4.00 | 1.00 | 3.50 | 0.60 | 1.20 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Benzo[k]fluoranthene | | M | 2800 | mg/kg | 0.10 | | 0.99 | | 0.11 | 0.40 | 7.1 | < 0.10 |
| Benzo[a]pyrene | | M | 2800 | mg/kg | 0.10 | | 2.3 | | 0.28 | 0.84 | 16 | < 0.10 |
| Indeno(1,2,3-c,d)Pyrene | | M | 2800 | mg/kg | 0.10 | | 1.4 | | 0.15 | 0.58 | 9.2 | < 0.10 |
| Dibenz(a,h)Anthracene | | N | 2800 | mg/kg | 0.10 | | 0.42 | | < 0.10 | < 0.10 | 2.0 | < 0.10 |
| Benzo[g,h,i]perylene | | M | 2800 | mg/kg | 0.10 | | 1.4 | | 0.19 | 0.58 | 9.3 | < 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 | | 30 | | 2.4 | 8.3 | 150 | < 1.0 |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775138 | 1775139 | 1775140 | 1775141 | 1775142 | 1775143 | 1775144 |
| Order No.: | | | | Client Sample Ref.: | | BH1 | BH2 | BH3 | BH3 | BH3 | BH4 | BH4 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 3.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | |
| **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 | |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | | | | | | |
| Total Asbestos | | U | 2192 | % | 0.001 | | | | | | | |
| Moisture | | N | 2030 | % | 0.020 | 16 | 20 | 20 | 19 | 11 | 18 | 19 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown | Brown | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones | Stones and Roots | Stones and Roots | Stones and Roots | Stones | Stones | Stones |
| Soil Texture | | N | 2040 | | N/A | Clay | Clay | Clay | Clay | Clay | Clay | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | 8.6 | | | 8.5 | | | 8.4 |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | | 0.99 | 0.84 | | < 0.40 | 1.3 | |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | < 0.010 |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | 0.17 | | | 0.071 | | | 0.063 |
| Total Sulphur | | U | 2175 | % | 0.010 | 0.15 | | | 0.069 | | | 0.14 |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | | 2.0 | 2.1 | | < 1.0 | 2.6 | |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | < 0.010 | | | 0.030 | | | 0.011 |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | < 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 | | 4.4 | 5.3 | | 5.3 | 9.8 | |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | < 0.01 | | | < 0.01 | | | < 0.01 |
| Sulphate (Total) | | U | 2430 | % | 0.010 | | 0.17 | 0.39 | | 0.14 | 0.090 | |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | 0.62 | | | 0.33 | | | 0.22 |
| Arsenic | | M | 2455 | mg/kg | 0.5 | | 12 | 6.5 | | 14 | 6.6 | |
| Barium | | M | 2455 | mg/kg | 0.5 | | 78 | 51 | | 93 | 51 | |
| Cadmium | | M | 2455 | mg/kg | 0.10 | | 1.3 | 0.74 | | 3.0 | 0.72 | |
| Chromium | | M | 2455 | mg/kg | 0.5 | | 19 | 14 | | 18 | 14 | |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | | 2.1 | 1.6 | | 5.5 | 1.5 | |
| Antimony | | N | 2455 | mg/kg | 2.0 | | < 2.0 | < 2.0 | | < 2.0 | < 2.0 | |
| Copper | | M | 2455 | mg/kg | 0.50 | | 45 | 26 | | 39 | 26 | |
| Mercury | | M | 2455 | mg/kg | 0.05 | | 0.31 | 0.16 | | 0.08 | 0.16 | |
| Nickel | | M | 2455 | mg/kg | 0.50 | | 36 | 25 | | 59 | 25 | |
| Lead | | M | 2455 | mg/kg | 0.50 | | 110 | 49 | | 27 | 49 | |
| Selenium | | M | 2455 | mg/kg | 0.25 | | 1.4 | 1.2 | | 1.7 | 1.2 | |
| Zinc | | M | 2455 | mg/kg | 0.50 | | 180 | 100 | | 120 | 100 | |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | | 19 | 14 | | 18 | 14 | |
| 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 | |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775138 | 1775139 | 1775140 | 1775141 | 1775142 | 1775143 | 1775144 |
| Order No.: | | | | Client Sample Ref.: | | BH1 | BH2 | BH3 | BH3 | BH3 | BH4 | BH4 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 3.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | | < 0.25 | < 0.25 | | < 0.25 | < 0.25 | |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | 8.3 | 4.9 | | 6.5 | 4.7 | |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | | < 1.0 | < 1.0 | | < 1.0 | 1.3 | |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | | < 2.0 | < 2.0 | | < 2.0 | < 2.0 | |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | | 4.2 | 5.5 | | < 3.0 | 9.6 | |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | | < 10 | 11 | | < 10 | 11 | |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | | 12 | 10 | | 7.1 | 17 | |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | | < 0.05 | < 0.05 | | < 0.05 | < 0.05 | |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | | < 0.25 | < 0.25 | | < 0.25 | < 0.25 | |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | | < 1.0 | < 1.0 | | < 1.0 | 7.0 | |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | 7.4 | 8.9 | | 6.6 | 140 | |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | | 6.6 | 6.3 | | < 2.0 | 250 | |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | | 2.1 | 2.5 | | 1.4 | 8.9 | |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | | 14 | 15 | | 7.0 | 390 | |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | | 26 | 26 | | 14 | 410 | |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | | 12 | 21 | | < 10 | 28 | |
| 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 | 0.46 | |
| 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 | 0.96 | |
| Fluorene | | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | 0.84 | |
| Phenanthrene | | M | 2800 | mg/kg | 0.10 | | 0.56 | 0.69 | | < 0.10 | 7.5 | |
| Anthracene | | M | 2800 | mg/kg | 0.10 | | 0.10 | 0.15 | | < 0.10 | 2.4 | |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | | 0.80 | 0.83 | | < 0.10 | 13 | |
| Pyrene | | M | 2800 | mg/kg | 0.10 | | 0.69 | 0.73 | | < 0.10 | 11 | |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | | 0.45 | 0.43 | | < 0.10 | 6.2 | |
| Chrysene | | M | 2800 | mg/kg | 0.10 | | 0.40 | 0.45 | | < 0.10 | 6.4 | |
| Benzo[b]fluoranthene | | M | 2800 | mg/kg | 0.10 | | 0.54 | 0.57 | | < 0.10 | 7.6 | |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775138 | 1775139 | 1775140 | 1775141 | 1775142 | 1775143 | 1775144 |
| Order No.: | | | | Client Sample Ref.: | | BH1 | BH2 | BH3 | BH3 | BH3 | BH4 | BH4 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 3.00 | 1.00 | 1.00 | 2.00 | 3.00 | 1.00 | 2.00 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | | COVENTRY | COVENTRY | | COVENTRY | COVENTRY | |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Benzo[k]fluoranthene | | M | 2800 | mg/kg | 0.10 | | 0.17 | 0.23 | | < 0.10 | 3.2 | |
| Benzo[a]pyrene | | M | 2800 | mg/kg | 0.10 | | 0.47 | 0.53 | | < 0.10 | 6.3 | |
| Indeno(1,2,3-c,d)Pyrene | | M | 2800 | mg/kg | 0.10 | | 0.32 | 0.26 | | < 0.10 | 3.9 | |
| Dibenz(a,h)Anthracene | | N | 2800 | mg/kg | 0.10 | | < 0.10 | 0.15 | | < 0.10 | 0.92 | |
| Benzo[g,h,i]perylene | | M | 2800 | mg/kg | 0.10 | | 0.33 | 0.31 | | < 0.10 | 3.5 | |
| 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 | | 4.8 | 5.3 | | < 1.0 | 74 | |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775145 | 1775146 | 1775147 | 1775148 | 1775149 | 1775150 | 1775151 |
| Order No.: | | | | Client Sample Ref.: | | BH5 | BH6 | BH7 | TP03 | TP04 | TP05 | TP06 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 0.50 | 0.30 | 0.60 | 1.30 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| ACM Type | | U | 2192 | | N/A | - | - | - | - | Fibres/Clumps | Fibres/Clumps | - |
| Asbestos Identification | | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | Chrysotile | Chrysotile | No Asbestos Detected |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | | | | <0.001 | 0.008 | |
| Total Asbestos | | U | 2192 | % | 0.001 | | | | | <0.001 | 0.008 | |
| Moisture | | N | 2030 | % | 0.020 | 14 | 21 | 16 | 19 | 25 | 12 | 18 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown | Brown | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones and Roots | Stones and Roots | Stones and Roots | Stones and Roots | Stones and Roots | Stones | Stones and Roots |
| Soil Texture | | N | 2040 | | N/A | Clay | Clay | Clay | Clay | Clay | Clay | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | | | | | | | |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | < 0.40 | 0.44 | < 0.40 | 1.1 | 2.6 | 0.47 | 0.67 |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | | | | | | | |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | | | | | | | |
| Total Sulphur | | U | 2175 | % | 0.010 | | | | | | | |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | 9.0 | 39 | 9.5 | < 1.0 | < 1.0 | 1.4 | 2.7 |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | | | | | | | |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | | | | | | | |
| Cyanide (Total) | | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | | N | 2325 | mg/kg | 0.50 | 3.8 | 9.0 | 4.5 | 3.7 | 3.3 | 3.9 | 4.8 |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | | | | | | | |
| Sulphate (Total) | | U | 2430 | % | 0.010 | 0.18 | 0.44 | 0.24 | 0.12 | 0.11 | 0.089 | 0.16 |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | | | | | | | |
| Arsenic | | M | 2455 | mg/kg | 0.5 | 18 | 17 | 13 | 14 | 10 | 11 | 14 |
| Barium | | M | 2455 | mg/kg | 0.5 | 130 | 220 | 89 | 120 | 63 | 91 | 170 |
| Cadmium | | M | 2455 | mg/kg | 0.10 | 1.2 | 1.4 | 0.98 | 1.1 | 0.85 | 1.3 | 1.5 |
| Chromium | | M | 2455 | mg/kg | 0.5 | 16 | 18 | 15 | 22 | 18 | 14 | 20 |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | 2.9 | 2.9 | 2.1 | 1.8 | 1.5 | 2.2 | 1.8 |
| Antimony | | N | 2455 | mg/kg | 2.0 | 2.6 | 2.0 | 2.9 | 2.9 | < 2.0 | < 2.0 | 5.7 |
| Copper | | M | 2455 | mg/kg | 0.50 | 44 | 50 | 49 | 120 | 39 | 33 | 35 |
| Mercury | | M | 2455 | mg/kg | 0.05 | 0.35 | 0.37 | 0.36 | 0.35 | 0.24 | 0.18 | 0.27 |
| Nickel | | M | 2455 | mg/kg | 0.50 | 33 | 38 | 32 | 35 | 27 | 34 | 33 |
| Lead | | M | 2455 | mg/kg | 0.50 | 180 | 240 | 120 | 140 | 130 | 96 | 180 |
| Selenium | | M | 2455 | mg/kg | 0.25 | 0.97 | 2.9 | 0.97 | 1.2 | 0.88 | 0.84 | 1.1 |
| Zinc | | M | 2455 | mg/kg | 0.50 | 160 | 150 | 110 | 180 | 120 | 120 | 190 |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | 16 | 18 | 15 | 22 | 18 | 14 | 20 |
| Chromium (Hexavalent) | | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Aliphatic VPH >C5-C6 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C6-C7 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775145 | 1775146 | 1775147 | 1775148 | 1775149 | 1775150 | 1775151 |
| Order No.: | | | | Client Sample Ref.: | | BH5 | BH6 | BH7 | TP03 | TP04 | TP05 | TP06 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 0.50 | 0.30 | 0.60 | 1.30 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | 4.8 | 4.9 | 2.6 | 7.9 | 8.1 | 7.6 | 4.1 |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.0 | < 1.0 | < 1.0 |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | 3.6 | 5.1 | 3.5 | 4.5 | 6.7 | 3.5 | < 3.0 |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | < 10 | 12 | < 10 | < 10 | < 10 | 11 | < 10 |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | 10 | 9.9 | 6.1 | 12 | 16 | 11 | 6.3 |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | 13 | 29 | 8.4 | 6.2 | 11 | 8.0 | 11 |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | < 2.0 | 9.5 | < 2.0 | 8.3 | 21 | < 2.0 | 5.6 |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | 3.9 | 2.4 | 1.6 | 2.4 | 6.0 | 3.2 | 2.6 |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | 14 | 39 | 9.4 | 14 | 32 | 9.8 | 16 |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | 24 | 49 | 16 | 27 | 48 | 21 | 23 |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | 10 | 22 | < 10 | 12 | 16 | 22 | < 10 |
| Benzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | | M | 2800 | mg/kg | 0.10 | 0.12 | 0.43 | 0.13 | < 0.10 | 0.22 | < 0.10 | < 0.10 |
| Acenaphthylene | | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 0.52 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluorene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 0.59 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Phenanthrene | | M | 2800 | mg/kg | 0.10 | 0.81 | 3.4 | 0.80 | 1.1 | 1.6 | < 0.10 | 0.55 |
| Anthracene | | M | 2800 | mg/kg | 0.10 | 0.19 | 1.1 | 0.25 | 0.18 | 0.35 | < 0.10 | 0.14 |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | 1.2 | 3.6 | 1.1 | 1.6 | 2.3 | 0.50 | 1.6 |
| Pyrene | | M | 2800 | mg/kg | 0.10 | 1.1 | 3.1 | 0.95 | 1.3 | 1.9 | 0.45 | 1.4 |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | 0.65 | 1.7 | 0.57 | 0.80 | 1.1 | < 0.10 | 0.97 |
| Chrysene | | M | 2800 | mg/kg | 0.10 | 0.61 | 1.8 | 0.59 | 0.72 | < 0.10 | < 0.10 | 0.82 |
| Benzo[b]fluoranthene | | M | 2800 | mg/kg | 0.10 | 0.99 | 2.2 | 0.77 | 1.1 | 1.3 | < 0.10 | 1.5 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775145 | 1775146 | 1775147 | 1775148 | 1775149 | 1775150 | 1775151 |
| Order No.: | | | | Client Sample Ref.: | | BH5 | BH6 | BH7 | TP03 | TP04 | TP05 | TP06 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 | 1.00 | 0.50 | 0.30 | 0.60 | 1.30 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Benzo[k]fluoranthene | | M | 2800 | mg/kg | 0.10 | 0.36 | 0.68 | 0.23 | 0.37 | 0.40 | < 0.10 | 0.44 |
| Benzo[a]pyrene | | M | 2800 | mg/kg | 0.10 | 0.83 | 1.8 | 0.74 | 0.81 | 0.91 | < 0.10 | 1.2 |
| Indeno(1,2,3-c,d)Pyrene | | M | 2800 | mg/kg | 0.10 | 0.65 | 1.2 | 0.46 | 0.58 | 0.56 | < 0.10 | 0.71 |
| Dibenz(a,h)Anthracene | | N | 2800 | mg/kg | 0.10 | < 0.10 | 0.26 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.23 |
| Benzo[g,h,i]perylene | | M | 2800 | mg/kg | 0.10 | 0.59 | 1.2 | 0.47 | 0.57 | 0.62 | < 0.10 | 0.86 |
| Coronene | | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's Lower | | N | 2800 | mg/kg | 1.0 | 8.1 | 24 | 7.1 | 9.1 | 11 | < 1.0 | 10 |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775152 | 1775153 | 1775154 | 1775155 | 1775156 | 1775157 | 1775158 |
| Order No.: | | | | Client Sample Ref.: | | TP07 | TP08 | TP09 | TP09 | TP10 | TP10 | TP11 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.30 | 0.40 | 1.00 | 2.10 | 1.30 | 2.10 | 1.20 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| ACM Type | | U | 2192 | | N/A | - | Fibres/Clumps | - | - | - | | - |
| Asbestos Identification | | U | 2192 | | N/A | No Asbestos Detected | Chrysotile | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | | No Asbestos Detected |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | 0.018 | | | | | |
| Total Asbestos | | U | 2192 | % | 0.001 | | 0.018 | | | | | |
| Moisture | | N | 2030 | % | 0.020 | 17 | 11 | 6.4 | 17 | 14 | 28 | 19 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown | Brown | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones | Stones and Roots | Stones and Roots | Stones and Roots | Stones and Roots | Stones | Stones and Roots |
| Soil Texture | | N | 2040 | | N/A | Clay | Clay | Loam | Clay | Clay | Clay | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | | | | | | 8.4 | |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | 1.3 | 0.56 | < 0.40 | 0.53 | 0.52 | | 2.1 |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | | | | | | < 0.010 | |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | | | | | | 0.020 | |
| Total Sulphur | | U | 2175 | % | 0.010 | | | | | | 0.020 | |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | 1.5 | 2.1 | < 1.0 | < 1.0 | 1.4 | | 1.9 |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | | | | | | < 0.010 | |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | | | | | | < 0.010 | |
| Cyanide (Total) | | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 |
| Sulphide (Easily Liberatable) | | N | 2325 | mg/kg | 0.50 | 3.2 | 4.0 | 4.0 | 3.5 | 4.7 | | 3.3 |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | | | | | | < 0.01 | |
| Sulphate (Total) | | U | 2430 | % | 0.010 | 0.23 | 0.28 | 0.067 | 0.056 | 0.16 | | 0.10 |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | | | | | | 0.038 | |
| Arsenic | | M | 2455 | mg/kg | 0.5 | 26 | 11 | 10 | 16 | 21 | | 19 |
| Barium | | M | 2455 | mg/kg | 0.5 | 320 | 1200 | 83 | 88 | 140 | | 120 |
| Cadmium | | M | 2455 | mg/kg | 0.10 | 1.6 | 1.2 | 1.3 | 0.96 | 5.2 | | 2.3 |
| Chromium | | M | 2455 | mg/kg | 0.5 | 19 | 18 | 19 | 19 | 23 | | 19 |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | 13 | 1.8 | 0.9 | 2.2 | 7.2 | | 2.9 |
| Antimony | | N | 2455 | mg/kg | 2.0 | 3.6 | 3.8 | < 2.0 | < 2.0 | 5.3 | | 2.1 |
| Copper | | M | 2455 | mg/kg | 0.50 | 78 | 93 | 17 | 25 | 44 | | 59 |
| Mercury | | M | 2455 | mg/kg | 0.05 | 0.37 | 0.12 | 0.05 | 0.10 | 0.24 | | 0.34 |
| Nickel | | M | 2455 | mg/kg | 0.50 | 43 | 31 | 30 | 32 | 47 | | 45 |
| Lead | | M | 2455 | mg/kg | 0.50 | 330 | 130 | 45 | 58 | 88 | | 170 |
| Selenium | | M | 2455 | mg/kg | 0.25 | 1.7 | 0.92 | 0.72 | 0.85 | 5.0 | | 1.2 |
| Zinc | | M | 2455 | mg/kg | 0.50 | 280 | 180 | 93 | 110 | 140 | | 160 |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | 19 | 18 | 19 | 19 | 23 | | 19 |
| Chromium (Hexavalent) | | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 |
| Aliphatic VPH >C5-C6 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Aliphatic VPH >C6-C7 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775152 | 1775153 | 1775154 | 1775155 | 1775156 | 1775157 | 1775158 |
| Order No.: | | | | Client Sample Ref.: | | TP07 | TP08 | TP09 | TP09 | TP10 | TP10 | TP11 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.30 | 0.40 | 1.00 | 2.10 | 1.30 | 2.10 | 1.20 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | | < 0.25 |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | 7.7 | 6.3 | 3.9 | 4.7 | 6.0 | | 7.2 |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 5.9 | | < 1.0 |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | 2.6 | | < 2.0 |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | 4.3 | < 3.0 | < 3.0 | 5.8 | 4.8 | | 4.8 |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | 10 | < 10 | < 10 | < 10 | < 10 | | < 10 |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | 12 | 6.3 | 5.8 | 10 | 19 | | 12 |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | < 0.05 |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | | < 0.25 |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | 16 | 7.1 | 6.5 | 5.5 | 19 | | 12 |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | 5.4 | < 2.0 | < 2.0 | 3.6 | 3.0 | | 8.4 |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | 1.4 | 1.3 | 1.2 | 1.5 | 1.3 | | 1.1 |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | 22 | 8.0 | 6.5 | 9.0 | 22 | | 20 |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | 34 | 14 | 12 | 19 | 41 | | 32 |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | 22 | < 10 | < 10 | 10 | 19 | | 12 |
| Benzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Toluene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Ethylbenzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| m & p-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| o-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Methyl Tert-Butyl Ether | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 |
| Naphthalene | | M | 2800 | mg/kg | 0.10 | < 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 | | < 0.10 |
| Acenaphthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |
| Fluorene | | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |
| Phenanthrene | | M | 2800 | mg/kg | 0.10 | 1.2 | < 0.10 | 0.97 | < 0.10 | < 0.10 | | 1.0 |
| Anthracene | | M | 2800 | mg/kg | 0.10 | 0.28 | < 0.10 | 0.20 | < 0.10 | < 0.10 | | 0.25 |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | 1.4 | < 0.10 | 1.3 | 0.23 | 0.24 | | 2.2 |
| Pyrene | | M | 2800 | mg/kg | 0.10 | 1.2 | < 0.10 | 0.98 | 0.17 | 0.27 | | 1.8 |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | 0.71 | < 0.10 | 0.43 | < 0.10 | < 0.10 | | 1.2 |
| Chrysene | | M | 2800 | mg/kg | 0.10 | 0.67 | < 0.10 | 0.38 | < 0.10 | < 0.10 | | 1.1 |
| Benzo[b]fluoranthene | | M | 2800 | mg/kg | 0.10 | 0.88 | < 0.10 | 0.45 | < 0.10 | < 0.10 | | 1.4 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775152 | 1775153 | 1775154 | 1775155 | 1775156 | 1775157 | 1775158 |
| Order No.: | | | | Client Sample Ref.: | | TP07 | TP08 | TP09 | TP09 | TP10 | TP10 | TP11 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.30 | 0.40 | 1.00 | 2.10 | 1.30 | 2.10 | 1.20 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY | COVENTRY | COVENTRY | | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | |
| Benzo[k]fluoranthene | | M | 2800 | mg/kg | 0.10 | 0.23 | < 0.10 | 0.18 | < 0.10 | < 0.10 | | 0.41 |
| Benzo[a]pyrene | | M | 2800 | mg/kg | 0.10 | 0.56 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | 1.1 |
| Indeno(1,2,3-c,d)Pyrene | | M | 2800 | mg/kg | 0.10 | 0.29 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | 0.65 |
| Dibenz(a,h)Anthracene | | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |
| Benzo[g,h,i]perylene | | M | 2800 | mg/kg | 0.10 | 0.48 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | 0.72 |
| Coronene | | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |
| Total Of 17 PAH's Lower | | N | 2800 | mg/kg | 1.0 | 7.9 | < 1.0 | 4.9 | < 1.0 | < 1.0 | | 12 |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775159 | 1775160 | 1775161 |
| Order No.: | | | | Client Sample Ref.: | | TP11 | TP12 | TP13 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.40 | 1.50 | 0.40 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY |
| **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 |
| Asbestos by Gravimetry | | U | 2192 | % | 0.001 | | | |
| Total Asbestos | | U | 2192 | % | 0.001 | | | |
| Moisture | | N | 2030 | % | 0.020 | 21 | 19 | 16 |
| Soil Colour | | N | 2040 | | N/A | Brown | Brown | Brown |
| Other Material | | N | 2040 | | N/A | Stones | Stones and Roots | Stones |
| Soil Texture | | N | 2040 | | N/A | Clay | Clay | Clay |
| pH (2.5:1) at 20C | | N | 2010 | | 4.0 | | | |
| Boron (Hot Water Soluble) | | M | 2120 | mg/kg | 0.40 | 0.66 | 0.70 | 0.66 |
| Magnesium (Water Soluble) | | N | 2120 | g/l | 0.010 | | | |
| Sulphate (2:1 Water Soluble) as SO4 | | M | 2120 | g/l | 0.010 | | | |
| Total Sulphur | | U | 2175 | % | 0.010 | | | |
| Sulphur (Elemental) | | M | 2180 | mg/kg | 1.0 | 1.1 | < 1.0 | < 1.0 |
| Chloride (Water Soluble) | | M | 2220 | g/l | 0.010 | | | |
| Nitrate (Water Soluble) | | N | 2220 | g/l | 0.010 | | | |
| Cyanide (Total) | | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | | N | 2325 | mg/kg | 0.50 | 2.3 | 3.3 | 3.5 |
| Ammonium (Water Soluble) | | M | 2220 | g/l | 0.01 | | | |
| Sulphate (Total) | | U | 2430 | % | 0.010 | 0.048 | 0.27 | 0.15 |
| Sulphate (Acid Soluble) | | U | 2430 | % | 0.010 | | | |
| Arsenic | | M | 2455 | mg/kg | 0.5 | 12 | 21 | 14 |
| Barium | | M | 2455 | mg/kg | 0.5 | 86 | 340 | 93 |
| Cadmium | | M | 2455 | mg/kg | 0.10 | 1.7 | 1.5 | 1.7 |
| Chromium | | M | 2455 | mg/kg | 0.5 | 18 | 24 | 18 |
| Molybdenum | | M | 2455 | mg/kg | 0.5 | 2.4 | 3.2 | 3.4 |
| Antimony | | N | 2455 | mg/kg | 2.0 | < 2.0 | 5.9 | 2.7 |
| Copper | | M | 2455 | mg/kg | 0.50 | 38 | 62 | 39 |
| Mercury | | M | 2455 | mg/kg | 0.05 | 0.11 | 0.39 | 0.20 |
| Nickel | | M | 2455 | mg/kg | 0.50 | 41 | 41 | 39 |
| Lead | | M | 2455 | mg/kg | 0.50 | 53 | 430 | 220 |
| Selenium | | M | 2455 | mg/kg | 0.25 | 0.82 | 1.4 | 1.3 |
| Zinc | | M | 2455 | mg/kg | 0.50 | 100 | 300 | 130 |
| Chromium (Trivalent) | | N | 2490 | mg/kg | 1.0 | 18 | 24 | 18 |
| Chromium (Hexavalent) | | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Aliphatic VPH >C5-C6 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C6-C7 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775159 | 1775160 | 1775161 |
| Order No.: | | | | Client Sample Ref.: | | TP11 | TP12 | TP13 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.40 | 1.50 | 0.40 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | |
| Aliphatic VPH >C7-C8 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic VPH >C8-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aliphatic VPH >C5-C10 | HS_2D_AL | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aliphatic EPH >C10-C12 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | 4.5 | 6.7 | 6.9 |
| Aliphatic EPH >C12-C16 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 1.00 | < 1.0 | 4.7 | 6.3 |
| Aliphatic EPH >C16-C21 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 2.00 | < 2.0 | < 2.0 | < 2.0 |
| Aliphatic EPH >C21-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 3.00 | 6.9 | 4.7 | 5.1 |
| Aliphatic EPH >C35-C40 MC | EH_2D_AL_#1 | N | 2690 | mg/kg | 10.00 | < 10 | < 10 | < 10 |
| Total Aliphatic EPH >C10-C35 MC | EH_2D_AL_#1 | M | 2690 | mg/kg | 5.00 | 11 | 17 | 20 |
| Aromatic VPH >C5-C7 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C7-C8 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic VPH >C8-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Total Aromatic VPH >C5-C10 | HS_2D_AR | U | 2780 | mg/kg | 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Aromatic EPH >C10-C12 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C12-C16 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 1.00 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic EPH >C16-C21 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | 7.3 | 9.4 | 2.8 |
| Aromatic EPH >C21-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 2.00 | < 2.0 | 9.4 | 7.3 |
| Aromatic EPH >C35-C40 MC | EH_2D_AR_#1 | N | 2690 | mg/kg | 1.00 | 1.3 | 9.8 | 1.2 |
| Total Aromatic EPH >C10-C35 MC | EH_2D_AR_#1 | U | 2690 | mg/kg | 5.00 | 8.7 | 20 | 11 |
| Total VPH >C5-C10 | HS_2D_Total | U | 2780 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total EPH >C10-C35 MC | EH_2D_Total_#1 | U | 2690 | mg/kg | 10.00 | 20 | 37 | 31 |
| Mineral Oil EPH | EH_CU_1D_Total | N | 2670 | mg/kg | 10 | 11 | 17 | 20 |
| Benzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 0.23 | < 0.10 |
| Acenaphthylene | | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 2.5 | < 0.10 |
| Fluorene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 2.8 | < 0.10 |
| Phenanthrene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 23 | 0.18 |
| Anthracene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 2.4 | < 0.10 |
| Fluoranthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 14 | 0.35 |
| Pyrene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 11 | 0.27 |
| Benzo[a]anthracene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 5.0 | < 0.10 |
| Chrysene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 4.7 | < 0.10 |
| Benzo[b]fluoranthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 5.2 | < 0.10 |

# Results - Soil

**Project: 25000-4 Basin View**

| **Client: IGSL** | | | | **Chemtest Job No.:** | | 24-06640 | 24-06640 | 24-06640 |
|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q20-21693 | | | | **Chemtest Sample ID.:** | | 1775159 | 1775160 | 1775161 |
| Order No.: | | | | Client Sample Ref.: | | TP11 | TP12 | TP13 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 2.40 | 1.50 | 0.40 |
| | | | | Date Sampled: | | 28-Feb-2024 | 28-Feb-2024 | 28-Feb-2024 |
| | | | | Asbestos Lab: | | COVENTRY | COVENTRY | COVENTRY |
| **Determinand** | **HWOL Code** | **Accred.** | **SOP** | **Units** | **LOD** | | | |
| Benzo[k]fluoranthene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 1.8 | < 0.10 |
| Benzo[a]pyrene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 4.2 | < 0.10 |
| Indeno(1,2,3-c,d)Pyrene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 2.0 | < 0.10 |
| Dibenz(a,h)Anthracene | | N | 2800 | mg/kg | 0.10 | < 0.10 | 0.62 | < 0.10 |
| Benzo[g,h,i]perylene | | M | 2800 | mg/kg | 0.10 | < 0.10 | 2.4 | < 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 | 82 | < 1.0 |
| PCB 28 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 101 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775125 | | | | | | | |
| **Sample Ref:** | BH9 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 4.8 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 6.0 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 7.7 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.064 | -- | 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 | 0.0044 | 0.044 | 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 | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0011 | 0.011 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0019 | 0.019 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0006 | 0.0059 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0009 | 0.0085 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0017 | 0.017 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.050 | 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 | 240 | 2400 | 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 | 6.5 | 65 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775126 | | | | | | | |
| **Sample Ref:** | BH10 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 0.84 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.2 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.0050 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0078 | 0.078 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | < 0.005 | < 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 | 0.0042 | 0.042 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0060 | 0.060 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0014 | 0.014 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0022 | 0.022 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0019 | 0.019 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0013 | 0.013 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.009 | 0.087 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.11 | 1.1 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 16 | 160 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 61 | 610 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 11 | 110 | 500 | 800 | 1000 |

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

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| **Chemtest Job No:** | 24-06640 | | | | | **Landfill Waste Acceptance Criteria Limits** | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Sample ID:** | 1775128 | | | | | | | |
| **Sample Ref:** | BH11 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 0.75 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.6 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 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 | 0.0006 | 0.0055 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | < 0.005 | < 0.050 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0016 | 0.016 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0007 | 0.0074 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0069 | 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 | 0.0006 | 0.0062 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.048 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.089 | < 1.0 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 1.9 | 19 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 34 | 340 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 7.8 | 78 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775129 | | | | | | | |
| **Sample Ref:** | BH12 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 3.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.0 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 21 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.0 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.026 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0016 | 0.016 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.033 | 0.33 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | 0.0026 | 0.026 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0017 | 0.017 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0014 | 0.014 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | < 0.0005 | < 0.0050 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0039 | 0.039 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0018 | 0.018 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0009 | 0.0087 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.006 | 0.059 | 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 | 150 | 1500 | 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 | 7.3 | 73 | 500 | 800 | 1000 |

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

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775130 | | | | | | | |
| **Sample Ref:** | BH12 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 3.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 1.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 10 | -- | -- | 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 | | 8.8 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.061 | -- | 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 | 0.0029 | 0.029 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.020 | 0.20 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | 0.0011 | 0.011 | 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 | 0.0062 | 0.062 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | < 0.0005 | < 0.0050 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0014 | 0.014 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0017 | 0.017 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0013 | 0.013 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.004 | 0.040 | 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 | 270 | 2700 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 330 | 3300 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 4.9 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 2.4 |

## 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775132 | | | | | | | |
| **Sample Ref:** | BH13 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 4.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.6 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 41 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.0090 | -- | 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 | 0.0020 | 0.020 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | < 0.005 | < 0.050 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0028 | 0.028 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0017 | 0.017 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0009 | 0.0091 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0017 | 0.017 | 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 | 0.085 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.12 | 1.2 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 5.5 | 55 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 38 | 380 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 8.2 | 82 | 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: 25000-4 Basin View**

| **Chemtest Job No:** | 24-06640 | | | | | **Landfill Waste Acceptance Criteria Limits** | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Sample ID:** | 1775134 | | | | | | | |
| **Sample Ref:** | TP01 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.60 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.3 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 20 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.0 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.0050 | -- | 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 | 0.0015 | 0.015 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.006 | 0.059 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0043 | 0.044 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0010 | 0.0096 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0021 | 0.021 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0013 | 0.013 | 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 | 0.011 | 0.11 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.12 | 1.2 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 41 | 410 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 11 | 110 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775135 | | | | | | | |
| **Sample Ref:** | TP02 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.20 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 3.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.8 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 88 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.1 | -- | >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 | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0031 | 0.031 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0005 | 0.0052 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0008 | 0.0078 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0010 | 0.010 | 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 | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.12 | 1.2 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 1.2 | 12 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 38 | 380 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 8.6 | 86 | 500 | 800 | 1000 |

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

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775136 | | | | | | | |
| **Sample Ref:** | BH1 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 3.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 1400 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.031 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0037 | 0.037 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.009 | 0.088 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | 0.0013 | 0.013 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0046 | 0.046 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0011 | 0.011 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0006 | 0.0062 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0037 | 0.037 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0029 | 0.029 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.014 | 0.14 | 4 | 50 | 200 |
| Chloride | 1220 | | U | 57 | 570 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.18 | 1.8 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 7.1 | 71 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 52 | 520 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 11 | 110 | 500 | 800 | 1000 |

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

**Waste Acceptance Criteria**

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775137 | | | | | | | |
| **Sample Ref:** | BH1 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 2.9 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.8 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 110 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.0 | -- | >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 | 0.0017 | 0.017 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.036 | 0.36 | 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 | 0.0014 | 0.014 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.014 | 0.14 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0009 | 0.0092 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0012 | 0.012 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0074 | 0.074 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0027 | 0.027 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.049 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.24 | 2.4 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 100 | 1000 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 200 | 2000 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 14 | 140 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775139 | | | | | | | |
| **Sample Ref:** | BH2 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 3.1 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.3 | -- | -- | 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 | 190 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 9.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.020 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.015 | 0.15 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.007 | 0.073 | 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 | 0.020 | 0.20 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.012 | 0.12 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0037 | 0.037 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0056 | 0.056 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0016 | 0.016 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0024 | 0.024 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.011 | 0.11 | 4 | 50 | 200 |
| Chloride | 1220 | | U | 3.0 | 30 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.67 | 6.7 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 24 | 240 | 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 | 30 | 300 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775140 | | | | | | | |
| **Sample Ref:** | BH3 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 3.1 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 90 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 9.2 | -- | >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 | 0.015 | 0.15 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.007 | 0.067 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.017 | 0.17 | 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 | 0.0035 | 0.035 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0013 | 0.013 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0015 | 0.016 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0028 | 0.028 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.014 | 0.14 | 4 | 50 | 200 |
| Chloride | 1220 | | U | 2.7 | 27 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.76 | 7.6 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 26 | 260 | 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 | 29 | 290 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775142 | | | | | | | |
| **Sample Ref:** | BH3 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 3.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 1.1 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 2.0 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.8 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.035 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0003 | 0.0028 | 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 | 0.0011 | 0.011 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.014 | 0.13 | 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 | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.004 | 0.036 | 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 | 6.5 | 65 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 59 | 590 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 20 | 200 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775143 | | | | | | | |
| **Sample Ref:** | BH4 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 2.3 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.8 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 520 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.054 | -- | 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 | 0.0042 | 0.042 | 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 | 0.0012 | 0.012 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0061 | 0.061 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0052 | 0.052 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0013 | 0.013 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0062 | 0.062 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0041 | 0.041 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0008 | 0.0083 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.007 | 0.072 | 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 | 14 | 140 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 81 | 810 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 15 | 150 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775145 | | | | | | | |
| **Sample Ref:** | BH5 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 3.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 69 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 9.7 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.024 | -- | 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 | 0.019 | 0.19 | 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 | 0.0022 | 0.022 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0048 | 0.048 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0083 | 0.083 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0009 | 0.0088 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0055 | 0.055 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0024 | 0.024 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0007 | 0.0074 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.051 | 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 | 9.4 | 94 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 56 | 550 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 13 | 130 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Chemtest Sample ID:** | 1775146 | | | | | | | |
| **Sample Ref:** | BH6 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 1.3 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.0 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 82 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.031 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0034 | 0.034 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.014 | 0.14 | 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 | 0.0014 | 0.014 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0052 | 0.052 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0070 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0037 | 0.038 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0015 | 0.015 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0014 | 0.014 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.007 | 0.071 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.11 | 1.1 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 17 | 170 | 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 | 9.4 | 94 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775147 | | | | | | | |
| **Sample Ref:** | BH7 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 2.8 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 5.9 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 130 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.051 | -- | 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 | 0.0031 | 0.031 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.006 | 0.058 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0027 | 0.027 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0029 | 0.029 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0010 | 0.010 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0012 | 0.013 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0012 | 0.012 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.004 | 0.044 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.10 | 1.0 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 11 | 110 | 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 | 54 | 540 | 500 | 800 | 1000 |

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

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775148 | | | | | | | |
| **Sample Ref:** | TP03 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 2.8 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 6.4 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 120 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.020 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0025 | 0.025 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.006 | 0.062 | 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 | 0.0052 | 0.052 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0008 | 0.0082 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0075 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0015 | 0.015 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0010 | 0.0095 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.21 | 2.1 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.19 | 1.9 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 43 | 420 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 15 | 150 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Chemtest Sample ID:** | 1775149 | | | | | | | |
| **Sample Ref:** | TP04 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.30 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 3.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 8.0 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 120 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 7.7 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.034 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0019 | 0.019 | 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 | 0.0030 | 0.030 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0006 | 0.0064 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0006 | 0.0065 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0006 | 0.0064 | 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 | 0.006 | 0.064 | 4 | 50 | 200 |
| Chloride | 1220 | | U | 1.1 | 11 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.096 | < 1.0 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 2.6 | 26 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 60 | 600 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 8.2 | 82 | 500 | 800 | 1000 |

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

**Waste Acceptance Criteria**

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775150 | | | | | | | |
| **Sample Ref:** | TP05 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.60 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.4 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 77 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.035 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0020 | 0.020 | 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 | 0.0026 | 0.026 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0014 | 0.014 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0073 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0012 | 0.012 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0005 | 0.0052 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0007 | 0.0074 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.010 | 0.096 | 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 | 1.1 | 11 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 40 | 390 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 9.9 | 99 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775151 | | | | | | | |
| **Sample Ref:** | TP06 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.30 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 170 | 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 | 0.0019 | 0.019 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.005 | 0.051 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | 0.0015 | 0.015 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0017 | 0.017 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0004 | 0.0042 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | < 0.0005 | < 0.0050 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0016 | 0.016 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0012 | 0.012 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | 0.0005 | 0.0051 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.008 | 0.082 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.11 | 1.1 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 7.7 | 77 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 46 | 450 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 9.2 | 92 | 500 | 800 | 1000 |

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

**Waste Acceptance Criteria**

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| **Chemtest Job No:** | 24-06640 | | | | | **Landfill Waste Acceptance Criteria Limits** | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Sample ID:** | 1775152 | | | | | | | |
| **Sample Ref:** | TP07 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.30 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 4.9 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 7.7 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 94 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.024 | -- | 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 | 0.0021 | 0.021 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.006 | 0.062 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | 0.0007 | 0.0068 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0018 | 0.018 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0011 | 0.011 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | < 0.0005 | < 0.0050 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0014 | 0.014 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0006 | 0.0055 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.047 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.11 | 1.1 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 2.5 | 25 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 41 | 410 | 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 (%) | 14 |

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775153 | | | | | | | |
| **Sample Ref:** | TP08 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.40 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.9 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.9 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 61 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.019 | -- | 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 | 0.0023 | 0.023 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.005 | 0.051 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0037 | 0.037 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0006 | 0.0062 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0067 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0013 | 0.013 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0010 | 0.010 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.007 | 0.065 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.13 | 1.3 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 2.2 | 22 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 43 | 430 | 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 (%) | 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: 25000-4 Basin View**

| **Chemtest Job No:** | 24-06640 | | | | | **Landfill Waste Acceptance Criteria Limits** | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Sample ID:** | 1775154 | | | | | | | |
| **Sample Ref:** | TP09 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 1.8 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 1.1 | -- | -- | 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 | 0.031 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0013 | 0.013 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.007 | 0.074 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0011 | 0.011 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0011 | 0.011 | 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 | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.008 | 0.076 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.10 | 1.0 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 32 | 310 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 8.2 | 82 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775155 | | | | | | | |
| **Sample Ref:** | TP09 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 2.10 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.8 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 95 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.012 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0018 | 0.018 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.005 | 0.051 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0020 | 0.020 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0006 | 0.0062 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0006 | 0.0065 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0007 | 0.0071 | 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 | 0.087 | 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 | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 41 | 410 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 10 | 100 | 500 | 800 | 1000 |

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

## Waste Acceptance Criteria

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

# Results - Single Stage WAC

**Project: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775156 | | | | | | | |
| **Sample Ref:** | TP10 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.30 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 1.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 3.2 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.026 | -- | 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 | < 0.005 | < 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 | 0.0021 | 0.021 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0011 | 0.011 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0006 | 0.0059 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0008 | 0.0076 | 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 | 0.008 | 0.083 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.18 | 1.8 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 3.3 | 33 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 45 | 450 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 10 | 100 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775158 | | | | | | | |
| **Sample Ref:** | TP11 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.20 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 3.7 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 8.5 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 110 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.1 | -- | >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 | 0.0020 | 0.020 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | 0.005 | 0.053 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0037 | 0.037 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0010 | 0.0095 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0065 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0009 | 0.0093 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0005 | 0.0054 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.005 | 0.048 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.15 | 1.5 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | < 1.0 | < 10 | 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 | 10 | 100 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775159 | | | | | | | |
| **Sample Ref:** | TP11 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 2.40 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 1.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.1 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | < 10 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.0040 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | | U | 0.0004 | 0.0036 | 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 | 0.0013 | 0.013 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0004 | 0.0037 | 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 | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.008 | 0.078 | 4 | 50 | 200 |
| Chloride | 1220 | | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | | U | 0.11 | 1.1 | 10 | 150 | 500 |
| Sulphate | 1220 | | U | 4.6 | 46 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 39 | 390 | 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 (%) | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775160 | | | | | | | |
| **Sample Ref:** | TP12 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | | M | % | 2.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.5 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 75 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.017 | -- | 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 | 0.0025 | 0.025 | 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 | 0.0022 | 0.022 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0009 | 0.0094 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | < 0.0005 | < 0.0050 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0020 | 0.020 | 0.5 | 10 | 50 |
| Antimony | 1455 | | U | 0.0012 | 0.012 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | | U | < 0.0005 | < 0.0050 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | | U | 0.008 | 0.077 | 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 | 28 | 280 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 77 | 770 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 9.5 | 95 | 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: 25000-4 Basin View**

| | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 24-06640 | | | | | | | |
| **Chemtest Sample ID:** | 1775161 | | | | | | | |
| **Sample Ref:** | TP13 | | | | | | | |
| **Sample ID:** | | | | | | | | |
| **Sample Location:** | | | | | | | | |
| **Top Depth(m):** | 0.40 | | | | | | | |
| **Bottom Depth(m):** | | | | | | | | |
| **Sampling Date:** | 28-Feb-2024 | | | | | | | |
| **Determinand** | **SOP** | **HWOL Code** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | | M | % | 1.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | | M | % | 4.9 | -- | -- | 10 |
| Total BTEX | 2760 | | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC | 2670 | EH_CU_1D_Total | M | mg/kg | 77 | 500 | -- | -- |
| Total (of 17) PAHs | | | | | | 100 | -- | -- |
| pH at 20C | 2010 | | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | | N | mol/kg | 0.017 | -- | 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 | 0.0023 | 0.023 | 0.5 | 2 | 25 |
| Barium | 1455 | | U | < 0.005 | < 0.050 | 20 | 100 | 300 |
| Cadmium | 1455 | | U | < 0.00011 | < 0.0011 | 0.04 | 1 | 5 |
| Chromium | 1455 | | U | < 0.0005 | < 0.0050 | 0.5 | 10 | 70 |
| Copper | 1455 | | U | 0.0025 | 0.025 | 2 | 50 | 100 |
| Mercury | 1455 | | U | < 0.00005 | < 0.00050 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | | U | 0.0021 | 0.021 | 0.5 | 10 | 30 |
| Nickel | 1455 | | U | 0.0007 | 0.0066 | 0.4 | 10 | 40 |
| Lead | 1455 | | U | 0.0008 | 0.0075 | 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 | 0.008 | 0.083 | 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 | 2.8 | 28 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | | N | 43 | 430 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | | U | 9.6 | 96 | 500 | 800 | 1000 |

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

**Waste Acceptance Criteria**

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

# 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.

PVGDK-UG09I-GO78H

## Job name

24-001-11 Basin View (17 05 04)

## Description/Comments

17 No. Composite Samples from 9 No. Cable Percussion Boreholes and 7 No. Trial Pits.

## Project

24-001-11

## Site

Basin View

## Classified by

Name:
**Austin Hynes**
Date:
**20 Mar 2024 10:28 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

Basin View **Post Code** NA

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Site Investigation

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

Excavation

## Description of the waste

Soil and Stone

## Job summary

| # | Sample name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 1 | BH1 | 1.00 | Non Hazardous | | 3 |
| 2 | BH2 | 1.00 | Non Hazardous | | 6 |
| 3 | BH3 | 3.00 | Non Hazardous | | 9 |
| 4 | BH4 | 1.00 | Non Hazardous | | 12 |
| 5 | BH9 | 2.00 | Non Hazardous | | 15 |
| 6 | BH10 | 1.00 | Non Hazardous | | 18 |
| 7 | BH11 | 1.00 | Non Hazardous | | 21 |
| 8 | BH12 | 1.00 | Non Hazardous | | 24 |
| 9 | BH12[2] | 3.00 | Non Hazardous | | 27 |
| 10 | BH13 | 1.00 | Non Hazardous | | 30 |
| 11 | TP01 | 0.60 | Non Hazardous | | 33 |
| 12 | TP03 | 0.50 | Non Hazardous | | 36 |
| 13 | TP05 | 0.60 | Non Hazardous | | 39 |
| 14 | TP06 | 1.30 | Non Hazardous | | 42 |
| 15 | TP07 | 1.30 | Non Hazardous | | 45 |
| 16 | TP11 | 2.40 | Non Hazardous | | 48 |
| 17 | TP13 | 0.40 | Non Hazardous | | 51 |

## 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: 20 Mar 2024 10:28 GMT

## Classification of sample: BH1

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

## Sample details

Sample name:
**BH1**
Sample Depth:
**1.00 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 | | 9 mg/kg | 1.197 | 10.774 mg/kg | 0.00108 % | | |
| 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 | | 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 | | 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 | | 120 mg/kg | 1.126 | 135.107 mg/kg | 0.0135 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 330 mg/kg | 1.56 | 514.739 mg/kg | 0.033 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.88 mg/kg | 1.353 | 1.191 mg/kg | 0.000119 % | | |
| 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 | | 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 | | 1.2 mg/kg | 2.554 | 3.065 mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 280 mg/kg | 2.774 | 776.761 mg/kg | 0.0777 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 240 mg/kg | | 240 mg/kg | 0.024 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | **<LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | 0.5 | mg/kg | 1.884 | 0.942 | mg/kg | 0.0000942 % | | |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | 0.31 | mg/kg | | 0.31 | mg/kg | 0.000031 % | | |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | 0.26 | mg/kg | | 0.26 | mg/kg | 0.000026 % | | |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | 0.75 | mg/kg | | 0.75 | mg/kg | 0.000075 % | | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | 0.6 | mg/kg | | 0.6 | mg/kg | 0.00006 % | | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 8.9 | mg/kg | | 8.9 | mg/kg | 0.00089 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 2.9 | mg/kg | | 2.9 | mg/kg | 0.00029 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 24 | mg/kg | | 24 | mg/kg | 0.0024 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 21 | mg/kg | | 21 | mg/kg | 0.0021 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 15 | mg/kg | | 15 | mg/kg | 0.0015 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 14 | mg/kg | | 14 | mg/kg | 0.0014 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 20 | mg/kg | | 20 | mg/kg | 0.002 % | | |
| | | 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 | | | | 16 | mg/kg | | 16 | mg/kg | 0.0016 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 9.2 | mg/kg | | 9.2 | mg/kg | 0.00092 % | | |
| | | | 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 | | | | 9.3 | mg/kg | | 9.3 | mg/kg | 0.00093 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <**LOD** |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <**LOD** |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.183 % | | |

| Key | |
|---|---|
| | User 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.: 0.024%)

## Classification of sample: BH2

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

## Sample details

Sample name:
**BH2**
Sample Depth:
**1.00 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 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 12 mg/kg | 1.32 | 15.844 mg/kg | 0.00158 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.99 mg/kg | 3.22 | 3.188 mg/kg | 0.000319 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 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 | | 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 | | 45 mg/kg | 1.126 | 50.665 mg/kg | 0.00507 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 110 mg/kg | 1.56 | 171.58 mg/kg | 0.011 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.31 mg/kg | 1.353 | 0.42 mg/kg | 0.000042 % | | |
| 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 | | 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 | | 1.4 mg/kg | 2.554 | 3.575 mg/kg | 0.000358 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 180 mg/kg | 2.774 | 499.346 mg/kg | 0.0499 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 26 mg/kg | | 26 mg/kg | 0.0026 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.56 | mg/kg | | 0.56 | mg/kg | 0.000056 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.1 | mg/kg | | 0.1 | mg/kg | 0.00001 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 0.8 | mg/kg | | 0.8 | mg/kg | 0.00008 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.69 | mg/kg | | 0.69 | mg/kg | 0.000069 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.45 | mg/kg | | 0.45 | mg/kg | 0.000045 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.4 | mg/kg | | 0.4 | mg/kg | 0.00004 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.54 | mg/kg | | 0.54 | mg/kg | 0.000054 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.17 | mg/kg | | 0.17 | mg/kg | 0.000017 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.47 | mg/kg | | 0.47 | mg/kg | 0.000047 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.32 | mg/kg | | 0.32 | mg/kg | 0.000032 % | | |
| | | | 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 | | | | 0.33 | mg/kg | | 0.33 | mg/kg | 0.000033 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0859 % | | |

| Key | |
|---|---|
| | User 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: BH3

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

## Sample details

Sample name:
**BH3**
Sample Depth:
**3.00 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 % | | <LOD |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 14 mg/kg | 1.32 | 18.485 mg/kg | 0.00185 % | | |
| 3 | 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 mg/kg | 1.142 | 3.427 mg/kg | 0.000343 % | | |
| 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 | | 39 mg/kg | 1.126 | 43.91 mg/kg | 0.00439 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 27 mg/kg | 1.56 | 42.115 mg/kg | 0.0027 % | | |
| 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 | | 5.5 mg/kg | 1.5 | 8.251 mg/kg | 0.000825 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 59 mg/kg | 2.976 | 175.6 mg/kg | 0.0176 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.7 mg/kg | 2.554 | 4.342 mg/kg | 0.000434 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 120 mg/kg | 2.774 | 332.898 mg/kg | 0.0333 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 14 mg/kg | | 14 mg/kg | 0.0014 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | <0.5 | mg/kg | 1.884 | <0.942 | mg/kg | <0.0000942 % | | <LOD |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0662 % | | |

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

## Supplementary Hazardous Property Information

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

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

## Classification of sample: BH4

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

## Sample details

Sample name:
**BH4**
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 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 6.6 mg/kg | 1.32 | 8.714 mg/kg | 0.000871 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 1.3 mg/kg | 3.22 | 4.186 mg/kg | 0.000419 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.72 mg/kg | 1.142 | 0.822 mg/kg | 0.0000822 % | | |
| 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 | | 26 mg/kg | 1.126 | 29.273 mg/kg | 0.00293 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 49 mg/kg | 1.56 | 76.431 mg/kg | 0.0049 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.16 mg/kg | 1.353 | 0.217 mg/kg | 0.0000217 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 1.5 mg/kg | 1.5 | 2.25 mg/kg | 0.000225 % | | |
| 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 | | 1.2 mg/kg | 2.554 | 3.065 mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 100 mg/kg | 2.774 | 277.415 mg/kg | 0.0277 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 410 mg/kg | | 410 mg/kg | 0.041 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.46 | mg/kg | | 0.46 | mg/kg | 0.000046 % | | |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | 0.1 | mg/kg | | 0.1 | mg/kg | 0.00001 % | | |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | 0.96 | mg/kg | | 0.96 | mg/kg | 0.000096 % | | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | 0.84 | mg/kg | | 0.84 | mg/kg | 0.000084 % | | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 7.5 | mg/kg | | 7.5 | mg/kg | 0.00075 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 2.4 | mg/kg | | 2.4 | mg/kg | 0.00024 % | | |
| | | | 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 | | | | 6.2 | mg/kg | | 6.2 | mg/kg | 0.00062 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 6.4 | mg/kg | | 6.4 | mg/kg | 0.00064 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 7.6 | mg/kg | | 7.6 | mg/kg | 0.00076 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 3.2 | mg/kg | | 3.2 | mg/kg | 0.00032 % | | |
| | | 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 | | | | 0.92 | mg/kg | | 0.92 | mg/kg | 0.000092 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 3.5 | mg/kg | | 3.5 | mg/kg | 0.00035 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0959 % | | |

| Key | |
|---|---|
| | User 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.: 0.041%)

## Classification of sample: BH9

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

## Sample details

Sample name:
**BH9**
Sample Depth:
**2.00 m**
Moisture content:
**22%**
(no correction)

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

## Hazard properties

None identified

## Determinands

Moisture content: 22% No Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.6 | mg/kg | 1.197 | 3.112 | mg/kg | 0.000311 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.88 | mg/kg | 3.22 | 2.833 | mg/kg | 0.000283 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 1.2 | 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 | | 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 | | 32 | mg/kg | 1.126 | 36.028 | mg/kg | 0.0036 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 330 | mg/kg | 1.56 | 514.739 | mg/kg | 0.033 % | | |
| 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 | | 5.3 | mg/kg | 1.5 | 7.951 | mg/kg | 0.000795 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 38 | mg/kg | 2.976 | 113.098 | mg/kg | 0.0113 % | | |
| 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 chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 260 | mg/kg | 2.774 | 721.278 | mg/kg | 0.0721 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 16 | mg/kg | | 16 | mg/kg | 0.0016 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.17 | mg/kg | | 0.17 | mg/kg | 0.000017 % | | |
| | | | 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 | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.2 | mg/kg | | 0.2 | mg/kg | 0.00002 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.13 | mg/kg | | 0.13 | mg/kg | 0.000013 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.1 | mg/kg | | 0.1 | mg/kg | 0.00001 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | | asbestos | | | | 95 | mg/kg | | 95 | mg/kg | 0.0095 % | | |
| | | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.14 % | | |

| Key | |
|---|---|
| | User 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: 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:
**24%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 18 mg/kg | 1.32 | 23.766 mg/kg | 0.00238 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.95 mg/kg | 3.22 | 3.059 mg/kg | 0.000306 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 2.1 mg/kg | 1.142 | 2.399 mg/kg | 0.00024 % | | |
| 5 | chromium in chromium(III) compounds { chromium(III) oxide (worst case) } | | 215-160-9 | 1308-38-9 | | 22 mg/kg | 1.462 | 32.154 mg/kg | 0.00322 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 mg/kg | 2.27 | <1.135 mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 63 mg/kg | 1.126 | 70.931 mg/kg | 0.00709 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 140 mg/kg | 1.56 | 218.374 mg/kg | 0.014 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.41 mg/kg | 1.353 | 0.555 mg/kg | 0.0000555 % | | |
| 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 | | 46 mg/kg | 2.976 | 136.908 mg/kg | 0.0137 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.1 mg/kg | 2.554 | 2.809 mg/kg | 0.000281 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 130 mg/kg | 2.774 | 360.639 mg/kg | 0.0361 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 22 mg/kg | | 22 mg/kg | 0.0022 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.39 | mg/kg | | 0.39 | mg/kg | 0.000039 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.3 | mg/kg | | 0.3 | mg/kg | 0.00003 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0806 % | | |

| Key | |
|---|---|
| | User 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.: 0.0022%)

## Classification of sample: BH11

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

## Sample details

Sample name:
**BH11**
Sample Depth:
**1.00 m**
Moisture content:
**21%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.3 | mg/kg | 1.197 | 2.753 | mg/kg | 0.000275 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.55 | mg/kg | 3.22 | 1.771 | mg/kg | 0.000177 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 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 | | 56 | mg/kg | 1.126 | 63.05 | mg/kg | 0.0063 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 70 | mg/kg | 1.56 | 109.187 | mg/kg | 0.007 % | | |
| 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 | | 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 | | 71 | mg/kg | 2.976 | 211.315 | mg/kg | 0.0211 % | | |
| 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 chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 150 | mg/kg | 2.774 | 416.122 | mg/kg | 0.0416 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 17 | mg/kg | | 17 | mg/kg | 0.0017 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | <0.5 | mg/kg | 1.884 | <0.942 | mg/kg | <0.0000942 % | | <LOD |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0865 % | | |

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

## Supplementary Hazardous Property Information

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

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

Hazard Statements hit:

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

Because of determinand:

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

## Classification of sample: 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 | | 4.5 mg/kg | 1.197 | 5.387 mg/kg | 0.000539 % | | |
| 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 | 0.66 mg/kg | 3.22 | 2.125 mg/kg | 0.000213 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.92 mg/kg | 1.142 | 1.051 mg/kg | 0.000105 % | | |
| 5 | chromium in chromium(III) compounds { chromium(III) oxide (worst case) } | | 215-160-9 | 1308-38-9 | | 12 mg/kg | 1.462 | 17.539 mg/kg | 0.00175 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 mg/kg | 2.27 | <1.135 mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 32 mg/kg | 1.126 | 36.028 mg/kg | 0.0036 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 780 mg/kg | 1.56 | 1216.656 mg/kg | 0.078 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.39 mg/kg | 1.353 | 0.528 mg/kg | 0.0000528 % | | |
| 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 | | 18 mg/kg | 2.976 | 53.573 mg/kg | 0.00536 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.5 mg/kg | 2.554 | 3.831 mg/kg | 0.000383 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 290 mg/kg | 2.774 | 804.502 mg/kg | 0.0805 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 19 mg/kg | | 19 mg/kg | 0.0019 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | 0.6 | mg/kg | 1.884 | 1.13 | mg/kg | 0.000113 % | | |
| | 006-007-00-5 | | | | | | | | | | | |
| 21 | naphthalene | | | | <0.1 | 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 | | | | 0.37 | mg/kg | | 0.37 | mg/kg | 0.000037 % | | |
| | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | anthracene | | | | 0.12 | mg/kg | | 0.12 | mg/kg | 0.000012 % | | |
| | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | fluoranthene | | | | 0.59 | mg/kg | | 0.59 | mg/kg | 0.000059 % | | |
| | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | pyrene | | | | 0.51 | mg/kg | | 0.51 | mg/kg | 0.000051 % | | |
| | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | asbestos | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | Total: | 0.175 % | | |

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

## 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.: 0.0019%)

## Classification of sample: BH12[2]

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

## Sample details

Sample name:
**BH12[2]**
Sample Depth:
**3.00 m**
Moisture content:
**2.5%**
(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: 2.5% 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 | | 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 | | 14 mg/kg | 1.32 | 18.485 mg/kg | 0.00185 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 1.4 mg/kg | 3.22 | 4.508 mg/kg | 0.000451 % | | |
| 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 | | 20 mg/kg | 1.462 | 29.231 mg/kg | 0.00292 % | | |
| 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 chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 770 mg/kg | 1.56 | 1201.058 mg/kg | 0.077 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.42 mg/kg | 1.353 | 0.568 mg/kg | 0.0000568 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 2.7 mg/kg | 1.5 | 4.051 mg/kg | 0.000405 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 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 | | 1.7 mg/kg | 2.554 | 4.342 mg/kg | 0.000434 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 300 mg/kg | 2.774 | 832.244 mg/kg | 0.0832 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 12 mg/kg | | 12 mg/kg | 0.0012 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.24 | mg/kg | | 0.24 | mg/kg | 0.000024 % | | |
| | | | 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 | | | | 0.38 | mg/kg | | 0.38 | mg/kg | 0.000038 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.34 | mg/kg | | 0.34 | mg/kg | 0.000034 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.179 % | | |

| Key | |
|---|---|
| | User 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.: 0.0012%)

## Classification of sample: BH13

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

## Sample details

Sample name:
**BH13**
Sample Depth:
**1.00 m**
Moisture content:
**19%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 5 mg/kg | 1.197 | 5.986 mg/kg | 0.000599 % | | |
| 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 | 0.62 mg/kg | 3.22 | 1.996 mg/kg | 0.0002 % | | |
| 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 | | 22 mg/kg | 1.462 | 32.154 mg/kg | 0.00322 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 mg/kg | 2.27 | <1.135 mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 100 mg/kg | 1.126 | 112.589 mg/kg | 0.0113 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 150 mg/kg | 1.56 | 233.972 mg/kg | 0.015 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.41 mg/kg | 1.353 | 0.555 mg/kg | 0.0000555 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 4.7 mg/kg | 1.5 | 7.051 mg/kg | 0.000705 % | | |
| 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 | | 1.7 mg/kg | 2.554 | 4.342 mg/kg | 0.000434 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 160 mg/kg | 2.774 | 443.863 mg/kg | 0.0444 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 33 mg/kg | | 33 mg/kg | 0.0033 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | <0.5 | mg/kg | 1.884 | <0.942 | mg/kg | <0.0000942 % | | <LOD |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | 0.14 | mg/kg | | 0.14 | mg/kg | 0.000014 % | | |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | 0.59 | mg/kg | | 0.59 | mg/kg | 0.000059 % | | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | 0.52 | mg/kg | | 0.52 | mg/kg | 0.000052 % | | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 5.1 | mg/kg | | 5.1 | mg/kg | 0.00051 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.75 | mg/kg | | 0.75 | mg/kg | 0.000075 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 5 | mg/kg | | 5 | mg/kg | 0.0005 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 4 | mg/kg | | 4 | mg/kg | 0.0004 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 2.4 | mg/kg | | 2.4 | mg/kg | 0.00024 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 2.1 | mg/kg | | 2.1 | mg/kg | 0.00021 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 3.1 | mg/kg | | 3.1 | mg/kg | 0.00031 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.99 | mg/kg | | 0.99 | mg/kg | 0.000099 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 2.3 | mg/kg | | 2.3 | mg/kg | 0.00023 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 1.4 | mg/kg | | 1.4 | mg/kg | 0.00014 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | 0.42 | mg/kg | | 0.42 | mg/kg | 0.000042 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 1.4 | mg/kg | | 1.4 | mg/kg | 0.00014 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | | asbestos | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.102 % | | |

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

## Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous 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: TP01

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

## Sample details

Sample name:
**TP01**
Sample Depth:
**0.60 m**
Moisture content:
**16%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 | mg/kg | 1.197 | <2.394 | mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.92 | mg/kg | 3.22 | 2.962 | mg/kg | 0.000296 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.94 | mg/kg | 1.142 | 1.074 | mg/kg | 0.000107 % | | |
| 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 | | 41 | mg/kg | 1.126 | 46.161 | mg/kg | 0.00462 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 63 | mg/kg | 1.56 | 98.268 | mg/kg | 0.0063 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.16 | mg/kg | 1.353 | 0.217 | mg/kg | 0.0000217 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 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 | | 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 | | 1.2 | mg/kg | 2.554 | 3.065 | mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 100 | mg/kg | 2.774 | 277.415 | mg/kg | 0.0277 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 19 | mg/kg | | 19 | mg/kg | 0.0019 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.22 | mg/kg | | 0.22 | mg/kg | 0.000022 % | | |
| | | | 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 | | | | 0.36 | mg/kg | | 0.36 | mg/kg | 0.000036 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.36 | mg/kg | | 0.36 | mg/kg | 0.000036 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.22 | mg/kg | | 0.22 | mg/kg | 0.000022 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.19 | mg/kg | | 0.19 | mg/kg | 0.000019 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.35 | mg/kg | | 0.35 | mg/kg | 0.000035 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.11 | mg/kg | | 0.11 | mg/kg | 0.000011 % | | |
| | | 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 | | | | 0.15 | mg/kg | | 0.15 | mg/kg | 0.000015 % | | |
| | | | 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 | | | | 0.19 | mg/kg | | 0.19 | mg/kg | 0.000019 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0566 % | | |

| Key | |
|---|---|
| | User 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.: 0.0019%)

## Classification of sample: TP03

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

## Sample details

Sample name:
**TP03**
Sample Depth:
**0.50 m**
Moisture content:
**19%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.9 mg/kg | 1.197 | 3.472 mg/kg | 0.000347 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 14 mg/kg | 1.32 | 18.485 mg/kg | 0.00185 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 1.1 mg/kg | 3.22 | 3.542 mg/kg | 0.000354 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 1.1 mg/kg | 1.142 | 1.257 mg/kg | 0.000126 % | | |
| 5 | chromium in chromium(III) compounds { chromium(III) oxide (worst case) } | | 215-160-9 | 1308-38-9 | | 22 mg/kg | 1.462 | 32.154 mg/kg | 0.00322 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 mg/kg | 2.27 | <1.135 mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 120 mg/kg | 1.126 | 135.107 mg/kg | 0.0135 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 140 mg/kg | 1.56 | 218.374 mg/kg | 0.014 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.35 mg/kg | 1.353 | 0.474 mg/kg | 0.0000474 % | | |
| 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 | | 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 | | 1.2 mg/kg | 2.554 | 3.065 mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 180 mg/kg | 2.774 | 499.346 mg/kg | 0.0499 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 27 mg/kg | | 27 mg/kg | 0.0027 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.18 | mg/kg | | 0.18 | mg/kg | 0.000018 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 1.6 | mg/kg | | 1.6 | mg/kg | 0.00016 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.3 | mg/kg | | 1.3 | mg/kg | 0.00013 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.8 | mg/kg | | 0.8 | mg/kg | 0.00008 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.72 | mg/kg | | 0.72 | mg/kg | 0.000072 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.37 | mg/kg | | 0.37 | mg/kg | 0.000037 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.81 | mg/kg | | 0.81 | mg/kg | 0.000081 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.58 | mg/kg | | 0.58 | mg/kg | 0.000058 % | | |
| | | | 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 | | | | 0.57 | mg/kg | | 0.57 | mg/kg | 0.000057 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0983 % | | |

| Key | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated 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: TP05

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

## Sample details

Sample name:
**TP05**
Sample Depth:
**0.60 m**
Moisture content:
**12%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <LOD |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.47 mg/kg | 3.22 | 1.513 mg/kg | 0.000151 % | | |
| 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 | | 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 | | 33 mg/kg | 1.126 | 37.154 mg/kg | 0.00372 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 96 mg/kg | 1.56 | 149.742 mg/kg | 0.0096 % | | |
| 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 | | 2.2 mg/kg | 1.5 | 3.3 mg/kg | 0.00033 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 34 mg/kg | 2.976 | 101.193 mg/kg | 0.0101 % | | |
| 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 chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 120 mg/kg | 2.774 | 332.898 mg/kg | 0.0333 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 21 mg/kg | | 21 mg/kg | 0.0021 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.5 | mg/kg | | 0.5 | mg/kg | 0.00005 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.45 | mg/kg | | 0.45 | mg/kg | 0.000045 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | | asbestos | | | | 8 | mg/kg | | 8 | mg/kg | 0.0008 % | | |
| | | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0647 % | | |

| Key | |
|---|---|
| | User 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.: 0.0021%)

## Classification of sample: TP06

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

## Sample details

Sample name:
**TP06**
Sample Depth:
**1.30 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 | | 5.7 mg/kg | 1.197 | 6.823 mg/kg | 0.000682 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 14 mg/kg | 1.32 | 18.485 mg/kg | 0.00185 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.67 mg/kg | 3.22 | 2.157 mg/kg | 0.000216 % | | |
| 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 | | 20 mg/kg | 1.462 | 29.231 mg/kg | 0.00292 % | | |
| 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 | | 35 mg/kg | 1.126 | 39.406 mg/kg | 0.00394 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 180 mg/kg | 1.56 | 280.767 mg/kg | 0.018 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.27 mg/kg | 1.353 | 0.365 mg/kg | 0.0000365 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 1.8 mg/kg | 1.5 | 2.7 mg/kg | 0.00027 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 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 | | 1.1 mg/kg | 2.554 | 2.809 mg/kg | 0.000281 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 190 mg/kg | 2.774 | 527.088 mg/kg | 0.0527 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 23 mg/kg | | 23 mg/kg | 0.0023 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.55 | mg/kg | | 0.55 | mg/kg | 0.000055 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.14 | mg/kg | | 0.14 | mg/kg | 0.000014 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 1.6 | mg/kg | | 1.6 | mg/kg | 0.00016 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.4 | mg/kg | | 1.4 | mg/kg | 0.00014 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.97 | mg/kg | | 0.97 | mg/kg | 0.000097 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.82 | mg/kg | | 0.82 | mg/kg | 0.000082 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 1.5 | mg/kg | | 1.5 | mg/kg | 0.00015 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.44 | mg/kg | | 0.44 | mg/kg | 0.000044 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.71 | mg/kg | | 0.71 | mg/kg | 0.000071 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 0.86 | mg/kg | | 0.86 | mg/kg | 0.000086 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0945 % | | |

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

## Supplementary Hazardous Property Information

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

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

Hazard Statements hit:

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

Because of determinand:

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

## Classification of sample: 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:
**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 | | 3.6 mg/kg | 1.197 | 4.31 mg/kg | 0.000431 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 26 mg/kg | 1.32 | 34.328 mg/kg | 0.00343 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 1.3 mg/kg | 3.22 | 4.186 mg/kg | 0.000419 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 1.6 mg/kg | 1.142 | 1.828 mg/kg | 0.000183 % | | |
| 5 | chromium in chromium(III) compounds { chromium(III) oxide (worst case) } | | 215-160-9 | 1308-38-9 | | 19 mg/kg | 1.462 | 27.77 mg/kg | 0.00278 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 mg/kg | 2.27 | <1.135 mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 78 mg/kg | 1.126 | 87.819 mg/kg | 0.00878 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 330 mg/kg | 1.56 | 514.739 mg/kg | 0.033 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.37 mg/kg | 1.353 | 0.501 mg/kg | 0.0000501 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 13 mg/kg | 1.5 | 19.502 mg/kg | 0.00195 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 43 mg/kg | 2.976 | 127.979 mg/kg | 0.0128 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.7 mg/kg | 2.554 | 4.342 mg/kg | 0.000434 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 280 mg/kg | 2.774 | 776.761 mg/kg | 0.0777 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 34 mg/kg | | 34 mg/kg | 0.0034 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.28 | mg/kg | | 0.28 | mg/kg | 0.000028 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 1.4 | mg/kg | | 1.4 | mg/kg | 0.00014 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.71 | mg/kg | | 0.71 | mg/kg | 0.000071 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.67 | mg/kg | | 0.67 | mg/kg | 0.000067 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.88 | mg/kg | | 0.88 | mg/kg | 0.000088 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.56 | mg/kg | | 0.56 | mg/kg | 0.000056 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.29 | mg/kg | | 0.29 | mg/kg | 0.000029 % | | |
| | | | 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 | | | | 0.48 | mg/kg | | 0.48 | mg/kg | 0.000048 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.146 % | | |

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

## Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 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: TP11

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

## Sample details

Sample name:
**TP11**
Sample Depth:
**2.40 m**
Moisture content:
**21%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 12 mg/kg | 1.32 | 15.844 mg/kg | 0.00158 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.66 mg/kg | 3.22 | 2.125 mg/kg | 0.000213 % | | |
| 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 | | 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 | | 38 mg/kg | 1.126 | 42.784 mg/kg | 0.00428 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 53 mg/kg | 1.56 | 82.67 mg/kg | 0.0053 % | | |
| 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 | | 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 | | 41 mg/kg | 2.976 | 122.027 mg/kg | 0.0122 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 0.82 mg/kg | 2.554 | 2.094 mg/kg | 0.000209 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 100 mg/kg | 2.774 | 277.415 mg/kg | 0.0277 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 20 mg/kg | | 20 mg/kg | 0.002 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | <0.5 | mg/kg | 1.884 | <0.942 | mg/kg | <0.0000942 % | | <LOD |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0574 % | | |

| Key | |
|---|---|
| | User 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.: 0.002%)

## Classification of sample: TP13

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

## Sample details

Sample name:
**TP13**
Sample Depth:
**0.40 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 | | 2.7 mg/kg | 1.197 | 3.232 mg/kg | 0.000323 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 14 mg/kg | 1.32 | 18.485 mg/kg | 0.00185 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.66 mg/kg | 3.22 | 2.125 mg/kg | 0.000213 % | | |
| 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 | | 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 | | 39 mg/kg | 1.126 | 43.91 mg/kg | 0.00439 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 220 mg/kg | 1.56 | 343.159 mg/kg | 0.022 % | | |
| 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 | | 3.4 mg/kg | 1.5 | 5.101 mg/kg | 0.00051 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 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 | | 1.3 mg/kg | 2.554 | 3.32 mg/kg | 0.000332 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 130 mg/kg | 2.774 | 360.639 mg/kg | 0.0361 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 31 mg/kg | | 31 mg/kg | 0.0031 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.35 | mg/kg | | 0.35 | mg/kg | 0.000035 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.27 | mg/kg | | 0.27 | mg/kg | 0.000027 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0837 % | | |

| Key | |
|---|---|
| | User 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.: 0.0031%)

## Appendix A: Classifier defined and non EU CLP determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

EU CLP index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EU CLP index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## Appendix B: Rationale for selection of metal species

**antimony {antimony trioxide}**

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

**arsenic {arsenic trioxide}**

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

**boron {diboron trioxide}**

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

**cadmium {cadmium oxide}**

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

**chromium in chromium(III) compounds {chromium(III) oxide (worst case)}**

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

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

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

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

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**molybdenum {molybdenum(VI) oxide}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1.NI - Jan 2021
HazWasteOnline Classification Engine Version: 2024.73.5982.11058 (13 Mar 2024)
HazWasteOnline Database: 2024.68.5980.11054 (09 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 25 2 May 2023

# Waste Classification Report

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

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

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

B07SC-0N8FE-MVUDX

## Job name

24-001-11 Basin View (17 09 04)

## Description/Comments

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

## Project

24-001-11

## Site

Basin View

## Classified by

Name:
**Austin Hynes**
Date:
**20 Mar 2024 10:25 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

Basin View **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

Construction and Demolition Waste

## Job summary

| # | Sample name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 1 | BH1 | 2.00 | Non Hazardous | | 3 |
| 2 | BH3 | 1.00 | Non Hazardous | | 6 |
| 3 | BH5 | 1.00 | Non Hazardous | | 9 |
| 4 | BH6 | 2.00 | Non Hazardous | | 12 |
| 5 | BH7 | 1.00 | Non Hazardous | | 15 |
| 6 | TP02 | 1.20 | Non Hazardous | | 18 |
| 7 | TP04 | 0.30 | Non Hazardous | | 21 |
| 8 | TP08 | 0.40 | Non Hazardous | | 24 |
| 9 | TP09 | 1.00 | Non Hazardous | | 27 |
| 10 | TP09[2] | 2.10 | Non Hazardous | | 30 |
| 11 | TP10 | 1.30 | Non Hazardous | | 33 |
| 12 | TP11 | 1.20 | Non Hazardous | | 36 |
| 13 | TP12 | 1.50 | Non Hazardous | | 39 |

## 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: 20 Mar 2024 10:25 GMT

## Classification of sample: BH1

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

## Sample details

Sample name:
**BH1**
Sample Depth:
**2.00 m**
Moisture content:
**19%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 3.9 mg/kg | 1.197 | 4.669 mg/kg | 0.000467 % | | |
| 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 | 0.63 mg/kg | 3.22 | 2.029 mg/kg | 0.000203 % | | |
| 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 | | 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 | | 34 mg/kg | 1.126 | 38.28 mg/kg | 0.00383 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 600 mg/kg | 1.56 | 935.889 mg/kg | 0.06 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.26 mg/kg | 1.353 | 0.352 mg/kg | 0.0000352 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 3.2 mg/kg | 1.5 | 4.801 mg/kg | 0.00048 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 38 mg/kg | 2.976 | 113.098 mg/kg | 0.0113 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 2.9 mg/kg | 2.554 | 7.406 mg/kg | 0.000741 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 350 mg/kg | 2.774 | 970.951 mg/kg | 0.0971 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 47 mg/kg | | 47 mg/kg | 0.0047 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | | 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 | | | | 0.33 | mg/kg | | 0.33 | mg/kg | 0.000033 % | | |
| | | | 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 | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.183 % | | |

| Key | |
|---|---|
| | User 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.: 0.0047%)

## Classification of sample: BH3

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

## Sample details

Sample name:
**BH3**
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 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)

## Hazard properties

None identified

## Determinands

Moisture content: 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 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 | | 6.5 mg/kg | 1.32 | 8.582 mg/kg | 0.000858 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.84 mg/kg | 3.22 | 2.705 mg/kg | 0.00027 % | | |
| 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 | | 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 | | 26 mg/kg | 1.126 | 29.273 mg/kg | 0.00293 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 49 mg/kg | 1.56 | 76.431 mg/kg | 0.0049 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.16 mg/kg | 1.353 | 0.217 mg/kg | 0.0000217 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 1.6 mg/kg | 1.5 | 2.4 mg/kg | 0.00024 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 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 | | 1.2 mg/kg | 2.554 | 3.065 mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 100 mg/kg | 2.774 | 277.415 mg/kg | 0.0277 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 26 mg/kg | | 26 mg/kg | 0.0026 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.69 | mg/kg | | 0.69 | mg/kg | 0.000069 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.15 | mg/kg | | 0.15 | mg/kg | 0.000015 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 0.83 | mg/kg | | 0.83 | mg/kg | 0.000083 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.73 | mg/kg | | 0.73 | mg/kg | 0.000073 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.43 | mg/kg | | 0.43 | mg/kg | 0.000043 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.45 | mg/kg | | 0.45 | mg/kg | 0.000045 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.57 | mg/kg | | 0.57 | mg/kg | 0.000057 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.53 | mg/kg | | 0.53 | mg/kg | 0.000053 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.26 | mg/kg | | 0.26 | mg/kg | 0.000026 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | 0.15 | mg/kg | | 0.15 | mg/kg | 0.000015 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 0.31 | mg/kg | | 0.31 | mg/kg | 0.000031 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0505 % | | |

| Key | |
|---|---|
| | User 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: BH5

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

## Sample details

Sample name:
**BH5**
Sample Depth:
**1.00 m**
Moisture content:
**14%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.6 | mg/kg | 1.197 | 3.112 | mg/kg | 0.000311 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | | 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 | | 44 | mg/kg | 1.126 | 49.539 | mg/kg | 0.00495 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 180 | mg/kg | 1.56 | 280.767 | mg/kg | 0.018 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.35 | mg/kg | 1.353 | 0.474 | mg/kg | 0.0000474 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 2.9 | mg/kg | 1.5 | 4.351 | mg/kg | 0.000435 % | | |
| 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 | | 0.97 | mg/kg | 2.554 | 2.477 | mg/kg | 0.000248 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 160 | mg/kg | 2.774 | 443.863 | mg/kg | 0.0444 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 24 | mg/kg | | 24 | mg/kg | 0.0024 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.12 | mg/kg | | 0.12 | mg/kg | 0.000012 % | | |
| | | 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 | | | | 0.81 | mg/kg | | 0.81 | mg/kg | 0.000081 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.19 | mg/kg | | 0.19 | mg/kg | 0.000019 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.65 | mg/kg | | 0.65 | mg/kg | 0.000065 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.61 | mg/kg | | 0.61 | mg/kg | 0.000061 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.99 | mg/kg | | 0.99 | mg/kg | 0.000099 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.36 | mg/kg | | 0.36 | mg/kg | 0.000036 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.83 | mg/kg | | 0.83 | mg/kg | 0.000083 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.65 | mg/kg | | 0.65 | mg/kg | 0.000065 % | | |
| | | | 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 | | | | 0.59 | mg/kg | | 0.59 | mg/kg | 0.000059 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0867 % | | |

| Key | |
|---|---|
| | User 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.: 0.0024%)

## Classification of sample: BH6

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

## Sample details

Sample name:
**BH6**
Sample Depth:
**2.00 m**
Moisture content:
**21%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2 mg/kg | 1.197 | 2.394 mg/kg | 0.000239 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 17 mg/kg | 1.32 | 22.446 mg/kg | 0.00224 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.44 mg/kg | 3.22 | 1.417 mg/kg | 0.000142 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 1.4 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 | | 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 | | 50 mg/kg | 1.126 | 56.294 mg/kg | 0.00563 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 240 mg/kg | 1.56 | 374.356 mg/kg | 0.024 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.37 mg/kg | 1.353 | 0.501 mg/kg | 0.0000501 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 2.9 mg/kg | 1.5 | 4.351 mg/kg | 0.000435 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 38 mg/kg | 2.976 | 113.098 mg/kg | 0.0113 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 2.9 mg/kg | 2.554 | 7.406 mg/kg | 0.000741 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 150 mg/kg | 2.774 | 416.122 mg/kg | 0.0416 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 49 mg/kg | | 49 mg/kg | 0.0049 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.43 | mg/kg | | 0.43 | mg/kg | 0.000043 % | | |
| | | 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 | | | | 0.52 | mg/kg | | 0.52 | mg/kg | 0.000052 % | | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | 0.59 | mg/kg | | 0.59 | mg/kg | 0.000059 % | | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 3.4 | mg/kg | | 3.4 | mg/kg | 0.00034 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 3.6 | mg/kg | | 3.6 | mg/kg | 0.00036 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 3.1 | mg/kg | | 3.1 | mg/kg | 0.00031 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 1.7 | mg/kg | | 1.7 | mg/kg | 0.00017 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 1.8 | mg/kg | | 1.8 | mg/kg | 0.00018 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 2.2 | mg/kg | | 2.2 | mg/kg | 0.00022 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.68 | mg/kg | | 0.68 | mg/kg | 0.000068 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 1.8 | mg/kg | | 1.8 | mg/kg | 0.00018 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | 0.26 | mg/kg | | 0.26 | mg/kg | 0.000026 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0967 % | | |

| Key | |
|---|---|
| | User 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.: 0.0049%)

## Classification of sample: BH7

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

## Sample details

Sample name:
**BH7**
Sample Depth:
**1.00 m**
Moisture content:
**16%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.9 mg/kg | 1.197 | 3.472 mg/kg | 0.000347 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 13 mg/kg | 1.32 | 17.164 mg/kg | 0.00172 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | <0.4 mg/kg | 3.22 | <1.288 mg/kg | <0.000129 % | | **<LOD** |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.98 mg/kg | 1.142 | 1.119 mg/kg | 0.000112 % | | |
| 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 | | 49 mg/kg | 1.126 | 55.169 mg/kg | 0.00552 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 120 mg/kg | 1.56 | 187.178 mg/kg | 0.012 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.36 mg/kg | 1.353 | 0.487 mg/kg | 0.0000487 % | | |
| 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 | | 32 mg/kg | 2.976 | 95.24 mg/kg | 0.00952 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 0.97 mg/kg | 2.554 | 2.477 mg/kg | 0.000248 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 110 mg/kg | 2.774 | 305.156 mg/kg | 0.0305 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 16 mg/kg | | 16 mg/kg | 0.0016 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | **<LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.8 | mg/kg | | 0.8 | mg/kg | 0.00008 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.25 | mg/kg | | 0.25 | mg/kg | 0.000025 % | | |
| | | | 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 | | | | 0.95 | mg/kg | | 0.95 | mg/kg | 0.000095 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.57 | mg/kg | | 0.57 | mg/kg | 0.000057 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.59 | mg/kg | | 0.59 | mg/kg | 0.000059 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 0.77 | mg/kg | | 0.77 | mg/kg | 0.000077 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.74 | mg/kg | | 0.74 | mg/kg | 0.000074 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.46 | mg/kg | | 0.46 | mg/kg | 0.000046 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 0.47 | mg/kg | | 0.47 | mg/kg | 0.000047 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0652 % | | |

| Key | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated 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: TP02

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

## Sample details

Sample name:
**TP02**
Sample Depth:
**1.20 m**
Moisture content:
**18%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 13 mg/kg | 1.32 | 17.164 mg/kg | 0.00172 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 0.88 mg/kg | 3.22 | 2.833 mg/kg | 0.000283 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 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 | | 50 mg/kg | 1.126 | 56.294 mg/kg | 0.00563 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 61 mg/kg | 1.56 | 95.149 mg/kg | 0.0061 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.14 mg/kg | 1.353 | 0.189 mg/kg | 0.0000189 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 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 | | 34 mg/kg | 2.976 | 101.193 mg/kg | 0.0101 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.4 mg/kg | 2.554 | 3.575 mg/kg | 0.000358 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 130 mg/kg | 2.774 | 360.639 mg/kg | 0.0361 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 21 mg/kg | | 21 mg/kg | 0.0021 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.56 | mg/kg | | 0.56 | mg/kg | 0.000056 % | | |
| | | | 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 | | | | 1.3 | mg/kg | | 1.3 | mg/kg | 0.00013 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.8 | mg/kg | | 0.8 | mg/kg | 0.00008 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.67 | mg/kg | | 0.67 | mg/kg | 0.000067 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.4 | mg/kg | | 0.4 | mg/kg | 0.00004 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.84 | mg/kg | | 0.84 | mg/kg | 0.000084 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.58 | mg/kg | | 0.58 | mg/kg | 0.000058 % | | |
| | | | 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 | | | | 0.58 | mg/kg | | 0.58 | mg/kg | 0.000058 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0669 % | | |

| Key | |
|---|---|
| | User 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.: 0.0021%)

## Classification of sample: TP04

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

## Sample details

Sample name:
**TP04**
Sample Depth:
**0.30 m**
Moisture content:
**25%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 | mg/kg | 1.197 | <2.394 | mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 10 | mg/kg | 1.32 | 13.203 | mg/kg | 0.00132 % | | |
| 3 | boron { diboron trioxide } | 005-008-00-8 | 215-125-8 | 1303-86-2 | 11 | 2.6 | mg/kg | 3.22 | 8.372 | mg/kg | 0.000837 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.85 | mg/kg | 1.142 | 0.971 | mg/kg | 0.0000971 % | | |
| 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 | | 39 | mg/kg | 1.126 | 43.91 | mg/kg | 0.00439 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 130 | mg/kg | 1.56 | 202.776 | mg/kg | 0.013 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.24 | mg/kg | 1.353 | 0.325 | mg/kg | 0.0000325 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 1.5 | mg/kg | 1.5 | 2.25 | mg/kg | 0.000225 % | | |
| 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 | | 0.88 | mg/kg | 2.554 | 2.247 | mg/kg | 0.000225 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 120 | mg/kg | 2.774 | 332.898 | mg/kg | 0.0333 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 48 | mg/kg | | 48 | mg/kg | 0.0048 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.22 | mg/kg | | 0.22 | mg/kg | 0.000022 % | | |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 1.6 | mg/kg | | 1.6 | mg/kg | 0.00016 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.35 | mg/kg | | 0.35 | mg/kg | 0.000035 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 2.3 | mg/kg | | 2.3 | mg/kg | 0.00023 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.9 | mg/kg | | 1.9 | mg/kg | 0.00019 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <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 | | | | 1.3 | mg/kg | | 1.3 | mg/kg | 0.00013 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.4 | mg/kg | | 0.4 | mg/kg | 0.00004 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.91 | mg/kg | | 0.91 | mg/kg | 0.000091 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.56 | mg/kg | | 0.56 | mg/kg | 0.000056 % | | |
| | | | 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 | | | | 0.62 | mg/kg | | 0.62 | mg/kg | 0.000062 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | | asbestos | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0705 % | | |

| Key | |
|---|---|
| | User 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.: 0.0048%)

## Classification of sample: TP08

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

## Sample details

Sample name:
**TP08**
Sample Depth:
**0.40 m**
Moisture content:
**11%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 3.8 mg/kg | 1.197 | 4.549 mg/kg | 0.000455 % | | |
| 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 | 0.56 mg/kg | 3.22 | 1.803 mg/kg | 0.00018 % | | |
| 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 | | 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 | | 93 mg/kg | 1.126 | 104.708 mg/kg | 0.0105 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 130 mg/kg | 1.56 | 202.776 mg/kg | 0.013 % | | |
| 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 | | 1.8 mg/kg | 1.5 | 2.7 mg/kg | 0.00027 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 31 mg/kg | 2.976 | 92.264 mg/kg | 0.00923 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 0.92 mg/kg | 2.554 | 2.35 mg/kg | 0.000235 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 180 mg/kg | 2.774 | 499.346 mg/kg | 0.0499 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 14 mg/kg | | 14 mg/kg | 0.0014 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4] | | | | | | | | | |
| 20 | | cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } | | | | <0.5 | mg/kg | 1.884 | <0.942 | mg/kg | <0.0000942 % | | <LOD |
| | | 006-007-00-5 | | | | | | | | | | | |
| 21 | | naphthalene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 22 | | acenaphthylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 23 | | acenaphthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| 39 | | asbestos | | | | 18 | mg/kg | | 18 | mg/kg | 0.0018 % | | |
| | | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0916 % | | |

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

## Supplementary Hazardous Property Information

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

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

## Classification of sample: TP09

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

## Sample details

Sample name:
**TP09**
Sample Depth:
**1.00 m**
Moisture content:
**6.4%**
(no correction)

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

## Hazard properties

None identified

## Determinands

Moisture content: 6.4% 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 | | 10 mg/kg | 1.32 | 13.203 mg/kg | 0.00132 % | | |
| 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 | | 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 | | 17 mg/kg | 1.126 | 19.14 mg/kg | 0.00191 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 45 mg/kg | 1.56 | 70.192 mg/kg | 0.0045 % | | |
| 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 | | 0.9 mg/kg | 1.5 | 1.35 mg/kg | 0.000135 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 30 mg/kg | 2.976 | 89.288 mg/kg | 0.00893 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 0.72 mg/kg | 2.554 | 1.839 mg/kg | 0.000184 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 93 mg/kg | 2.774 | 257.996 mg/kg | 0.0258 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 12 mg/kg | | 12 mg/kg | 0.0012 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.97 | mg/kg | | 0.97 | mg/kg | 0.000097 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.2 | mg/kg | | 0.2 | mg/kg | 0.00002 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 1.3 | mg/kg | | 1.3 | mg/kg | 0.00013 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.98 | mg/kg | | 0.98 | mg/kg | 0.000098 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 0.43 | mg/kg | | 0.43 | mg/kg | 0.000043 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 0.38 | mg/kg | | 0.38 | mg/kg | 0.000038 % | | |
| | | 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 | | | | 0.18 | mg/kg | | 0.18 | mg/kg | 0.000018 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0481 % | | |

| Key | |
|---|---|
| | User 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.: 0.0012%)

## Classification of sample: TP09[2]

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

## Sample details

Sample name:
**TP09[2]**
Sample Depth:
**2.10 m**
Moisture content:
**17%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | <2 mg/kg | 1.197 | <2.394 mg/kg | <0.000239 % | | <**LOD** |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.53 mg/kg | 3.22 | 1.707 mg/kg | 0.000171 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.96 mg/kg | 1.142 | 1.097 mg/kg | 0.00011 % | | |
| 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 | | 25 mg/kg | 1.126 | 28.147 mg/kg | 0.00281 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 58 mg/kg | 1.56 | 90.469 mg/kg | 0.0058 % | | |
| 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 | | 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 | | 32 mg/kg | 2.976 | 95.24 mg/kg | 0.00952 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 0.85 mg/kg | 2.554 | 2.171 mg/kg | 0.000217 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 110 mg/kg | 2.774 | 305.156 mg/kg | 0.0305 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 19 mg/kg | | 19 mg/kg | 0.0019 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.17 | mg/kg | | 0.17 | mg/kg | 0.000017 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0569 % | | |

| Key | |
|---|---|
| | User 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.: 0.0019%)

## Classification of sample: TP10

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

## Sample details

Sample name:
**TP10**
Sample Depth:
**1.30 m**
Moisture content:
**14%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 5.3 | mg/kg | 1.197 | 6.345 | mg/kg | 0.000634 % | | |
| 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 | | 5.2 | mg/kg | 1.142 | 5.94 | mg/kg | 0.000594 % | | |
| 5 | chromium in chromium(III) compounds { chromium(III) oxide (worst case) } | | 215-160-9 | 1308-38-9 | | 23 | mg/kg | 1.462 | 33.616 | mg/kg | 0.00336 % | | |
| 6 | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <0.5 | mg/kg | 2.27 | <1.135 | mg/kg | <0.000113 % | | <**LOD** |
| 7 | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 44 | mg/kg | 1.126 | 49.539 | mg/kg | 0.00495 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 88 | mg/kg | 1.56 | 137.264 | mg/kg | 0.0088 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.24 | mg/kg | 1.353 | 0.325 | mg/kg | 0.0000325 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 7.2 | mg/kg | 1.5 | 10.801 | mg/kg | 0.00108 % | | |
| 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 | | 5 | mg/kg | 2.554 | 12.769 | mg/kg | 0.00128 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 140 | mg/kg | 2.774 | 388.381 | mg/kg | 0.0388 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 41 | mg/kg | | 41 | mg/kg | 0.0041 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.24 | mg/kg | | 0.24 | mg/kg | 0.000024 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 0.27 | mg/kg | | 0.27 | mg/kg | 0.000027 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 35 | | dibenz[a,h]anthracene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.081 % | | |

| Key | |
|---|---|
| | User 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: TP11

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

## Sample details

Sample name:
**TP11**
Sample Depth:
**1.20 m**
Moisture content:
**19%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 2.1 mg/kg | 1.197 | 2.514 mg/kg | 0.000251 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 2.1 mg/kg | 3.22 | 6.762 mg/kg | 0.000676 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 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 | | 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 | | 59 mg/kg | 1.126 | 66.427 mg/kg | 0.00664 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 170 mg/kg | 1.56 | 265.169 mg/kg | 0.017 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.34 mg/kg | 1.353 | 0.46 mg/kg | 0.000046 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 2.9 mg/kg | 1.5 | 4.351 mg/kg | 0.000435 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 45 mg/kg | 2.976 | 133.932 mg/kg | 0.0134 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.2 mg/kg | 2.554 | 3.065 mg/kg | 0.000306 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 160 mg/kg | 2.774 | 443.863 mg/kg | 0.0444 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 32 mg/kg | | 32 mg/kg | 0.0032 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 mg/kg | | <0.001 mg/kg | <0.0000001 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | mg/kg | | 1 | mg/kg | 0.0001 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 0.25 | mg/kg | | 0.25 | mg/kg | 0.000025 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 2.2 | mg/kg | | 2.2 | mg/kg | 0.00022 % | | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 28 | | pyrene | | | | 1.8 | mg/kg | | 1.8 | mg/kg | 0.00018 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 29 | | benzo[a]anthracene | | | | 1.2 | mg/kg | | 1.2 | mg/kg | 0.00012 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 30 | | chrysene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 31 | | benzo[b]fluoranthene | | | | 1.4 | mg/kg | | 1.4 | mg/kg | 0.00014 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 0.41 | mg/kg | | 0.41 | mg/kg | 0.000041 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 1.1 | mg/kg | | 1.1 | mg/kg | 0.00011 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 34 | | indeno[123-cd]pyrene | | | | 0.65 | mg/kg | | 0.65 | mg/kg | 0.000065 % | | |
| | | | 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 | | | | 0.72 | mg/kg | | 0.72 | mg/kg | 0.000072 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0933 % | | |

| Key | |
|---|---|
| | User 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.: 0.0032%)

## Classification of sample: TP12

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

## Sample details

Sample name:
**TP12**
Sample Depth:
**1.50 m**
Moisture content:
**19%**
(no correction)

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

## Hazard properties

None identified

## Determinands

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

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | antimony { antimony trioxide } | 051-005-00-X | 215-175-0 | 1309-64-4 | | 5.9 | mg/kg | 1.197 | 7.063 | mg/kg | 0.000706 % | | |
| 2 | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 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 | 0.7 | mg/kg | 3.22 | 2.254 | mg/kg | 0.000225 % | | |
| 4 | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 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 | | 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 | | 62 | mg/kg | 1.126 | 69.805 | mg/kg | 0.00698 % | | |
| 8 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 430 | mg/kg | 1.56 | 670.721 | mg/kg | 0.043 % | | |
| 9 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.39 | mg/kg | 1.353 | 0.528 | mg/kg | 0.0000528 % | | |
| 10 | molybdenum { molybdenum(VI) oxide } | 042-001-00-9 | 215-204-7 | 1313-27-5 | | 3.2 | mg/kg | 1.5 | 4.801 | mg/kg | 0.00048 % | | |
| 11 | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 41 | mg/kg | 2.976 | 122.027 | mg/kg | 0.0122 % | | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | 1.4 | mg/kg | 2.554 | 3.575 | mg/kg | 0.000358 % | | |
| 13 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 300 | mg/kg | 2.774 | 832.244 | mg/kg | 0.0832 % | | |
| 14 | TPH (C6 to C40) petroleum group | | | TPH | | 37 | mg/kg | | 37 | mg/kg | 0.0037 % | | |
| 15 | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <**LOD** |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 16 | | benzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 17 | | toluene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 18 | | ethylbenzene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 19 | | xylene | | | | <0.001 | mg/kg | | <0.001 | mg/kg | <0.0000001 % | | <LOD |
| | | 601-022-00-9 | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>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 | | | | 0.23 | mg/kg | | 0.23 | mg/kg | 0.000023 % | | |
| | | 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 | | | | 2.5 | mg/kg | | 2.5 | mg/kg | 0.00025 % | | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 24 | | fluorene | | | | 2.8 | mg/kg | | 2.8 | mg/kg | 0.00028 % | | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 25 | | phenanthrene | | | | 23 | mg/kg | | 23 | mg/kg | 0.0023 % | | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 26 | | anthracene | | | | 2.4 | mg/kg | | 2.4 | mg/kg | 0.00024 % | | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 27 | | fluoranthene | | | | 14 | mg/kg | | 14 | mg/kg | 0.0014 % | | |
| | | | 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 | mg/kg | | 5 | mg/kg | 0.0005 % | | |
| | | 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 | | | | 5.2 | mg/kg | | 5.2 | mg/kg | 0.00052 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 32 | | benzo[k]fluoranthene | | | | 1.8 | mg/kg | | 1.8 | mg/kg | 0.00018 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 33 | | benzo[a]pyrene; benzo[def]chrysene | | | | 4.2 | mg/kg | | 4.2 | mg/kg | 0.00042 % | | |
| | | 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 | | | | 0.62 | mg/kg | | 0.62 | mg/kg | 0.000062 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 36 | | benzo[ghi]perylene | | | | 2.4 | mg/kg | | 2.4 | mg/kg | 0.00024 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| 37 | | phenol | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 604-001-00-2 | 203-632-7 | 108-95-2 | | | | | | | | | |
| 38 | | polychlorobiphenyls; PCB | | | | <0.1 | mg/kg | | <0.1 | mg/kg | <0.00001 % | | <LOD |
| | | 602-039-00-4 | 215-648-1 | 1336-36-3 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.166 % | | |

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

## Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous 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.: 0.0037%)

## Appendix A: Classifier defined and non EU CLP determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

EU CLP index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EU CLP index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

## Appendix B: Rationale for selection of metal species

**antimony {antimony trioxide}**

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

**arsenic {arsenic trioxide}**

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

**boron {diboron trioxide}**

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

**cadmium {cadmium oxide}**

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

**chromium in chromium(III) compounds {chromium(III) oxide (worst case)}**

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

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

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

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

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

**lead {lead chromate}**

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

**mercury {mercury dichloride}**

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

**molybdenum {molybdenum(VI) oxide}**

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

**nickel {nickel chromate}**

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

**selenium {nickel selenate}**

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

**zinc {zinc chromate}**

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

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

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

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1.NI - Jan 2021
HazWasteOnline Classification Engine Version: 2024.73.5982.11058 (13 Mar 2024)
HazWasteOnline Database: 2024.68.5980.11054 (09 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 25 2 May 2023