PROJECT 3CR, ROYSTON

GROUND INVESTIGATION REPORT (FACTUAL ACCOUNT OF FIELDWORK, MONITORING AND LABORATORY TESTING AND GEOENVIRONMENTAL ASSESSSMENT)

Report No E3027-23/1

October 2023

Issue No 2

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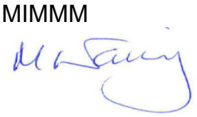
Report No E3027-23/1/1

ISSUE No	DATE	STATUS	PREPARED BY	CHECKED BY	APPROVED BY
1	July 2023	Preliminary report	Melody Wareing BSc CGeol FGS RoGEP MIMMM and Miles Martin BSc MSc MIScT CGeol EurGeol FGS Registered Ground Engineering Specialist	Unchecked	
2	July 2023	Preliminary report – checked	Melody Wareing and Miles Martin	Peter Reading BA; PgDip; CSci; CGeol; FGS, UK registered Ground Engineering Adviser	Peter Reading BA; PgDip; CSci; CGeol; FGS, UK registered Ground Engineering Adviser
3	Aug 2023	Draft Report	Melody Wareing and Section 8:Maria Tsamaki (BSc(Hons) MSc FGS MIEnvSc)	Miles Martin Section 8:Chris Evans (BSc (Hons), MSc) Section 9: Darren Makin BSc (Hons) CSci	Miles Martin
1	Sept 2023	Final GIR Report, (Final split into 2 volumes)	Melody Wareing BSc CGeol FGS RoGEP MIMMM	Miles Martin Section 7:Chris Evans Section 8: Darren Makin	Miles Martin BSc MSc MIScT CGeol EurGeol FGS Registered Ground Engineering Specialist

2	Oct 2023	Final GIR – amendment to Section 1 Introduction paragraph 4 clarifying content of Volume 2 report.	Melody Wareing BSc CGeol FGS RoGEP MIMMM 

REPORT STRUCTURE

TITLE	VOLUME No
GROUND INVESTIGATION REPORT (FACTUAL ACCOUNT OF FIELDWORK, MONITORING AND LABORATORY TESTING AND GEOENVIRONMENTAL ASSESSSMENT)	**E3027-23/1**
GEOTECHNICAL DESIGN REPORT (GEOTECHNICAL ASSESSMENT)	E3027-23/2

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1 INTRODUCTION

SOCOTEC UK Limited (SOCOTEC) was commissioned in May 2023 by Johnson Matthey (JM) to carry out a ground investigation for a design and build project consisting of the construction of a new annex building at their site in Royston.

The scope of the investigation was specified by JM and comprised boreholes, trial pits, field testing, monitoring, laboratory testing and reporting. The fieldwork was carried out between 24 May and 7 June and on 27 July 2023.

The investigation was performed in accordance with the contract specification, and the general requirements of BS 5930:2015+A1 (2020), BS EN 1997-2 (2007), BS EN ISO 22475-1 (2021) and other relevant related standards identified.

This report presents a description of the ground investigation work carried out together with the factual records of the fieldwork, monitoring and laboratory testing. It comprises a Ground Investigation Report (GIR), as defined in the UK Specification for Ground Investigation Third Edition (2022), along with a geoenvironmental assessment. It should be noted that this does not incorporate a desk study report and as such will not fully meet the requirements of a GIR. A Geotechnical Design Report (GDR) is presented separately in Volume 2 (SOCOTEC Reference E3027-23/2) of this report comprising a geotechnical assessment in accordance with the Scope of Work X2JM-210-000-SPC-001-0001-00.

The factual information is also presented in digital data format as defined in AGS 4.0.4 (2017).

2 SITE SETTING

2.1 Location and Description

The site is located approximately 1 km northwest of Royston town centre, which is 20 km southwest of Cambridge, at National Grid reference TL347413, see Site Location Plan in Appendix A. The site address is Johnson Matthey, Orchard Way, Royston, SG8 5EY.

The site is situated within the existing Johnson Matthey Chemical Products facility. The part of the site investigated consisted of a generally level area of macadam currently used for car parking. The site

is bounded by Orchard Road to the south and existing buildings within the JM works to the north, east and west.

2.2 Published Geology

The published geological map for the area, BGS Sheet 204 (2001), and the BGS GeoIndex Onshore online viewer (2023), show the site to be underlain by the Holywell Nodular Chalk Formation, which is in turn underlain by the Zig Zag Chalk Formation.

These two formations are separated by marker beds consisting of the Melbourn Rock Member, a hard, nodular chalk unit, typically 2 to 7 m thick, and the Plenus Marls Member, a dark-coloured marl (calcareous mudstone), generally up to about 1 m thick.

No superficial deposits are recorded in the immediate site area.

3 FIELDWORK

3.1 General

The exploratory hole and field test locations were selected by JM and set out from local features. The positions were surveyed by Site Vision Surveys, on behalf of SOCOTEC, to National Grid and Ordnance Datum, and the locations are shown on the Exploratory Hole Location Plan in Appendix A.

PAS 128 surveys were carried out prior to the exploratory holes to clear the areas of underground utilities. A cable avoiding tool was utilised during the inspection pit for the borehole locations. An area of approximately 5 by 5 m was surveyed at the location of each exploratory hole. No services were identified in these areas during the PAS 128 survey.

The site is within a Moderate Unexploded Ordnance risk area and works were carried out under an Explosive Ordnance Safety Management plan. The Detailed Unexploded Ordnance Risk Assessment carried out by MACC International Limited is presented in Appendix I.

3.2 Exploratory Holes

The exploratory holes are summarised in Table 1.

TABLE 1 SUMMARY OF EXPLORATORY HOLES

TYPE	QUANTITY	DEPTH RANGE (m)	REMARKS
Rotary core drilling	4	10.00 to 20.10	Designated BH01 to BH04
Trial pits (machine dug)	3	1.90 to 2.10	Designated TP01 to TP03

The exploratory hole logs are presented in Appendix B. These include descriptions of the strata encountered together with details of the equipment and methods used, sampling and field testing carried out, water depths and other field observations. Explanations of the terms and abbreviations used on the logs are given in the Key to Exploratory Hole Records in Appendix B, along with other explanatory information. The geological material descriptions are in accordance with BS 5930:2015+A1 (2020), following BS EN ISO 14688-1 (2018) and BS EN ISO 14689 (2018) for soils and rocks respectively.

Standard penetration tests (SPT) in the boreholes were carried out in accordance with BS EN ISO 22476-3+A1 (2011). The relevant SPT hammer energy ratio certificate is included in Appendix B. The results are presented on the logs without any corrections to the measured blow-counts or derived N values.

Geotechnical samples were transferred from site to the Coventry office of SOCOTEC for temporary retention. Samples taken for geoenvironmental testing were transferred directly from site to the SOCOTEC environmental chemistry laboratory (see Section 4).

Photographs of trial pits and rotary drilled cores are presented in Appendix H.

3.3 Dynamic Cone Penetrometer Testing

Dynamic cone penetrometer testing was carried out within each of the trial pits, using a TRL probe, and the test results are presented in Appendix C. The tests, designated DCP01 to DCP03, commenced from the Made Ground / Chalk interface (0.20 to 0.60 m depth) as encountered within

each trial pit. The testing was undertaken primarily to provide an estimate of the California Bearing Ratio (CBR), values of which are tabulated on the results sheets.

3.4 Geophysical Survey

A vertical electrical sounding (VES) survey was carried out to map variations in the subsurface resistivity. The testing was carried out within the chalk and the report is presented in Appendix D.

3.5 Groundwater and Ground Gas Monitoring

Ground gas and groundwater monitoring instrumentation was installed in selected boreholes specified by Fluor; details are shown on the logs and summarised in Appendix E.

Monitoring carried out by SOCOTEC during and after the main fieldwork period is listed in Table 2. The records are included in Appendix E.

TABLE 2 SUMMARY OF MONITORING

TYPE	REMARKS
Groundwater monitoring following site completion	8 June 2023
Groundwater and gas monitoring visits	29 June, 20 and 27 July and 3 August 2023

4 LABORATORY TESTING

4.1 Geotechnical Testing

Geotechnical laboratory testing of selected samples was scheduled by Fluor. The main testing was carried out at the SOCOTEC Central laboratory, with Geochemical testing carried out at the SOCOTEC environmental chemistry laboratory, in accordance with test methods as stated within the test reports. The completed testing is listed in Table 3 and the results are presented in Appendix F.

TABLE 3 SUMMARY OF GEOTECHNICAL LABORATORY TESTS

TEST TYPE[1]	QUANTITY	REMARKS
Classification/index tests		
Density	20	Immersion in water method
Geochemical tests		
pH and sulphate contents	12	BRE SD1 Suite D
Rock tests		
Water content	18	
Chalk Crushing value (CCV)	9	
Saturation moisture content (SMC)	9	
Point load index test (PLT)	28	Axial and diametral testing where possible.
Uniaxial compressive strength (UCS)	3	

Note 1 : Test type names based on Thomas Telford (2022) Table 15.4 and Bill K.

4.2 Geoenvironmental Testing

Geoenvironmental laboratory testing was scheduled by SOCOTEC on selected soil samples recovered during the fieldwork. The testing was carried out by SOCOTEC at the environmental chemistry laboratory, in accordance with test methods as stated within the test reports. The scope of testing is listed in Table 4 and the results are presented in Appendix G.

TABLE 4 SUMMARY OF GEOENVIRONMENTAL LABORATORY TESTS

TYPE	QUANTITY	REMARKS
Suite E	25	Arsenic, Cadmium, Copper, Lead, Mercury, Nickel, Selenium, Vanadium, Zinc, Boron (Water Soluble), Potassium, Chromium III (Trivalent), Chromium VI (Hexavalent), TPH CWG, 16 PAHs, SVOCs (Target List), VOCs (Target List), PCBs, ICES 7 Congeners, Soil Organic Matter, Asbestos Stage 1
WAC Suite	7	Single stage

5 GROUND CONDITIONS AND GROUNDWATER

5.1 Strata Encountered

Descriptions of the strata encountered are given on the exploratory hole records. The downward succession encountered is broadly uniform across the site and is summarised in Table 4.

TABLE 5 SUMMARY OF GROUND CONDITIONS

STRATUM	TOP (m)	TOP (mOD)	THICKNESS (m)	REMARKS
MACADAM	0.00	54.19 to 54.68	0.05 to 0.10	Site surfacing
MADE GROUND - FILL	0.05 to 0.10	54.01 to 54.58	0.10 to 0.50	Generally sand
HOLYWELL NODULAR CHALK (STRUCTURELESS)	0.20 to 0.60	53.51 to 54.20	0.95 to 2.00	Grade D chalk
HOLYWELL NODULAR CHALK (STRUCTURED)	1.55 to 2.20	52.00 to 52.71	4.35 to 5.08	Grade B chalk (encountered only in the boreholes)
ZIG ZAG CHALK FORMATION (STRUCTURED)	6.55 to 6.95	47.51 to 47.64	3.05 to 13.55 (base not encountered)	Grade B chalk (encountered only in the boreholes)

The boundary between the Holywell Nodular Chalk and the underlying Zig Zag Chalk was relatively level across the site (varying between 47.51 and 47.64 m OD), indicating that the chalk strata below the site are reasonably horizontal.

5.2 Evidence of Contamination

Neither olfactory nor visual evidence of hydrocarbon contamination was recorded in any of the exploratory holes.

5.3 Made Ground and Fill

The term *Made Ground* has been used to classify all anthropogenic (man-made) materials present within the report. Although the standard defines Made Ground as referring to non-engineered material, the difficulty of assessing which materials have been placed in accordance with an engineering specification often precludes the distinction.

The Made Ground encountered at this site comprised a sequence of Macadam, up to 0.10 m thick, overlying a very gravelly clayey sand, which may be acting as a subbase (i.e., an engineered Fill). BH02 and BH04 also encountered a lower layer of Made Ground, consisting of brown slightly sandy slightly gravelly clay or silt, situated below the sand.

5.4 Holywell Nodular Chalk (Structureless)

The Chalk present immediately beneath the Made Ground is considered to represent the Holywell Nodular Chalk Formation. At shallow depths, however, there is evidence of substantial weathering of the chalk such that it no longer retains its original rock structure. This 'structureless' chalk is present as a mixture of relatively intact chalk clasts in a matrix of highly weakened and degraded chalk material, known as 'comminuted chalk'. Based on the chalk weathering system set out in CIRIA C574 (2002), structureless chalk is defines as 'Grade D', which is subdivided into Grade D_c where the proportion of clasts is sufficient to dominate the geotechnical characteristics of the overall material, and Grade D_m where the matrix is dominant.

Structureless chalk, considered to be of Grade D_c, was encountered in the trial pits, where it was described as light cream chalk, recovered as very silty subangular fine to coarse gravel with rare becoming occasional cobbles. Gravel and cobbles are typically very weak, medium density.

Chalk of Grade D_c was reported in the boreholes, for example BH01 encountering extremely weak to very weak, medium to high density, brownish white chalk, recovered as very silty gravel. Locally, the uppermost zone of the structureless chalk encountered in the boreholes was described as possibly Grade D_m, for example the material above 1.20 m in BH02 consisting of very weak, high density white chalk, recovered as light brown and white, very gravelly silt, and that above 1.20 m in BH03 being described as weak to very weak, medium density chalk composed of white silt with occasional subangular to subrounded clasts (up to 35 mm).

In each of the exploratory holes the structureless chalk was considered to be clast-dominated (Grade D_c) below a maximum depth of 1.20 m. It is possible, however, that the thickness of the Grade D_m chalk may be greater in other parts of the site.

Test results carried out within this material are summarised in Table 6.

Six SPTs were carried out within the structureless chalk, with half recording refusal i.e., 50 blows being reached without achieving the full 300 mm test penetration. Three SPTs recorded N values of between 18 and 50, see Figure A3. The tests terminated at a maximum of 50 blows have been extrapolated to show an estimated equivalent N value for 300 mm of penetration.

The CCV tests have been plotted against the SMC results in accordance with HA 44/91, see Figure A4. This indicates that the structureless chalk would be categorised as Class A for re-use.

TABLE 6 SUMMARY OF MATERIAL PROPERTIES – HOLYWELL NODULAR CHALK (STRUCTURELESS)

PARAMETER	NO OF RESULTS	TYPICAL RANGE OF VALUES	REMARKS
Saturation moisture content (SMC), %	9	18.5 to 23.5	See Figure A4
Moisture content, w %	9	17 to 23	From SMC and CCV results sheets
Bulk density, γb Mg/m^3	9	1.98 to 2.14	From SMC results sheets
Dry density, γd Mg/m^3	9	1.65 to 1.80	From SMC results sheets Medium and high density
Chalk crushing value (CCV)	6	2.0 to 3.3	See Figure A4
SPT N60 value	6	17 to 145	Three tests to refusal and results extrapolated, see Figure A3

5.5 Holywell Nodular Chalk (Structured)

Below depths of between 1.55 and 2.20 m the Holywell Nodular Chalk was described as structured chalk, typically consisting of weak to moderately weak, high density white chalk, with generally closely spaced fractures. In terms of weathering grade, which for structured chalk is based on fracture spacing and aperture, this was typically described as Grade B3 or B4.

The base of the Holywell Nodular Chalk Formation is generally marked by the presence of stronger chalk beds, known as the Melbourn Rock Member, and marls (calcareous mudstones), known as the Plenus Marls Member. These units were identified in the boreholes as various materials, including beds of extremely weak to moderately weak, greyish white or brownish yellow, calcareous mudstone, and locally strong white chalk. The beds considered to represent the Melbourn Rock Member

generally had a thickness varying between 0.62 m (BH02) and 1.85 m (BH01), while the thickness of the Plenus Marls Member ranged from 0.35 m (BH01) to 1.16 m (BH04).

Results of the tests carried out within the structured part of the Holywell Nodular Chalk are summarised in Table 7.

TABLE 7 SUMMARY OF MATERIAL PROPERTIES – HOLYWELL NODULAR CHALK (STRUCTURED)

PARAMETER	NO OF RESULTS	TYPICAL RANGE OF VALUES (see note 1)	REMARKS
Moisture content, w %	7	12 to 21	Presented on the density by immersion test sheets
Bulk density, γb Mg/m^3	7	1.99 to 2.22	Density by immersion testing
Dry density, γd Mg/m^3	7	1.64 to 1.98	Density by immersion testing; two samples in possible Melbourne Rock Generally high to very high density
SPT N60 value	3	85 to 121	All tests to refusal and N values extrapolated, see Figure A3
Point Load, Is(50), MPa	9	0.06 to 0.59	Axial and diametral tests, see Figure A5

Following laboratory testing the field strengths on the borehole logs were reassessed. Rock strength is assessed in terms of the uniaxial or unconfined compressive strength (UCS) test and from those results the field terms used in the logging can be checked. While it is preferable to undertake a number of UCS tests, in order to obtain a data set that is representative of the in situ ground conditions, this is often not possible when the rock is fractured due to the difficulty in obtaining suitable lengths of intact core for testing. Consequently, the compressive strength is often assessed indirectly from point load index tests that can be carried out on smaller specimens of rock.

Point load tests can be used in the strength assessment but are generally less reliable than a standard UCS test, particularly for weak rocks. However, as the point load test can be carried out on relatively small specimens, a greater number of tests can usually be undertaken compared to UCS tests. The point load test can be carried out on an irregular lump of rock or short section of core, the test specimen being placed between two conical platens. The specimen is then loaded until it fails. The failure load provides a ‘point load index’ (Is) to which a size correction is applied to arrive at an equivalent value for a 50 mm size test specimen, known as Is(50). It is this value that is normally reported. The test is

intended primarily as an index test for strength classification of rock materials. In anisotropic rocks, where strength may be influenced by rock fabric, it is useful to conduct tests in different directions. When testing rock core, tests are generally axial in orientation (i.e., along the centreline of the core) or ‘diametral’ (i.e., across the core diameter).

From the Is(50) results it is possible to estimate an approximate equivalent UCS value using a multiplication factor (k). While it is often common practice to use a 'k' value of about 15 to 20 (Bowden, Lamont-Black & Ullyott, 1998 and ISRM, 1979) in order to determine UCS, the value depends on the rock type and site location. A wide range of values for ‘k’, from 8 to 45, can be seen in the technical literature (ISRM, 1979 and various others), and this range is even broader in unpublished data. It should be appreciated that such variations in 'k' can indicate a wide range of potential UCS values. As such, UCS values assessed from point load test results should be taken as approximate only. Where it is possible to carry out both UCS and point load test on the same material, a tentative relationship between the two can be established (i.e., a site-specific k value). Adopting this approach, a ‘k’ value of 7 has been established for the Zig Zag Chalk (see Section 5.6) and, as the core of the Holywell Nodular Chalk was too fractured for UCS testing, this k value of 7 has been adopted for all of the chalk strata. Is(50) x 7 may over or underestimate the apparent rock strength of the tested sample.

The results from nine point load tests on samples of the bedrock gave Is(50) values ranging from virtually zero up to 0.59 MPa. This range covers tests carried out in both axial and diametral directions.

The equivalent UCS values determined from the point load index tests, using the ‘k’ x 7 correlation discussed above, are shown against depth (m) in Figure A5. Using the strength classification in the standards, this would indicate rock strength of very weak.

The point load test results do not show any apparent increase in strength with depth, see Figure A5. All of the test results are below 5 MPa, which is in agreement with the typical field logging of generally very weak.

Three SPTs were carried out within the bedrock, with all recording refusal i.e., 50 blows being reached without achieving the full 300 mm test penetration, see Figure A3.

5.6 Zig Zag Chalk (Structured)

Below the basal beds of the Holywell Nodular Chalk Formation, the boreholes penetrated the top of the underlying Zig Zag Chalk Formation. This typically consisted of very weak, medium density white or greyish white chalk, with generally closely to medium spaced fractures (occasionally widely spaced). In terms of weathering grade, this was typically described as Grade B1, B2 or B3.

Test results carried out within this material are summarised in Table 8.

TABLE 8 SUMMARY OF MATERIAL PROPERTIES – ZIG ZAG CHALK

PARAMETER	NO OF RESULTS	TYPICAL RANGE OF VALUES (see note 1)	REMARKS
Moisture content, w %	7	12 to 21	Presented on the density by immersion test sheets
Bulk density, γb Mg/m^3	7	1.99 to 2.22	Density by immersion testing
Dry density, γd Mg/m^3	7	1.64 to 1.98	Density by immersion testing; two samples in possible Melbourne Rock Generally high to very high density
Point Load, Is(50), MPa	19	0.04 to 0.54	Axial, diametral and irregular testing, see Figure A5
UCS, Mpa	3	1.10 to 3.19	See Figure A5

As discussed in Section 5.5, from the Is(50) results it is possible to assess an approximate UCS value using a multiplication factor (k), and a 'k' factor of 7 has been established for this assessment. It should be appreciated, however, that this site specific assessment has been based on only three UCS test results, which gave a range of 'k' values from 6 to 8.5. The use of Is(50) x 7 may over or underestimate the actual rock strength of the tested sample, and the derived values should therefore be considered approximate only, and treated with caution. All point load results have been assessed by the same 'k' value to show overall relationship within the chalk strata.

The results from nineteen point load tests on samples of the bedrock gave Is(50) values ranging from virtually zero up to 0.54 MPa. This range covers tests carried out in both axial and diametral directions.

The results of three UCS tests, shown in Table 8, indicate values of 1.1 MPa (at 45 mOD) to 3.19 MPa (at 47 mOD) for the chalk. Other core samples were too fractured to be suitable for UCS testing. The specimen requirements for the test tend to mean only stronger samples are suitable for testing

The UCS results are shown against depth (m) in Figure A5, together with equivalent UCS values determined from the point load index tests using the 'k' x 7 correlation. Using the terms in the standards this would indicate rock strength is generally very weak for the Zig Zag Chalk.

The UCS and point load test results show a slight decrease in strength with depth, see Figure A5. The majority of the test results are below 5 MPa, which is in agreement with the typical field logging of generally very weak.

The rock strength results are generally lower than the equivalent test within the overlying Holywell Nodular Chalk indicating the Zig Zag Chalk is a weaker stratum.

5.7 Groundwater

No groundwater strikes were observed during the drilling process, and no water seepage was noted in the trial pits. The use of water flush for the drilling of the boreholes can make potential groundwater strikes difficult to assess, and post fieldwork monitoring therefore provides a better indication of longer term groundwater levels.

Monitoring of the groundwater in the three standpipes (installed in BH01, 02 and 03) was carried out between June and August 2023, and is summarised in Table 9. The monitoring found that BH01 and BH02 generally remained dry, while in BH03 groundwater levels of between 8.50 m (46 mOD) and 4.56 m (49.94 mOD) were recorded, with only one visit noted as dry. BH01 recorded one groundwater reading of 18.90 m (35.30 mOD) on the 27 July 2023. This visit also recorded the shallowest groundwater reading on BH03 and may be related to high rainfall occurring following a generally dry June. All readings were taken during summer months and therefore it should be noted that groundwater variations may occur with shallower water levels possible in different seasons.

TABLE 9 SUMMARY OF GROUNDWATER

HOLE ID	RESPONSE ZONE	STRATUM	GROUNDWATER RANGE
BH01	10.00 to 19.00 m [44.20-35.20 mOD]	Zig Zag Chalk	Dry (4 readings) 18.90m / 35.30mOD
BH02	1.20 to 9.00 m [53.06 to 45.26 mOD]	Holywell Nodular Chalk / Zig Zag Chalk	Dry (5 readings)
BH03	1.00 to 9.00 m [53.50 to 45.50 mOD]	Holywell Nodular Chalk / Zig Zag Chalk	Dry (1 reading) 4.56 to 8.50m 49.91 to 46.00mOD

5.8 Potential for Dissolution

Chalk consists predominantly of calcium carbonate and therefore has the potential to dissolve in groundwater, or in surface waters percolating down to the groundwater. This potential is accentuated where acidity levels are high. Such processes can result in the development of dissolution features that can be problematic for foundations as they typically represent local areas of reduced bearing capacity, higher compressibility, and potential future instability.

It is understood that no evidence of such features has been reported during the construction of other buildings at the site that are close to the current area of investigation. At present, therefore, there is no information to suggest that the site lies in an area particularly prone to dissolution. Nevertheless, the presence of dissolution features can be difficult to detect from the surface, and can easily be missed by exploratory holes that, by chance, have been located away from such features.

Evidence of dissolution features can sometimes be determined by geophysical methods that can be designed to scan the whole site area, highlighting local variations in relevant physical parameters such as electrical resistivity. Local areas highlighted by such methods can then be physically investigated to assess the nature of the features detected. Consideration of such an approach would be recommended, to provide further confidence that the associated risks are suitably low.

The potential for dissolution should also be considered in the design of new drainage at the site. The use of soakaways, for example, is generally not recommended as this approach concentrates surface waters percolating through the chalk into specific areas. This could result in new dissolution or destabilise any existing dissolution features. Should soakaways be required they should be situated away from any structures, at a distance of at least 20 m.

5.9 Characteristic Parameters

Characteristic parameters are summarised in Table 10.

TABLE 10 SUMMARY OF CHARACTERISTIC PARAMETERS

DESIGN PARAMETER	UNIT	STRATUM	VALUE
CIRIA Grade	N/A	Holywell Nodular Chalk (Structureless)	Grade Dc
		Holywell Nodular Chalk (Structured)	Grade B3 / B4
		Zig Zag Chalk Formation (Structured)	Grade B1 / B2 / B3
Re-use category	N/A	Holywell Nodular Chalk (Structureless)	Class A
Uniaxial Compressive Strength	MPa	Holywell Nodular Chalk (Structured)	< 5
		Zig Zag Chalk Formation (Structured)	< 5
Groundwater	m bgl	N/A	> 10

6 PROPOSED WORKS

It is understood that the proposed works consists of the construction of a new refinery. This will include an annexe building, which will be linked to one of the existing buildings via a footbridge, together with ancillary structures and equipment to be situated adjacent to the buildings.

The proposed annex building will consist of a ground floor plus three storeys, and will have plan dimensions of approximately 41 by 25 m. Any industrial equipment will be situated on the ground floor.

The column loads of the annex building are anticipated to be up to approximately 3,500 kN. The ancillary structures and equipment located adjacent to the annex building, however, will be lightly loaded.

Areas external to the annex will be paved for material handling activities (loading / unloading).

7 GEOENVIRONMENTAL ASSESSMENT

7.1 Waste Classification Assessment

7.1.1 Assessment Approach

The HazWasteOnline toolkit was used to undertake a Hazard Assessment Screen, to establish whether the sampled soils should be considered as representative of either hazardous or non-hazardous waste. This classification process is in accordance with technical guidance document WM3, *Guidance on the classification and assessment of waste (v1.2 GB 2021)*, published jointly by Natural Resources Wales / Cyfoeth Naturiol Cymru, the Scottish Environment Protection Agency, the Environment Agency and the Northern Ireland Environment Agency (WM3, 2021).

There are a number of potential variations in the handling and assessment of the data and the selection of the correct options and ultimate outcome of the hazard assessment is based on the specific circumstances of the waste in question. The main potential variations and options selected are described below.

7.1.2 Moisture Content Correction

The chemical analysis results were reported in line with the MCerts Standard which is to report concentration on a dry weight basis (either by drying the sample before analysis or calculating the dry weight concentration using a measured moisture content). This means that the reported concentrations are likely to be higher than the concentrations that would be reported on a wet weight (i.e. “as received”) basis because the moisture content of the soil adds to the overall mass.

The HazWasteOnline toolkit gives the user an option to correct for moisture content, which reduces the effective concentrations and provides a less conservative waste classification assessment. When doing this the user should be confident that the moisture content of the material will not change significantly from the “as received” analysis prior to disposal.

In this case, the hazard assessment based on dry weight concentrations has not identified any potentially hazardous waste and the consideration of whether or not a moisture content adjustment is valid is not necessary.

7.1.3 Total Petroleum Hydrocarbons (TPH)

The presence of TPH in the waste leads to the need to consider the appropriate trigger level for hazardous properties HP7 and HP11 and also the actual potential for the material to be flammable (the HWO screen will automatically flag the material as potentially hazardous due to flammability if any TPH is detected).

The WM3 guidance details the “marker compound” (normally benzo(a)pyrene, BaP) approach, which can be used to further assess hazardous properties HP7 and HP11 from sampled material, where this is appropriate.

In order to apply the marker compound assessment the laboratory analysis must clearly conclude that the hydrocarbons have not arisen from petrol or diesel, sampling must have been fully representative of the waste and the concentration of BaP concentration must be less than 0.01% of the TPH concentration.

In this case, as there is no certainty that the TPH is not from petrol or diesel so the marker compound approach can’t be applied.

Where the presence of TPH has triggered a potentially hazardous outcome due to flammability, the assessment of whether or not SOCOTEC considers the material to be likely to be flammable due to TPH is detailed in the HWO output sheets in Appendix F. In this case, it is considered unlikely that the material is hazardous due to flammability and this potential has been discounted.

7.1.4 Asbestos

During the laboratory analysis asbestos was not detected in any of the 23 no. samples collected.

In addition, no suspected, visible asbestos containing materials (ACM) were recorded during sampling or at the laboratory.

Therefore, with respect to asbestos, the sampled soils across the site can be classified as non-hazardous waste.

7.1.5 Worst Case Metals Compound Selection

The assessment of metals detected during the analysis necessarily uses an assumption of the chemical form (compound) that the metal is present in. The primary assessment assumes that the worst case compound (that with the lowest hazard threshold) is present. If the worst case compound assessment indicates a breach of the hazard threshold, further consideration of the likelihood of that compound being present can be carried out and, if it is not viable for that compound to be present, an alternative (usually next worst case) compound can be assumed.

In this case, the worst case compound assessment for the following metals was modified following the initial hazardous outcome (see Appendix F for details and justification):

- Potassium

7.1.6 Selection and Handling of Data

The waste classification assessment should be carried out on the overall representative sample dataset.

The volumes of the soil materials that will be disposed of during the proposed works is currently unknown and, therefore, the current waste classification will need to be considered as indicative. The HWO assessment has been applied to individual samples.

7.2 Waste Classification Summary

The HazWasteOnline output sheets for each of the 23 no. soil samples collected, both within the Made Ground and underlying natural soils, give an initial waste classification as non-hazardous waste, based on the chemical properties of the material.

The output sheets are presented in Appendix G.

7.2.1 List of Waste Code(s)

Based on the results of the analysis, and the assessment described above, the List of Waste code for Made Ground and underlying natural soils represented by the samples collected by SOCOTEC is considered to be '17 05 04 Soil and stones other than those mentioned in 17 05 03', i.e. non-hazardous waste.

7.3 Waste Acceptance Criteria (WAC)

Materials classified as non-hazardous waste may be able to be disposed of at an inert landfill if the inert WAC criteria have been met. If the material fails the inert WAC, the material will need to be disposed of at a non-hazardous waste facility.

Full WAC analysis has been undertaken on six of the twenty three samples collected. Exceedances of the inert WAC thresholds are presented in Table 11 below.

TABLE 11 SUMMARY OF INERT WAC EXCEEDANCES

SAMPLE	DETERMINAND	INERT WAC THRESHOLD, MG/KG	CONCENTRATION, MG/KG
BH02 ES1	Antimony	0.06	0.16
	Selenium	0.1	0.18
	Sulphate as SO4	1000	3300
	Total Dissolved Solids	4000	5750
BH04 ES3	Chromium	0.5	1.16
	Molybdenum	0.5	0.63
	Antimony	0.06	0.12
	Selenium	0.1	0.14
	Chloride	800	907
	Sulphate as SO4	1000	8450
	Total Dissolved Solids	4000	11600

It is recommended that the waste receiver is consulted as to whether they would be willing to accept the materials represented by samples BH02 ES1 and BH04 ES3 as inert based on the above exceedances. If the material is not accepted as inert, it could be disposed of at a non-hazardous facility without any further testing. It is ultimately the decision of the waste receiver as to whether they will accept the material.

No exceedances of the inert WAC thresholds were recorded in the remaining four samples tested.

Based on the information included in the exploratory hole logs, non-inert inclusions, e.g. organic matter, roots, slag etc, were not recorded within the sampled soils across the site.

7.4 Qualitative Construction Workers Risk Assessment

There are no UK Generic Assessment Criteria for short term / acute soil exposures such as during excavations for construction, but a general discussion of the levels of contamination is presented below.

The primary potential exposure pathways to construction workers at the site during the earthworks are considered to be direct and indirect ingestion of soil (e.g. through soiling of hands and then accidental ingestion during eating or smoking), dermal contact and the inhalation of dust, gases and / or vapours.

The maximum recorded concentrations of contaminants in the soil and subbase samples collected have been detailed in Table 12.

TABLE 12 MAXIMUM MEASURED CONCENTRATIONS OF CONTAMINANTS

DETERMINAND	MAXIMUM MEASURED CONCENTRATION (MG/KG)
Metals & semi-metals	
Arsenic	5.9
Boron	2.9
Cadmium	0.4
Chromium (total)	16.8
Chromium VI	0.1
Copper	18.6
Lead	21.3
Mercury	<0.5
Nickel	16.1
Selenium	0.9
Vanadium	41.2
Zinc	108.3

DETERMINAND	MAXIMUM MEASURED CONCENTRATION (MG/KG)
Polycyclic Aromatic Hydrocarbons	
Acenaphthene	<0.1
Acenaphthylene	<0.1
Anthracene	0.09
Benzo(a)anthracene	0.37
Benzo(a)pyrene	0.57
Benzo(b)fluoranthene	0.59
Benzo(g,h,i)perylene	0.43
Benzo(k)fluoranthene	0.28
Chrysene	0.49
Coronene	0.14
Dibenzo(a,h)anthracene	0.12
Fluoranthene	0.67
Fluorene	<0.1
Indeno(1,2,3-c,d)pyrene	0.44
Naphthalene	<0.08
Phenanthrene	0.16
Pyrene	0.89
Total Petroleum Hydrocarbons and BTEX	
Total GRO C5-C10	<0.246
TPH – Aliph >C05-C06	<0.246
TPH – Aliph >C06-C08	<0.492
TPH – Aliph >C08-C10	<0.246
TPH – Aliph >C10-C12	5.78
TPH – Aliph >C12-C16	10.8
TPH – Aliph >C16-C35	160.5
Total TPH >C8-C40 (Aliphatic)	227
TPH – Arom >C05-C07	<0.012
TPH – Arom >C07-C08	<0.012
TPH – Arom >C08-C10	<0.049
TPH – Arom >C10-C12	5.85
TPH – Arom >C12-C16	10.9
TPH – Arom >C16-C21	19.6
TPH – Arom >C21-C35	167

DETERMINAND	MAXIMUM MEASURED CONCENTRATION (MG/KG)
Total TPH >C8-C40 (Aromatic)^	271
Benzene	<0.011
Toluene	<0.011
Ethylbenzene	<0.011
Xylenes	0.007
Other Compounds	
Asbestos (%)	Not detected
pH	8.8 – 9.8
Phenols (Total)	<10.9
1,3,5-Trimethylbenzene	0.006
Chloroform	0.002
cumene; propylbenzene	0.003
p-Isopropyltoluene	0.001
sec-Butylbenzene	0.003
Polychlorobiphenyls (PCB)	0.04684

As can be seen in Table 12, no elevated concentrations of metals or inorganic contaminants of concern, non-volatile PAHs or heavy end TPHs were recorded in the samples collected by SOCOTEC.

It is considered that the main exposure pathways for the metals, non-volatile PAHs and heavier end TPH fractions present within the site soils are direct soil ingestion, dermal contact and the inhalation of dust. It is therefore considered that the risks to construction workers from metals, PAH and TPH contamination within the site's soil and subbase material are very low.

The more volatile PAHs (acenaphthene, acenaphthylene, naphthalene), BTEX compounds, phenol or light end TPHs concentrations, when recorded at their below their respective laboratory limit of detection or at very low concentrations. A number of VOCs (volatile organic compounds) were recorded in a small number of samples, however, there were recorded at very low concentrations.

Based on the above, the risk of hazardous concentrations of organic vapours is considered to be very low, especially as the works will be undertaken in the open air. However, should strong odours be recorded during the course of any excavation work, appropriate, face fit tested, RPE should be donned.

The pH concentrations recorded in the samples ranged between 8.8 and 9.8, i.e. within the slightly alkaline range.

In accordance with industry best practice, working methods should be implemented to minimise the risk of contamination to workers and equipment (e.g. damping down while excavating, keeping any stockpiled material moist and ensuring all equipment and clothing is thoroughly cleaned before leaving the area of concern). In addition to wearing PPE, and where necessary RPE (e.g. in dusty conditions or should strong odours be noted), construction workers should maintain good site hygiene such as no drinking, eating or smoking on site (except in designated areas) and washing hands, face and lower arms when leaving the work area. A watching brief for any unexpected contamination will also need to be undertaken during the earthworks.

Asbestos free fibres were not detected in any of the 21 no. samples collected and screened. In addition, no suspected, visible ACM were recorded during sampling or at the laboratory. The asbestos risk during the earthworks could, therefore, considered to be low. However, a watching brief for any unexpected asbestos contamination will need to be undertaken during the earthworks.

7.5 Conclusions and Recommendations

7.5.1 Waste Classification

Based on the results of the analysis, and the assessment described above, the List of Waste code for the sampled Made Ground and underlying soils sampled is considered to be '17 05 04 Soil and stones other than those mentioned in 17 05 03', i.e. non-hazardous waste.

Full WAC analysis has been undertaken on six of the twenty three samples collected. Exceedances of the inert WAC thresholds were recorded only in two of the six samples testes, namely samples BH02 ES1 and BH04 ES3.

It is recommended that the waste receiver is consulted as to whether they would be willing to accept the materials represented by samples BH02 ES1 and BH04 ES3 as inert based on the recorded exceedances. If the material is not accepted as inert, it could be disposed of at a non-hazardous facility without any further testing. It is ultimately the decision of the waste receiver as to whether they will accept the material.

It is recommended that this report in its entirety, including all data and appendices, is submitted to the potential waste receiver(s) to confirm their ability to legally receive the waste and their acceptance of the waste assessment set out above. All wastes removed from site should be consigned, transported and disposed of in full accordance with all relevant UK legislation.

7.5.2 Construction Workers Risk Assessment

Without any specific detail on the works to take place at the site, it is considered at this stage that risks to construction workers from the non-volatile chemical contamination (metals, non-volatile PAH and heavy end TPH) are likely to be very low during the earthworks.

The risk of hazardous concentrations of organic vapours is considered to be very low, especially as the works will be undertaken in the open air. However, should strong odours be recorded during the course of any excavation work, appropriate, face fit tested, RPE should be donned.

A watching brief for any unexpected chemical contamination will need to be maintained during the earthworks.

Asbestos free fibres were not detected in any of the 21 no. samples collected and screened. In addition, no suspected, visible ACM were recorded during sampling or at the laboratory. The asbestos risk during the earthworks could, therefore, considered to be low. However, a watching brief for any unexpected asbestos contamination will need to be undertaken during the earthworks.

8 PERMANENT GROUND GASES

The ground gas risk assessment has been undertaken in accordance with British Standard BS8485:2015 and normative reference CIRIA C665 (CIRIA, 2007).

The assessment methodology detailed in British Standard BS8485 require the calculation of a Gas Screening Value (GSV), which takes into account the peak concentrations of methane and carbon dioxide with respect to the borehole flow rate. The calculated GSV value then leads to a “characteristic situation” (CS). The determination of the site’s characteristic situation then corresponds to a set of appropriate gas protection score for the CS for a specific land use type or combination of types where there is a multipurpose development.

For the purpose of this gas risk assessment, and since the proposed development is for commercial use, the ground gas results have been assessed under Building Type D guidance in accordance with Table 3 Building Types the guidance.

8.1 Summary of Investigation of Permanent Ground Gases

The investigation was scoped to study the gas regime of the site and assess the risk presented by migration of ground gases from below ground. Monitoring installations were designed to target the underlying chalk within the footprint of the proposed building. Response zones were designed by Fluor to target the underlying chalk. Only thin Made Ground comprising the car park surfacing was encountered in any of the boreholes.

Four gas and groundwater monitoring visits were undertaken between June and August 2023 recording barometric pressures between 999 and 1009 mbar.

The following section provides an overview of the results of the ground gas monitoring visits carried out:

- Methane was not recorded above the limit of detection (0.1 % v/v) on any of the monitoring visits.
- Carbon dioxide concentrations (0.2, 0.4 and 1.9 % v/v) were recorded above the instruments limit of detection (0.1 % v/v) at two monitoring installation (BH01 and BH02) on two occasions.
- Significantly depleted oxygen (<10 % v/v) was not recorded in any of standpipes during any of the monitoring visits.
- Hydrogen sulphide was detected above the instruments limit of detection (<1ppm) on the June monitoring visit within BH01 (2.5 ppm).
- Carbon monoxide was detected above the instruments limit of detection (<1ppm) on the June and August monitoring visits within BH01 (2.6 and 1.1 ppm, respectively) and BH03 (1.7 and 5.0 ppm, respectively).
- The maximum flow rate recorded was below the instruments level of detection (<0.1 l/hr) at all monitoring locations.
- Ground gas monitoring was undertaken during periods of variable atmospheric pressures in the range 999 to 1009 mb.

8.2 Findings of Risk from Permanent Ground Gases

Based on the conditions measured on the monitoring visits carried out the worst case preliminary Gas Screening Value (GSV) for the site is calculated as 0.0019 l/hr (maximum recorded of carbon dioxide concentration of 1.9 v/v multiplied by the maximum flow rate recorded of 0.1 l/hr). In accordance with BS8485 guidance the calculated GSV would be considered as a Characteristic Situation 1 (CS1), which confirms a very low hazard potential and does not require special gas protection precautions to mitigate the risk from the gas regime.

The low concentrations of ground gases recorded in the Chalk, indicates that there is likely to be a low ground gas risk in open excavations. However, despite the low concentrations of ground gases recorded, construction site arrangements should be implemented to mitigate and manage the potential risk to workers from ground gas or vapours, particularly in confined spaces. Should significant concentrations of carbon dioxide, VOCs or carbon monoxide accumulate in confined working areas, including excavations, this could pose a risk to any construction personnel working in such areas. Similarly, oxygen deficiency could also present a risk.

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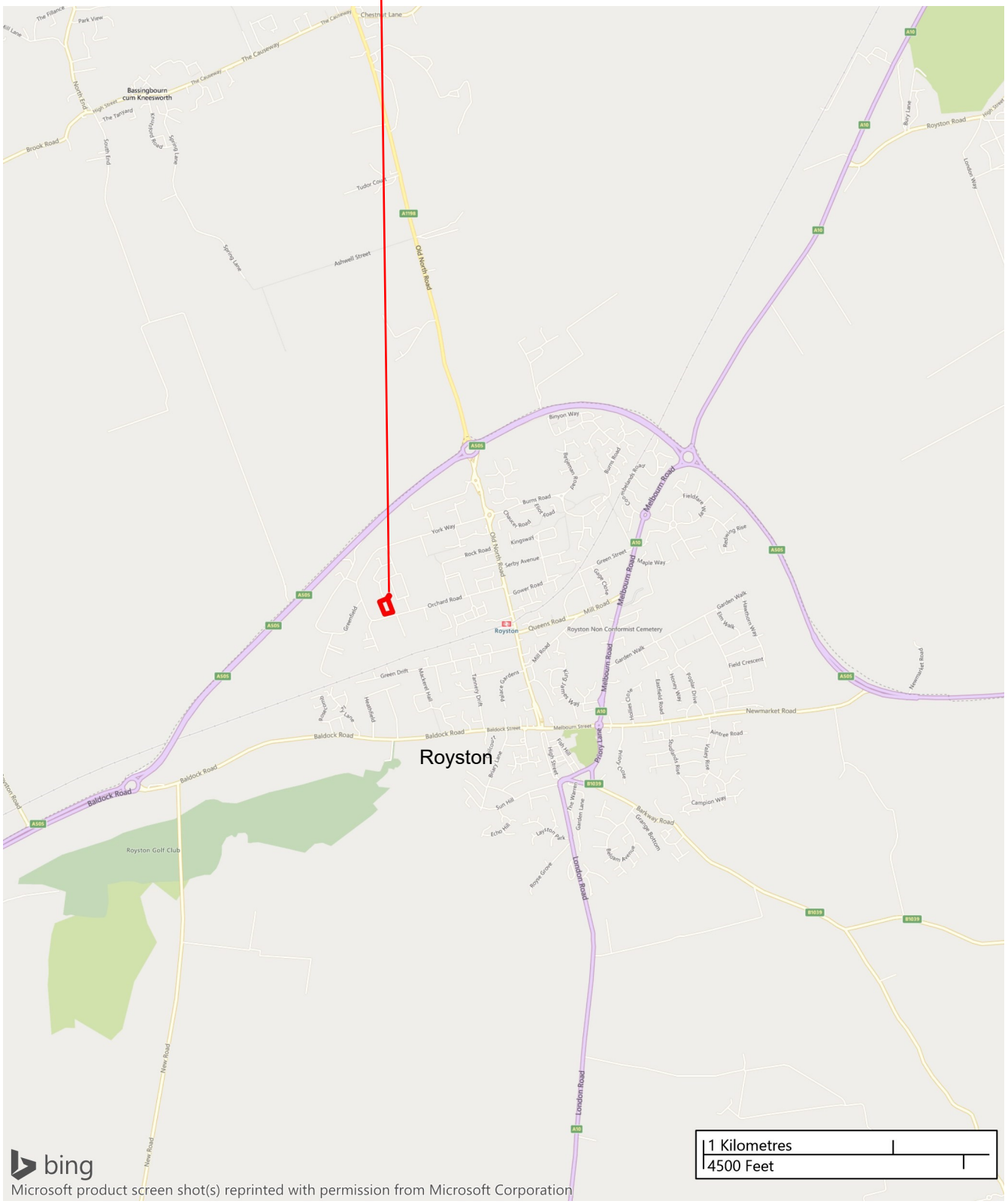
APPENDIX A
FIGURES AND DRAWINGS

Site Location Plan

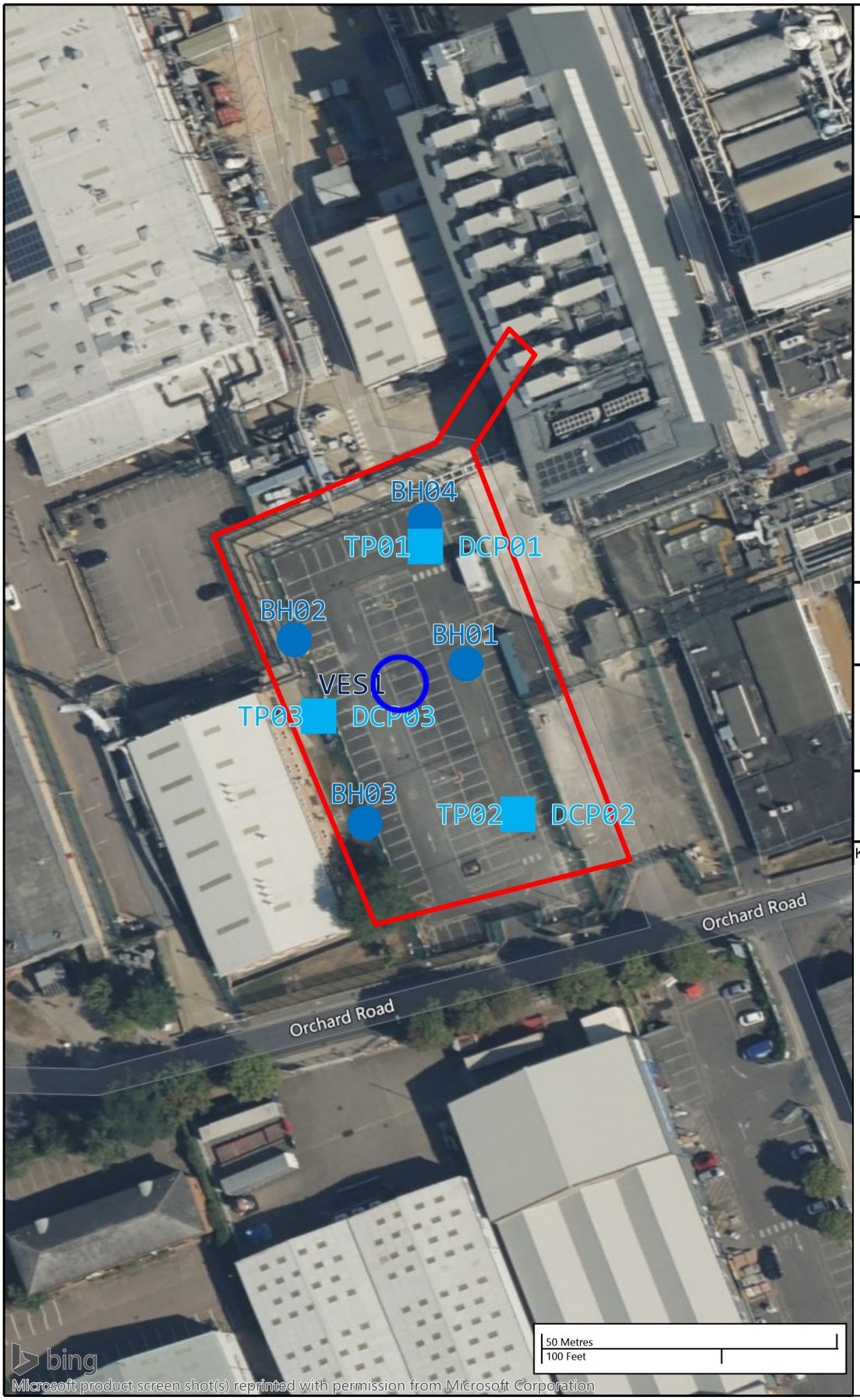
SOCOTEC



Notes	Project	Project 3CR, Royston	Figure
Site location plan created by Professional incorporating Bing Maps licenced under agreement with Bentley Ltd.	Project No.	E3027-23	A1
	Carried out for	Johnson Matthey	

Exploratory Hole Location Plan

SOCOTEC



N
W
E
S

Notes:

Site Plan created using Professional incorporating Bing Maps included under licence with Bentley Ltd.

Scale:	Sheet Size:
1:1000	A4

Surveyed By:

Site Vision Surveys

Surveyed Date:

22/05/2023

Key:

Legend Key

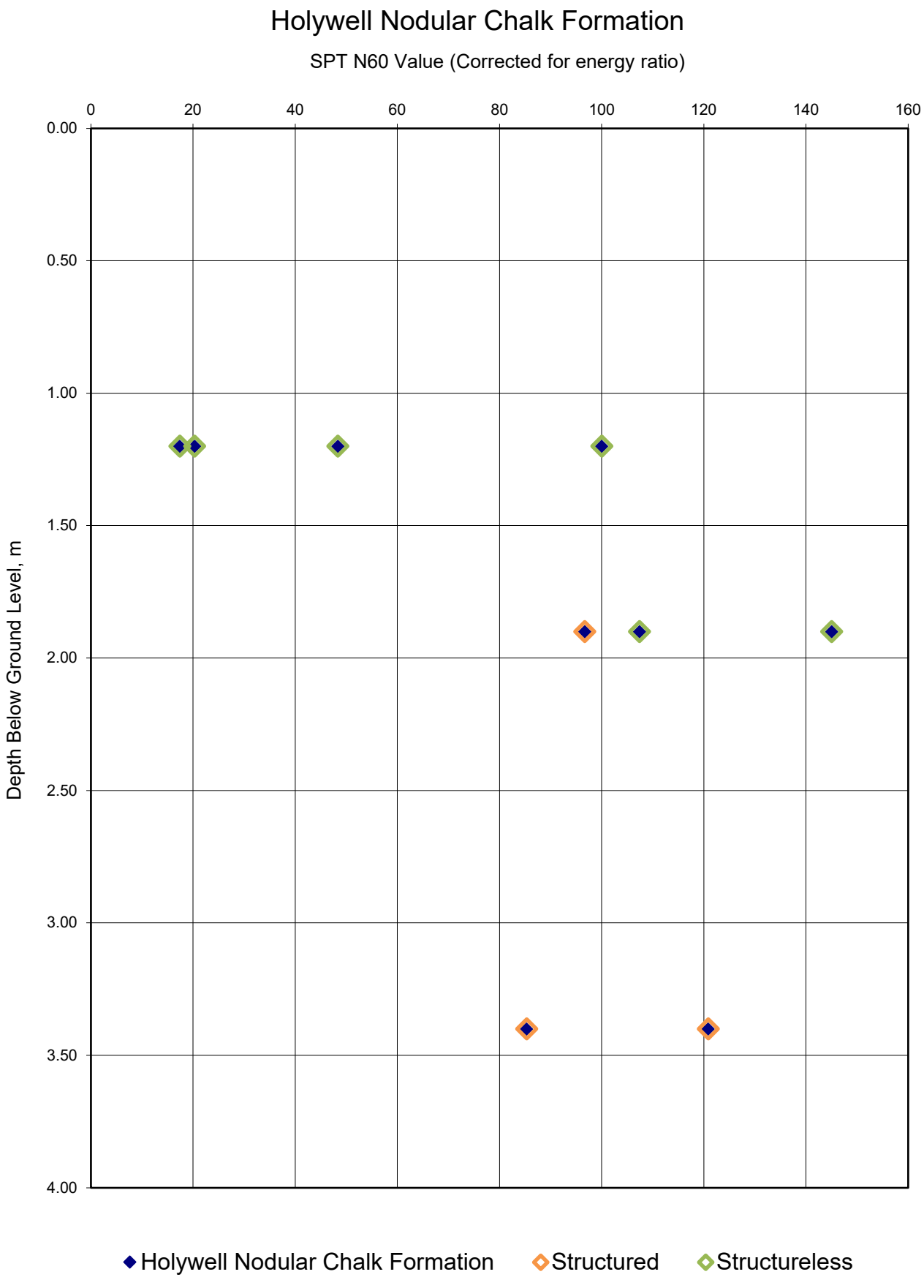
- Geophysics
- Trial pits with DCP
- Boreholes
- Site Boundary

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Figure:

A2

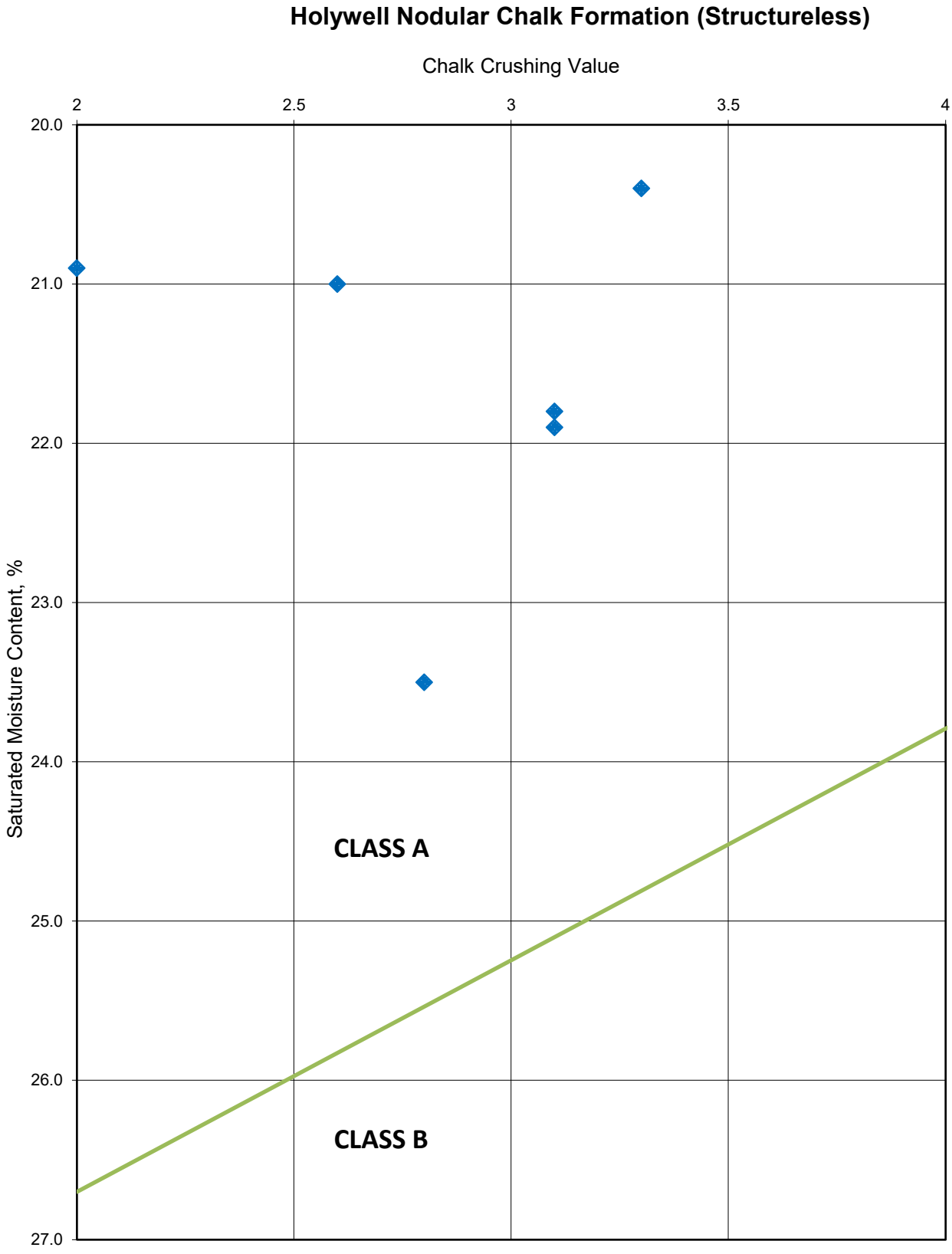
SPT N Value - Depth Profile



Notes:	Project	Project 3CR, Royston	Figure
	Project No.	E3027-23	A3
	Carried out for	Johnson Matthey	Sheet 1 of 1

Chalk Crushing Value - Saturated Moisture Content Relationship

SOCOTEC



Notes: Class based on HA 44/91

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

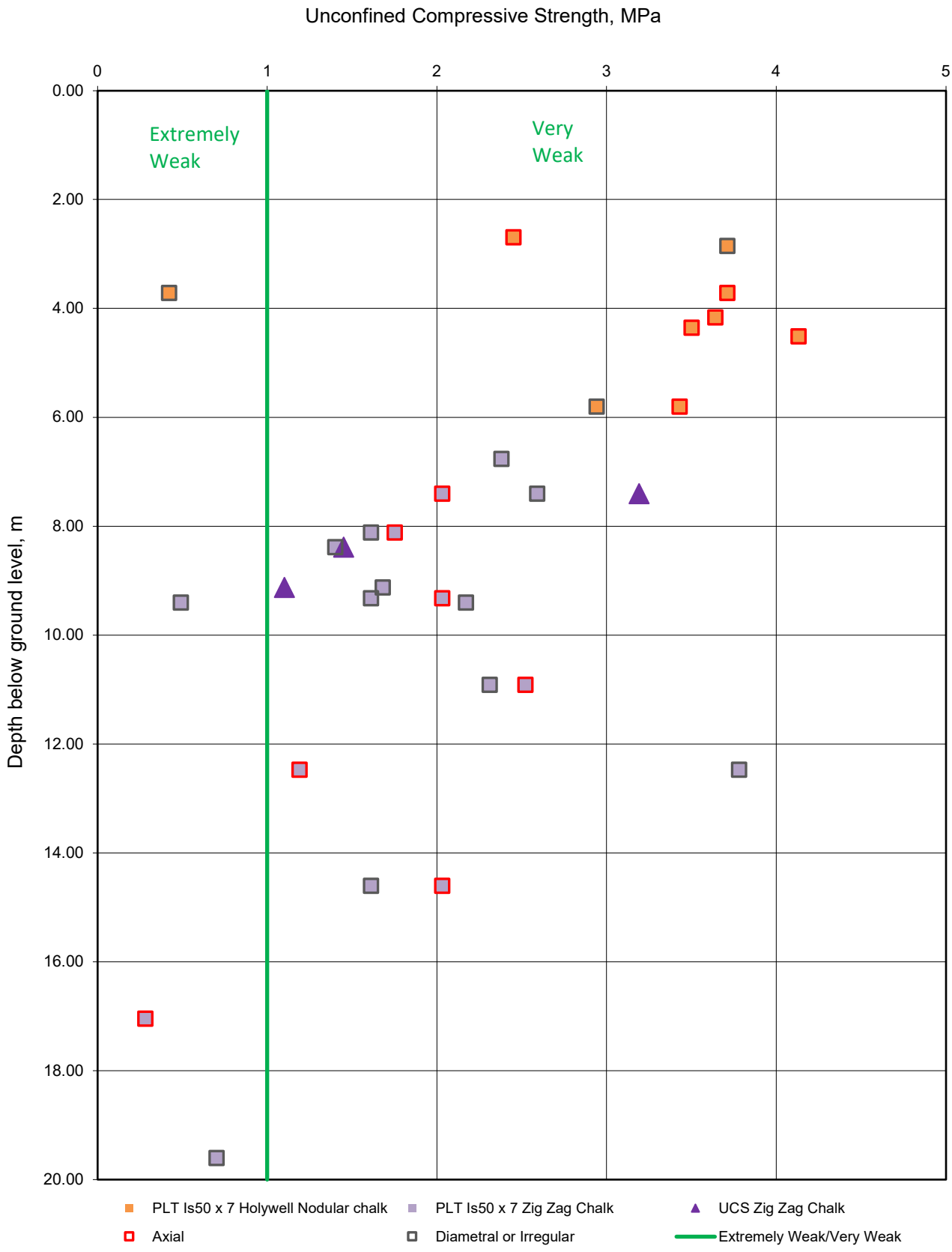
Figure

A4

Sheet 1 of 1

Unconfined Compressive Strength vs Depth (m)

SOCOTEC



Notes: Is50 x 7 may over or underestimate the apparent rock strength of the tested sample. All results assessed by same value to show overall relationship within the strata.

Project	**Project 3CR**
Project No.	**E3027-23**
Carried out for	**Johnson Matthey**

Sheet **A5**

APPENDIX B
EXPLORATORY HOLE RECORDS

Key to Exploratory Hole Records	Key
SPT Hammer Energy Ratio Report	Hammer reference TH61
Borehole Logs	BH01 to BH04
Trial Pit Logs	TP01 to TP03

Key to Exploratory Hole Records

SOCOTEC

SAMPLES

Undisturbed

U	Driven tube sample	nominally 100 mm diameter and 100% recovery unless otherwise stated
UT	Driven thin wall tube sample	
TW	Pushed thin wall tube sample	
P	Pushed piston sample	
CBR	CBR mould sample	
BLK	Block sample	
C	Core sample (from rotary core) taken for laboratory testing.	

Disturbed

D	Small sample (including samples recovered from SPT)
B	Bulk sample
LB	Large Bulk sample (comprising more than one container as required)

Other

W	Water sample	
G	Gas sample	
ES	Soil sample	Environmental chemistry samples (in more than one container where appropriate)
EW	Water sample	

Comments to samples

Sequential sample reference numbers are assigned to every sample taken during hole construction.

NR - No Recovery. Used where tube sampling has been attempted but no sample obtained (for whatever reason).

Samples not shown on exploratory hole logs:

- subsamples / specimens taken for on-site testing, eg point load testing
- samples taken from borehole installations (ie water or gas) after hole construction

DYNAMIC SAMPLING

Dynamic sampling includes 'window' and 'windowless' sampling methods, with and without a sample liner respectively

DYS	Dynamic sampling range showing tube / liner recovery (rec.) and diameter. Material retained as separate samples.
L	Retained complete liner sample (with sample reference number)

IN SITU/FIELD TESTS

SPT S or SPT C	Standard Penetration Test, open shoe (S) or solid cone (C). The Standard Penetration Test is defined in BS EN ISO 22476-3:2005+A1:2011. The open shoe configuration is used without a sample liner unless shown otherwise. Samples recovered by SPT open shoe are shown as type D. The incremental blow counts are given in the Field Records column; each increment is 75 mm unless stated otherwise and any penetration under self-weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number of blows for the test drive is presented as N = ** in the Test column. Where the test drive blows reach the limiting value (usually 50) the total blow count beyond the seating drive is given (without the N = prefix). See Note 7 also.
IV	*in situ*/field vane shear strength, peak (p) and remoulded (r), kPa
HV	Hand vane shear strength, peak (p) and remoulded (r), kPa
PP	Pocket penetrometer test, converted to shear strength, kPa
KFH, KRH, KPI	Permeability tests : KFH = falling head, KRH = rising head, KPI = packer inflow (water pressure test). Results presented on separate report sheets.
PID	VOC concentration using hand-held photo-ionisation detector, ppmv

DRILLING RECORDS

Classification of discontinuity state - as defined in BS 5930:2015+A1:2020

TCR	Total Core Recovery, %
SCR	Solid Core Recovery, %
RQD	Rock Quality Designation, %
If	Fracture spacing, mm - presented as minimum, mode (or 'typical' value) and maximum spacing.
FI	Fracture Index - presented as number of fractures per metre.
NI	Non-intact - used to indicate where the core is fragmented (ie non-Solid Core).
NA	Not-applicable - used where a measurement is inappropriate (eg for non-rock materials, zones of no recovery)
NIDD	Non-intact Drilling Induced – used to indicate where rock believed to be non-fractured in the ground has been recovered as Non-intact due to the drilling process. (Used only where specified)
NDP	No Discontinuities Present – used to indicate where core is non-fractured. (Used only where specified as alternative representation to showing a single If value for the depth range of non-fractured core.)
CRF	Core Recovered in the Following run (length in m) – used to indicate length adjustment to TCR (and SCR, RQD and If accordingly) where slipped/dropped core from a core run has been recovered in the subsequent run.
AZCL	Assessed Zone of Core Loss – used to indicate estimated depth range corresponding to core loss (for TCR<100 %). Assumed to be at the start of the core run where no judgement is possible. Not shown for core loss less than 5 %.

Flush returns – presented as estimated percentage in the Records column, with colour where relevant.

Notes:
See report text for full references of standards.
Updated Oct 2022 v1.4 col

Key

Key to Exploratory Hole Records

SOCOTEC

GROUNDWATER

▼ Groundwater entry

▽ Depth to groundwater after observation period

INSTALLATIONS Any installations are shown on the Exploratory Hole Record in the rightmost Backfill column with appropriate graphic.

Standpipe/ piezometer

SP	Standpipe
SPIE	Standpipe piezometer
PPIE	Pneumatic piezometer
EPIE	Electronic piezometer

Plain Pipe 

Slotted Pipe 

Piezometer Tip 

Inclinometer or Slip Indicator

ICE	Biaxial inclinometer
ICM	Inclinometer tubing for use with probe
SLIP	Slip indicator

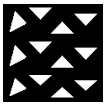
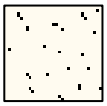
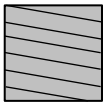
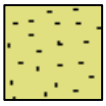
Settlement Points

ESET	Electronic settlement cell/gauge
ETM	Magnetic extensometer settlement point

Pressure Cells

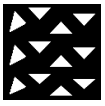
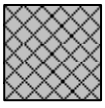
EPCE	Electronic embedment pressure cell
PPCE	Electronic push-in pressure cell

INSTALLATION / BACKFILL LEGENDS A legend describing the installation is shown in the rightmost column. Legend symbols used to describe the backfill materials are indicated below.

Macadam 
Concrete 
Grout 
Bentonite 
Sand 
Gravel 
Arisings 

STRATUM LEGENDS The legend symbols used for graphical representation of soils, rocks and other materials on the borehole logs are shown below. For soils with significant proportions of secondary soil types, a combination of two or more symbols is used.

Note that the Made Ground / Fill stratum legend does not differentiate between engineered and non-engineered anthropogenic materials.

Macadam 
Concrete 
Topsoil 
Made Ground / Fill 
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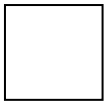
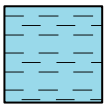
Void or No Information 

Clay 
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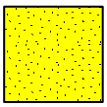
Sand 
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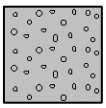
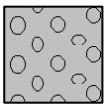
Cobbles 
Boulders 
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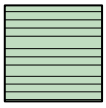
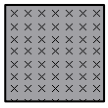
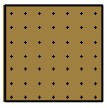
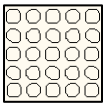
Mudstone 
Siltstone 
Sandstone 
Conglomerate 
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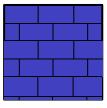
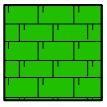
Limestone 
Chalk 

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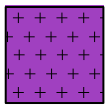
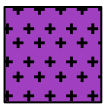
Igneous (Med) 
Igneous (Coarse) 
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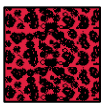
Metamorphic (Med) 
Metamorphic (Coarse) 
Tuff 

Notes:
See report text for full references of standards.
Updated Oct 2022 v1.4 col

Key

Key to Exploratory Hole Records

SOCOTEC

NOTES

1 **Geological materials** are described in accordance with BS 5930:2015+A1:2020, which is compliant with BS EN ISO 14688-1:2018 and 14689-1:2018 for soils and rocks respectively.

2 The **consistency** determined during description for fine soils (clay and silt) is reported for strata where undisturbed samples are available. Where the logger considers that the samples may not be representative of the in situ condition, for whatever reason, the reported consistency may be omitted, or qualified using the terms *Probably,* where the logger is reasonably confident of the assessment, or *Possibly,* where there is less certainty.

3 The presence of **very coarse particles** (cobbles and boulders) is included in the stratum descriptions on logs using the proportional terminology of BS 5930 where possible. However, due to their relatively large size in relation to the diameter of boreholes, and volumes of samples recovered, these records may not be fully representative of their size and frequency in the ground. Where sample mass precludes a reliable estimate of the proportion of very coarse particles, their presence may be described using undefined qualitative terms, eg occasional, frequent, etc, or by noting the number of cobbles/boulders observed.

4 The **declination of bedding and joints** is given with respect to the normal to the core axis, ie perpendicular to the direction of drilling. In a vertical borehole this will therefore correspond to the dip.

5 The assessment of **SCR, RQD and Fracture Spacing** excludes all non-natural fractures (ie drilling induced) where these can be positively identified.

6 Observations of discernible **groundwater entries** during the advancement of the exploratory hole are given at the foot of the log and in the Legend column. The absence of a recorded groundwater entry should not, however, be interpreted as a groundwater level below the base of the borehole. Under certain conditions groundwater entry may not be observed, for instance, drilling with water flush or overwater, or boring at a rate faster than water can accumulate in the borehole. Similarly, where water entry observations do exist, groundwater may also be present at higher elevations in the ground than where recorded in the borehole. In addition, where appropriate, water levels in the hole at the time of recovering individual samples or carrying out in situ tests and at shift changes are given in the Records column.

7 The borehole logs present the results of **Standard Penetration Tests** recorded in the field without correction or interpretation. However, in certain ground conditions (eg high hydraulic head or where very coarse particles are present) some judgement may be necessary in considering whether the results are representative of in situ mass conditions.

8 | Date | Time |
| --- | --- |
| Casing | Water |

Overnight pauses in hole progress are shown by a horizontal line together with records of casing depth and water level at the start and end of shift, together with the corresponding date and time. Casing depths and water levels are also shown at the time of tube sampling and Standard Penetration Tests.

REFERENCES

1 BS EN ISO 14688-1:2018 : Geotechnical investigation and testing - Identification and classification of soil. Part 1 Identification and description. British Standards Institution

2 BS EN ISO 14689 : 2018 : Geotechnical investigation and testing - Identification and classification of rock. British Standards Institution

3 BS EN ISO 22476-3:2005+A1 : 2011 : Geotechnical investigation and testing - Field testing. Part 3 Standard penetration test. British Standards Institution

4 BS 5930:2015+A1:2020 : Code of practice for ground investigations. British Standards Institution

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Socotec uk
Progress close
Binley
Coventry
CV3 2TF

SPT Hammer Ref:	TH61
Test Date:	22/03/2023
Report Date:	22/03/2023
File Name:	TH61.spt
Test Operator:	DP

Instrumented Rod Data

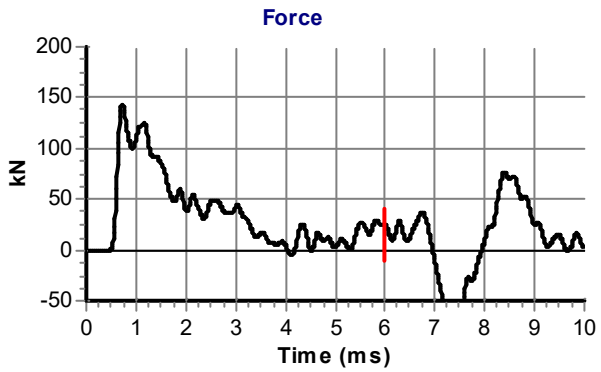
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.6
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	72570
Accelerometer No.2:	72571

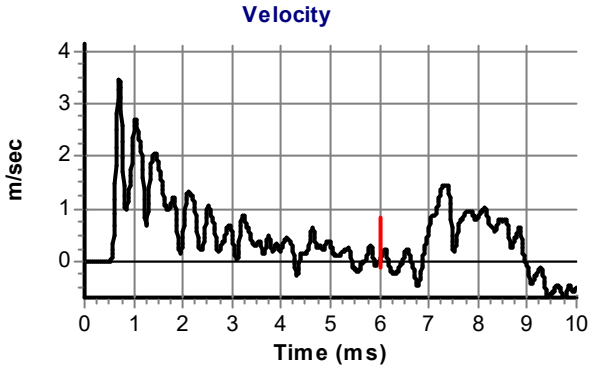
SPT Hammer Information

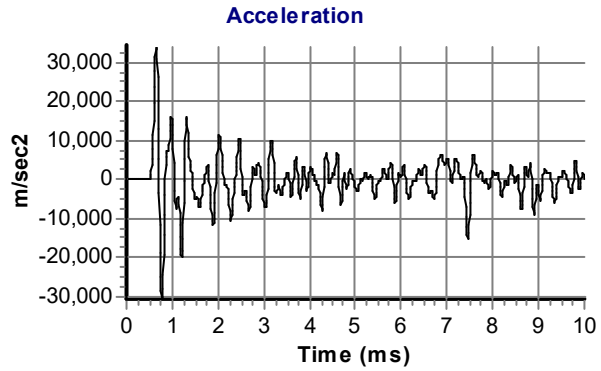
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	15.0

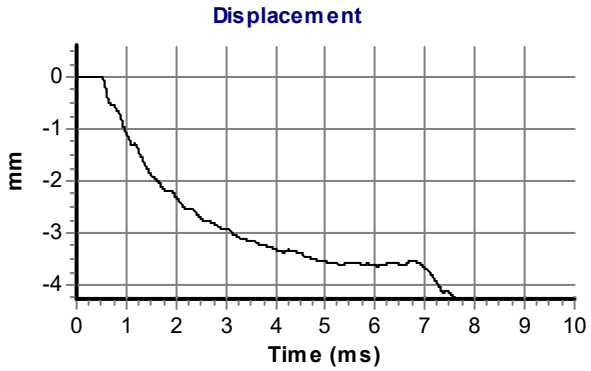
Comments / Location

TEST









Calculations

Area of Rod A (mm2):	983
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	276

Energy Ratio E_r (%): **58**

Signed: D.PERRETT

Title: Drilling Supervisor

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Hole		Casing		Depth Related Remarks		Ground Level	54.20 mOD
DB	0.00 - 1.20 1.20 - 20.10	24 May 23 - 24 May 23 25 May 23 - 31 May 23	Hand dug inspection pit excavated to 1.20m. Rotary coring (Geobore S) from 1.20m to 20.10m.	Hand tools R74 Comacchio GEO305	DP DP	SM SM/DB	24 May 23 15 Jun 23	Depth 4.00 20.10	Dia. (mm) 150 146	Depth 4.00 20.10	Dia. (mm) 150 146	Depth 0.00 - 4.00	Remarks SW casing reamed to 4m due to flush loss	Coordinates	E 534754.99
Approved														National Grid	N 241326.02
M Martin														System	

Date / Casing	Time / Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Samp / Test: Casing	Water	Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added / Flush details		Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Chisel.	Water Entry	Backfill
25 May 23 0.00	0800 Dry	0.10 - 0.20 0.10 0.20 - 1.20 0.30 0.50 0.50	B 4 ES 1 B 6 ES 2 D 5 ES 3												(0.05) 0.05 (0.15) 0.20 (1.00)	+54.14 +54.00		MACADAM. Brown very gravelly clayey fine to medium SAND. Gravel is subangular to subrounded fine and medium of limestone. (FILL) Extremely weak to very weak medium density brownish white CHALK recovered as very silty gravel. (HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dc)	0.20 Black membrane			0.50
		1.00 1.00 1.20	D 7 ES 8 D 9		1.20 - 1.48	SPT S	50 (14,11 for 60mm/25,25 for 70mm) ID TH61 Er 58%		Dry	1.20 - 1.90	100 0 0	NI NI NI	Water flush: 1.20 - 1.90	90% rec	1.20 (0.40) 1.60	+53.00 +52.60		Weak high density white CHALK recovered as subrounded coarse gravel. (HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dc)				
		1.90	D 10		1.90 - 2.10	SPT S	50 (15,10 for 20mm/35,15 for 25mm) ID TH61 Er 58%	1.90	0.50			NI NI NI			(0.60) 2.20	+52.00		Weak high density white CHALK recovered as subangular and subrounded medium and coarse gravel and cobbles with occasional black specks and rare light brown surface staining. (HOLYWELL NODULAR CHALK FORMATION, possibly structured)				
		2.40 - 2.48 2.69 - 2.75	D 11 C 12							1.90 - 3.40	100 27 8	NI 150 360	Water flush: 1.90 - 3.40	80% rec	(2.15)			Weak medium to high density white CHALK. Fracture set 1: 20 to 40 degrees, closely spaced stepped rough with occasional black specks and grey silt infill (<1mm). Fracture set 2: 75 to 90 degrees, stepped to planar rough with black specks. Possible incipient fractures are randomly orientated, very closely and closely spaced with occasional black specks (broken with minimal force/light hand pressure). (HOLYWELL NODULAR CHALK FORMATION, Grade B3/4)				
		3.96 - 4.05 4.16 - 4.25	D 13 C 14							3.40 - 4.90	100 63 50				4.35	+49.84		Weak to moderately weak high density white CHALK with occasional wispy marl (<2mm). Fracture set 1: 10 to 50 degrees, possibly closely spaced, undulating and stepped rough with black specks (locally heavy), occasional light brown surface staining and grey silt infill (<3mm). Fracture set 2: 75 to 90 degrees, locally intersecting, planar and stepped rough with heavy black speckling. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE MELBOURN ROCK MEMBER, Grade B3/4)	4.35-5.15 Locally slightly gritty texture			
		6.24 - 6.33 6.62 - 6.70	D 15 C 16							4.90 - 5.90 5.90 - 7.40	100 12 0 100 57 20	NI NI 120 350 350 350	Water flush: 3.40 - 10.40	90% rec	(1.85) 6.20 (0.35) 6.55	+48.00 +47.64		Very weak to weak greyish white calcareous MUDSTONE (marly chalk). Fracture is 85 degrees, planar smooth with occasional yellow staining and locally heavy black speckling. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER, Grade B2) Very weak high density light greyish white CHALK with widely locally medium spaced green marl (2mm). Locally NI in zones up to approx 500mm and grading to weak high density 12.20m to 16.40m. Fracture set 1: 10 to 30 degrees, medium to widely spaced, rough locally slightly polished with orange staining and black specks. Fracture set 2: 70 to 90 degrees, planar smooth locally slightly polished with orange staining and occasional black specks. (ZIG ZAG CHALK FORMATION, Grade B1/2)	6.40-6.55 Locally grading to extremely weak and clay			
		7.40 - 7.64 7.71 - 7.83 8.30 - 8.41	C 17 D 18 C 19							7.40 - 8.90	100 90 90											
		9.10 - 9.32 9.32 - 9.60 9.76 - 9.85	C 21 C 20 D 22							8.90 - 10.40	100 70 70										9.00	

Hole continues on next sheet

General Remarks

Hard Boring / Chiselling
Depths | Duration (mins) | Tool

Groundwater Entries
No. | Depth | Remarks | Sealed

Notes
For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project Project 3CR, Royston
Project No. E3027-23
Carried out for Johnson Matthey

Status FINAL

Scale 1:50
Printed 16 Aug 2023 14:00:49

AGS

Borehole BH01

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Hole		Casing		Depth Related Remarks			
DB	0.00 - 1.20	24 May 23 - 24 May 23	Hand dug inspection pit excavated to 1.20m.	Hand tools	DP	SM	24 May 23	Depth	Dia. (mm)	Depth	Dia. (mm)	Depth	Remarks	Ground Level	54.20 mOD
	1.20 - 20.10	25 May 23 - 31 May 23	Rotary coring (Geobore S) from 1.20m to 20.10m.	R74 Comacchio GEO305	DP	SM/DB	15 Jun 23	4.00	150	4.00	150			Coordinates	E 534754.99
Approved								20.10	146	20.10	146			National Grid	N 241326.02
M Martin														System	

Date Casing	Time Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Samp / Test Casing	Water	Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added Flush details	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Chisel.	Water Entry	Backfill
25 May 23 10.40	1700 9.10																Very weak high density light greyish white CHALK with widely locally medium spaced green marl (2mm). Locally NI in zones up to approx 500mm and grading to weak high density 12.20m to 16.40m. Fracture set 1: 10 to 30 degrees, medium to widely spaced, rough locally slightly polished with orange staining and black specks. Fracture set 2: 70 to 90 degrees, planar smooth locally slightly polished with orange staining and occasional black specks. (ZIG ZAG CHALK FORMATION, Grade B1/2)				
26 May 23 10.40	0800 9.10																				
		10.91 - 11.15	C 23							10.40 - 11.90	100 89 89										
		11.45 - 11.56	C 24																		
		11.81 - 11.90	D 25																		
		12.47 - 12.75	C 26							11.90 - 13.40	100 67 60										
		13.18 - 13.40	C 27											(13.55)							
		13.56 - 13.64	D 28																		
		14.60 - 14.78	C 29							13.40 - 14.90	100 100 86										
		14.78 - 14.90	C 30																		
		14.90 - 15.01	D 31									NI 680 1860									
										14.90 - 16.40	100 95 73		Water flush: 10.40 - 20.10	75% rec							
		16.95 - 17.04	D 32																		
		17.04 - 17.16	C 33							16.40 - 17.90	100 77 53										
		18.43 - 18.65	C 34																		
		18.88 - 19.00	D 35							17.90 - 19.40	100 97 91										
		19.60 - 19.76	C 36																		
26 May 23 20.10	1700 1.50									19.40 - 20.10	100 44 33										
																	Hole continues on next sheet				

																					19.00 SP

General Remarks

Hard Boring / Chiselling

Depths	Duration (mins)	Tool

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:50

Printed 16 Aug 2023 14:00:49

AGS

Borehole

BH01

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged
DB	0.00 - 1.20 1.20 - 20.10	24 May 23 - 24 May 23 25 May 23 - 31 May 23	Hand dug inspection pit excavated to 1.20m. Rotary coring (Geobore S) from 1.20m to 20.10m.	Hand tools R74 Comacchio GEO305	DP DP	SM SM/DB	24 May 23 15 Jun 23
Approved							
M Martin							

Hole		Casing		Depth Related Remarks	
Depth	Dia. (mm)	Depth	Dia. (mm)	Depth	Remarks
4.00 20.10	150 146	4.00 20.10	150 146		

Ground Level	54.20 mOD
Coordinates	E 534754.99
National Grid	N 241326.02
System	

Date / Time	Samples			Field Tests			Samp / Test		Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added / Flush details	Depth (Thickness)	Level	Legend	Strata Description		Chisel.	Water Entry	Backfill
Casing / Water	Depth	Type & No.	Records	Depth	Type	Records	Casing	Water								Main	Detail			
													20.10	+34.10		Very weak high density light greyish white CHALK with widely locally medium spaced green marl (2mm). Locally NI in zones up to approx 500mm and grading to weak high density 12.20m to 16.40m. Fracture set 1: 10 to 30 degrees, medium to widely spaced, rough locally slightly polished with orange staining and black specks. Fracture set 2: 70 to 90 degrees, planar smooth locally slightly polished with orange staining and occasional black specks. (ZIG ZAG CHALK FORMATION, Grade B1/2) END OF EXPLORATORY HOLE				20.10

General Remarks

Hard Boring / Chiselling

Depths	Duration (mins)	Tool

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:50

Printed 16 Aug 2023 14:00:49

AGS

Borehole

BH01

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Hole		Casing		Depth Related Remarks			
DB	0.00 - 1.20 1.20 - 10.00	05 Jun 23 - 05 Jun 23 05 Jun 23 - 06 Jun 23	Hand dug inspection pit excavated to 1.20m. Rotary coring (Geobore S) from 1.20m to 10.00m.	Insulated Hand tools R74 Comacchio GEO305	DP DP	SM SM	05 Jun 23 16 Jun 23	Depth 10.00	Dia. (mm) 146	Depth 10.00	Dia. (mm) 146	Depth	Remarks		
Approved														**Ground Level**	54.26 mOD
M Martin														**Coordinates**	E 534725.60
														National Grid	N 241329.33
														System	

Date / Casing	Time / Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Samp / Test: Casing	Water	Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added: Flush details		Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Chisel.	Water Entry	Backfill
															(0.10)	+54.16		MACADAM.				0.20
05 Jun 23	1430	0.10 - 0.30	B 2												0.10			Reddish brown very gravelly slightly clayey fine and medium SAND. Gravel is subangular to subrounded fine to coarse of limestone and brick.				
0.00	Dry	0.10	ES 1												(0.20)	+53.96		(FILL)				
		0.30 - 0.60	B 6												0.30			Brown slightly sandy slightly gravelly CLAY. Sand is fine and medium. Gravel is subangular to subrounded fine and medium of quartzite and chalk.				
		0.30	ES 3												(0.30)	+53.66		(MADE GROUND)				
		0.50	D 5												0.60			Very weak high density white CHALK recovered as light brown and white very gravelly silt. Gravel is subangular to subrounded fine to coarse.				
		0.50	ES 4												(0.60)			(HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dm)				1.20
		0.60 - 1.20	B 9												1.20	+53.06		Weak high density white CHALK recovered as subangular to subrounded coarse gravel.				
		1.00	D 8												(0.35)			(HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dc)				
		1.00	ES 7												1.55	+52.71		Weak high density white CHALK.				
		1.20	D 10		1.20 - 1.65	SPT S	N=21 (5,5/4,5,5,7) ID TH61 Er 58%	1.20				NI NI NI						Fracture set 1: Possibly 10 to 50 degrees, very closely to closely spaced, stepped rough with occasional black speckles and grey silt infill (up to 1mm)				
										1.20 - 1.90	100 0 0		Water flush: 1.20 - 1.90	90% rec				Fracture set 2: 70 to 90 degrees, planar, rough with black speckling.				
		1.90	D 11		1.90 - 2.20	SPT S	50 (10,8/24,26 for 75mm) ID TH61 Er 58%	1.90										Possible incipient fractures are rough, very closely spaced with black speckles and grey silt infill. Difficult to distinguish from fracture sets - broken with minimal force/light hand pressure.				
																		(HOLYWELL NODULAR CHALK FORMATION Grade B3/4)				
												NI 40 105			(2.00)							
		2.85 - 2.94	C 13							1.90 - 3.40	100 57 40		Water flush: 1.90 - 3.40	75% rec								
05 Jun 23	1645	3.25 - 3.33	D 14																			
3.40	2.05	3.40	D 3		3.40 - 3.72	SPT S	50 (10,15/18,23,9 for 20mm) ID TH61 Er 58%	3.40	1.45													
06 Jun 23	0745	3.40	D 12												3.55	+50.71		Weak to moderately weak, high density creamish white CHALK with occasional wispy marl (up to 2mm)				
3.40	2.05																	Fracture set 1: 10 to 20 degrees closely spaced undulating and stepped rough with black speckles, occasional light grey silty infill (up to 1mm) and orange brown staining.				
																		Fracture set 2: 75 to 90 degrees, planar rough with occasional locally heavy light orangish brown staining,				
																		(HOLYWELL NODULAR CHALK FORMATION, Grade B3)				
		4.35 - 4.44	C 16																			
										3.40 - 4.90	100 67 30				(1.93)							
		4.68 - 4.84	C 15									NI 60 120							4.80-5.00 Very weak to weak medium to high density			
													Water flush: 3.40 - 6.40	50% rec					5.00-5.30 NI - subangular to subrounded medium to coarse gravel with light grey and orange surface staining			
		5.34 - 5.43	D 17												5.48	+48.78		Extremely weak and very weak light brownish yellow calcareous SILTSTONE.				
										4.90 - 6.40	100 43 20				(0.62)			(HOLYWELL NODULAR CHALK FORMATION - POSSIBLE MELBOURN ROCK MEMBER)				
												NI 40 100							5.85-6.10 Weak high density			
		6.21 - 6.35	C 19												6.10	+48.16		Light grey CLAY over very weak to weak calcareous MUDSTONE.				
		6.62 - 6.74	D 20												(0.53)			Fractures are randomly orientated very closely and closely spaced planar smooth with black specks.				
															6.63	+47.63		(HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER)				
																		Very weak medium becoming high density light greyish white CHALK.				
										6.40 - 7.90	100 82 82		Water flush: 6.40 - 7.90	0% rec				Fracture set 1: 5 to 20 degrees medium spaced undulating rough to planar smooth with occasional black specks, localised grey silt infill (<1mm) and localised polished mineralisation.				
		7.40 - 7.66	C 18															Fracture set 2: 70 to 90 degrees undulating rough to planar smooth with black speckles and localised polished mineralisation.				
																		(ZIG ZAG CHALK FORMATION, Grade B2/3)				
												NI 200 600							7.40 medium density			
		8.20 - 8.38	C 22												(3.37)							
		8.38 - 8.71	C 21							7.90 - 9.40	100 70 70		Water flush: 7.90 - 9.40	50% rec								
		9.34 - 9.40	D 23																9.40 high density			9.00 SP
		9.40 - 9.66	C 24																			
06 Jun 23	1645									9.40 - 10.00	100 42 42		Water flush: 9.40 - 10.00	75% rec								
10.00	2.25														10.00	+44.26		END OF EXPLORATORY HOLE				10.00

General Remarks

Hard Boring / Chiselling

Depths	Duration (mins)	Tool

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:50

Printed 16 Aug 2023 14:00:50

AGS

Borehole

BH02

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Hole		Casing		Depth Related Remarks			
DB	0.00 - 1.20 1.20 - 10.00	31 May 23 - 31 May 23 01 Jun 23 - 02 Jun 23	Hand dug inspection pit to 1.20m. Rotary coring (Geobore S) to 10.00m.	Hand tools Comacchio 305	DP DP	SM SC-M	31 May 23 21 Jun 23	Depth 10.00	Dia. (mm) 146	Depth 10.00	Dia. (mm) 146	Depth	Remarks		
Approved															
M Martin															

Ground Level	54.50 mOD
Coordinates	E 534738.49
National Grid	N 241298.50
System	

Date / Time Casing	Water	Samples: Depth	Type & No.	Records	Field Tests: Depth	Type	Records	Samp / Test: Casing	Water	Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added: Flush details		Depth (Thickness)	Level	Legend	Strata Description: Main	Detail	Chisel.	Water Entry	Backfill
31 May 23	1300 Dry	0.20	D 2												(0.10)	+54.40		MACADAM.				
		0.20 - 0.30	B 3												0.10			Reddish brown very gravelly slightly clayey fine and medium SAND. Gravel is subangular to subrounded fine to coarse of limestone.				
		0.20	ES 1												(0.20)	+54.20		(FILL)				
		0.30 - 1.20	B 6												0.30			Weak to very weak medium density CHALK composed of white silt with occasional subangular to subrounded clasts (up to 35mm).				
		0.50	D 5												(0.90)			(HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dm)				0.80
31 May 23	1530 Dry	0.50	ES 4																			1.00
		1.00	D 7												1.20	+53.30						
		1.00	ES 8		1.20 - 1.65	SPT S	N=50 (5,7/7,7,18,18) ID TH61 Er 58%		0.10						(0.30)			Weak high density white CHALK recovered as angular to subrounded fine to coarse chalk with rare flint up to 30mm.				
01 Jun 23	0730	1.20 - 1.40	D 10												1.50	+53.00		(HOLYWELL NODULAR CHALK FORMATION, Possible Grade DC)				
1.30		1.20 - 1.40	D 9							1.20 - 1.70 (102mm)	100 14 0	NI NI NI NI NI NI	Water flush: 1.20 - 1.70	90% rec				Very weak high density white CHALK. Recovered as angular to subrounded fine to coarse gravel with occasional brown and grey staining on multiple surfaces.				
															(0.51)			(HOLYWELL NODULAR CHALK FORMATION, possibly structured)				
															2.01	+52.49		Weak high density white CHALK.	1.99-2.19 Multiple incipient fractures, very closely occasionally closely spaced orientated horizontal and approximately 30 degrees.			
										1.70 - 3.20 (102mm)	100 55 29		Water flush: 1.70 - 3.20	50% rec				Fracture set 1: 0 to 10 degrees, very closely to closely spaced (30/100/150mm), undulating rough with brown and grey staining (up to 1mm penetration) blackspeckling and occasionally infilled with clay (up to 2mm). Fracture set 2: 70 to 80 degrees, undulating rough with brown, grey and orange staining and occasional black speckling. Localised incipient fractures approx 40 to 60 degrees. (HOLYWELL NODULAR CHALK FORMATION, Grade B3)				
		2.97 - 3.09	C 11									NI 100 150										
															(2.54)							
		3.71 - 3.84	C 12							3.20 - 4.60 (102mm)	99 61 34		Water flush: 3.20 - 4.60	0% rec					4.19-4.30 Slightly gritty.			
		4.14	D 13												4.55	+49.95		Weak locally moderately weak, high to very high density creamish white CHALK with occasional sytolites and locally wispy marl. Fractures are 0 to 30 degrees, very closely to closely spaced (40/80/170) undulating smooth occasionally rough stained yellow and grey with occasional black speckling (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE MELBOURN ROCK MEMBER, Grade B3)				
		5.04 - 5.17	C 14							4.60 - 6.10 (102mm)	100 100 36	NI 80 170	Water flush: 4.60 - 6.10	0% rec	(1.55)							
01 Jun 23	1700	5.80 - 5.99	C 15																			
6.10	4.85														6.10	+48.40		Weak locally moderately weak white CHALK with beds of grey mudstone locally grading to clay. Fracture set 1: 0 to 10 degrees, closely spaced (60/110/140) undulating smooth with grey staining. Fracture set 2: 70 to 90 degrees planar smooth with heavy black staining. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER)	6.18-6.22 Orange silty clay.			
02 Jun 23	0730														(0.85)				6.59-6.61 Very weak grey mudstone.			
6.10	4.85	6.38 - 6.51	C 16									NI 110 140							6.87-6.92 Extremely weak to very weak grey calcareous mudstone.			
		6.85 - 6.92	D 17							6.10 - 7.60 (102mm)	99 64 15		Water flush: 6.10 - 7.60	50% rec								
		6.94 - 7.04	C 18												6.95	+47.55		Very weak medium becoming high density greyish white CHALK. Fracture set 1: 0 to 30 degrees closely spaced (80/110/210) planar smooth with light grey staining and occasional black speckling. Fracture set 2: 70 to 90 degrees planar smooth with heavy grey and yellow staining. (ZIG ZAG CHALK FORMATION, Grade B3)				6.92-6.95 Stiff grey clay.
02 Jun 23	1000																					
7.60	1.45																					
05 Jun 23	0745																					
7.60	1.45																		7.89-7.99 2 intersecting 45 degree fractures.			
		8.11 - 8.28	C 19							7.60 - 9.10 (102mm)	100 78 53	NI 110 210	Water flush: 7.60 - 9.10	75% rec					8.11 high density			
		8.63 - 8.96	D 20												(3.05)							
																			8.70-8.80 non intact, 2 very closely spaced approx 70 degrees fractures.			
		9.10 - 9.15	D 22																			SP
		9.48 - 9.66	C 21							9.10 - 10.00 (102mm)	100 100 100		Water flush: 9.10 - 10.00	75% rec								9.50
05 Jun 23	1430																					
10.00	4.35														10.00	+44.50		END OF EXPLORATORY HOLE				10.00

General Remarks

Hard Boring / Chiselling

Depths	Duration (mins)	Tool

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:50

Printed 16 Aug 2023 14:00:51

AGS

Borehole

BH03

Borehole Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Rig Crew	Logger	Logged	Hole		Casing		Depth Related Remarks			
DB	0.00 - 1.20 1.20 - 10.00	06 Jun 23 - 06 Jun 23 07 Jun 23 - 07 Jun 23	Hand dug inspection pit excavated to 1.20m. Rotary coring from 1.20m to 10.00m.	Hand tools Comacchio 305		SM SC-M	06 Jun 23 22 Jun 23	Depth 10.00	Dia. (mm) 146	Depth 10.00	Dia. (mm) 146	Depth	Remarks		
Approved															
M Martin															

Ground Level	54.21 mOD
Coordinates	E 534747.30
National Grid	N 241350.21
System	

Date / Time Casing	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Samp / Test Casing	Water	Coring Depth (Diameter)	TCR % SCR % RQD %	If (mm)	Water added Flush details		Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Chisel.	Water Entry	Backfill
06 Jun 23 1545 0.00 Dry		0.10 - 0.20 0.10 0.20 - 0.50 0.30 0.40 0.50 - 0.70 0.60 0.70 0.70 - 1.20	B 2 ES 1 B 5 ES 3 D 4 B 8 ES 6 D 7 B 11												(0.10) 0.10 (0.10) 0.20 (0.30) 0.50 (0.20) 0.70 (0.50)	+54.11 +54.01 +53.71 +53.51		MACADAM Orangish brown very gravelly fine to medium SAND. Gravels are subangular to subrounded, fine to medium of limestone. (FILL)				0.50
06 Jun 23 1630 0.00 Dry		1.00	D 10		1.20 - 1.65	SPT S	N=18 (4,4/3,4,4,7) ID TH61 Er 58%	0.00	Dry			NI NI NI			1.20	+53.01		Light brown and white gravelly SILT. Gravel is subangular to subrounded clasts (up to 30 mm) of extremely weak to very weak low chalk. (Possible MADE GROUND)				
07 Jun 23 0730 0.00 0.45		1.00 1.20	ES 9 D 12							1.20 - 1.90 (102mm)	100 13 0	NI NI NI	Water flush: 1.20 - 1.90	75% rec	(0.20) 1.40 (0.82)	+52.81		Brown slightly gravelly CLAY. Gravels are subangular to subrounded, fine to medium of sandstone and quartzite. (MADE GROUND)				
		1.90	D 13		1.90 - 2.18	SPT S	50 (12,13 for 65mm/20,30 for 60mm) ID TH61 Er 58%	1.50	0.50						2.22	+51.99		Extremely weak to very weak medium density white CHALK recovered as silt with occasional subangular to subrounded clasts (up to 35mm). (HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dm)				
		2.61 - 2.71	D 15							1.90 - 3.40 (102mm)	100 64 11	NI	Water flush: 1.90 - 3.40	90% rec				Weak high density white CHALK recovered as subrounded fine to coarse clayey gravel with occasional black speckling and staining on surfaces and rare flint fragments (up to 15x10mm). (HOLYWELL NODULAR CHALK FORMATION, possibly Grade Dc)				
		3.13 - 3.19	D 16															Very weak, high density white CHALK with rare shells and shell fragments. Recovered as angular to subrounded fine to coarse gravel with occasional brown and grey staining, black speckling on multiple surfaces. (HOLYWELL NODULAR CHALK FORMATION, possibly structured)				
		3.40 3.40 - 3.50	D 14 D 17		3.40 - 3.64	SPT S	50 (15,10 for 45mm/28,22 for 45mm) ID TH61 Er 58%	3.40	0.95			NI 80 170			(2.23)			Weak high density white CHALK.. Fracture set 1: 0 to 20 degrees, very closely to closely spaced (20/80/170mm), undulating smooth occasionally rough with brown and grey staining (up to 1mm penetration) black speckling and occasionally infilled with clay (up to 1mm). Fracture set 2: 70 to 80 degrees, undulating rough with brown, grey and orange staining and occasional black speckling. Incipient fractures are randomly orientated very closely to closely spaced. (HOLYWELL NODULAR CHALK FORMATION, B3/4)	4.00-4.30 gritty			
		4.51 - 4.65	C 18							3.40 - 4.90 (102mm)	100 65 9	NI 60 80	Water flush: 3.40 - 4.90	90% rec	4.45 (1.09)	+49.76		Weak locally moderately weak high to very high density creamish white CHALK with occasional wispy marls (up to 3mm). Fractures are 0 to 30 degrees very closely to closely spaced (20/60/80) undulating rarely planar rough occasionally smooth with occasional grey clay infill (up to 3mm) with grey and brown staining and occasionally heavy black speckling (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE MELBOURN ROCK MEMBER, Grade B3/4)	4.51 very high density 5.27-5.31 blocky texture			
		5.30 - 5.36 5.77 - 5.84	D 19 D 20							4.90 - 6.40 (102mm)	98 66 0	NA NA NA NI 100 230	Water flush: 4.90 - 6.40	90% rec	5.54 (0.30) 5.84 (0.64)	+48.67 +48.37		Extremely weak locally very weak greyish brown to yellowish brown calcareous MUDSTONE locally grading to calcareous siltstone and clay. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER) Strong white CHALK with beds of grey mudstone locally grading to clay. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER)	5.64-5.67 firm orangish brown clay 5.68-5.70 firm orangish brown clay 5.94-5.98 firm grey silty clay			
		6.50 - 6.57 6.76 - 6.91	D 21 C 22							6.40 - 7.90 (102mm)	100 56 27	NA NA NA	Water flush: 6.40 - 7.90	90% rec	6.48 (0.22) 6.70	+47.73 +47.51		Extremely weak grey calcareous MUDSTONE. (HOLYWELL NODULAR CHALK FORMATION - POSSIBLE PLENUS MARLS MEMBER) Very weak medium and very high density greyish white CHALK. Fracture set 1: 0 to 30 degrees, closely to medium spaced (60/120/400) planar smooth with light grey staining and black speckling. Fracture set 2: 70 to 90 degrees, planar smooth occasionally rough very heavily stained (penetrating up to 1mm). (ZIG ZAG CHALK FORMATION, Grade B2/3)	6.76 high density			
																			8.12-8.22 2 45 degrees intersecting fractures				
										7.90 - 9.40 (102mm)	97 70 55	NI 120 400	Water flush: 7.90 - 9.40	90% rec	(3.30)							
		9.12 - 9.31 9.25 - 9.41	C 24 C 23																8.90-9.11 2 intersecting 70 to 80 degrees fractures, with dark grey staining 9.12 medium density				
		9.40 - 9.70	C 25																			
07 Jun 23 1700 10.00 0.45										9.40 - 10.00 (102mm)	100 100 73		Water flush: 9.40 - 10.00	90% rec	10.00	+44.21		END OF EXPLORATORY HOLE				10.00

General Remarks

Hard Boring / Chiselling

Depths	Duration (mins)	Tool

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:50

Printed 16 Aug 2023 14:00:52

AGS

Borehole

BH04

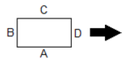
Trial Pit Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Crew	Logger	Logged
DB	0.00 - 2.00	30 May 23 - 30 May 23	Machine excavated trial pit to 2.10m.	JCB 3CX		S M	30 May 23
Approved							
M Martin							

Dimensions and Orientation

Width 0.60 m
Length 2.70 m



72 (Deg)

Depth Related Remarks

Depth	Remarks
0.60 - 0.60	Dynamic cone penetrometer test

Ground Level	54.19 mOD
Coordinates	E 534747.50
National Grid	N 241345.77
System	

Date	Time	Water	Sample Depth	Type & No.	Records	Field Test Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
									(0.10)			MACADAM.			
30 May 23	1100	Dry	0.10 - 0.60	B 4					0.10	+54.09		Brown very gravelly clayey fine and medium SAND. Gravel is subangular to subrounded fine to coarse of limestone. (FILL)			
			0.10	ES 1											
			0.30	ES 2					(0.50)						
			0.50	ES 3											
			0.60 - 1.00	B 7					0.60	+53.59		Light cream CHALK recovered as very silty subangular fine to coarse gravel with rare becoming occasional cobbles. Gravel and cobbles are typically very weak medium to high density (HOLYWELL NODULAR CHALK FORMATION, Possible grade Dc)	1.00 high density		
			1.00	D 6											
			1.00 - 2.00	B 9											
			1.00	ES 5											
									(1.50)						
			1.50	D 8											
30 May 23	1245	Dry													
									2.10	+52.09		END OF EXPLORATORY HOLE			2.10

General Remarks

No groundwater encountered.

Stability	Stable
Shoring	None
Weather	Cloudy, sunny

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:25
Printed 16 Aug 2023 14:00:52

AGS

Trial Pit

TP01

Sheet 1 of 1

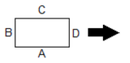
Trial Pit Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Crew	Logger	Logged
DB	0.00 - 1.90	31 May 23 - 31 May 23	Machine excavated trial pit to 1.90m.	JCB 3CX		S Mughal	30 May 23
Approved M Martin							

Dimensions and Orientation

Width 0.60 m
Length 2.80 m



338 (Deg)

Depth Related Remarks

Depth	Remarks
0.20 - 0.20	Dynamic cone penetrometer test

Ground Level	54.68 mOD
Coordinates	E 534764.48
National Grid	N 241300.67
System	

Date	Time	Water	Samples Depth	Type & No.	Records	Field Tests Depth	Type	Records	Depth (Thickness)	Level	Legend	Strata Description Main	Detail	Water Entry	Backfill
									(0.10)			MACADAM.			
31 May 23	1100	Dry	0.10	ES 1					0.10	+54.58		Reddish brown very sandy slightly clayey subangular to subrounded fine to coarse GRAVEL of limestone. Sand is fine and medium. (FILL)			
			0.20 - 1.00	B 5					(0.10)						
			0.30	ES 2					0.20	+54.48		Light cream CHALK recovered as very silty subangular fine to coarse gravel with rare becoming occasional cobbles. Gravel and cobbles are typically very weak medium density (HOLYWELL NODULAR CHALK FORMATION, Possible grade Dc)			
			0.50	D 4											
			0.50	ES 3											
			1.00 - 1.90	B 8					(1.70)						
			1.50	D 7											
			1.50	ES 6											
31 May 23	1200	Dry							1.90	+52.78		END OF EXPLORATORY HOLE			1.90

General Remarks

No groundwater encountered. Termination Reason: Unable to progress, hard digging

Stability	Stable
Shoring	None
Weather	Cloudy

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status FINAL

Scale 1:25
Printed 16 Aug 2023 14:00:52

AGS

Trial Pit **TP02**

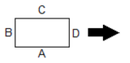
Trial Pit Log

SOCOTEC

Checked	Depth	Dates	Method	Equipment	Crew	Logger	Logged
DB	0.00 - 2.00	30 May 23 - 30 May 23	Machine excavated trial pit to 2.00m.	JCB 3CX		S Mughal	30 May 23
Approved M Martin							

Dimensions and Orientation

Width 0.60 m
Length 2.80 m



340 (Deg)

Depth	Depth Related Remarks
0.30 - 0.30	Dynamic cone penetrometer test

Ground Level	54.20 mOD
Coordinates	E 534730.11
National Grid	N 241316.44
System	

Date	Time	Water	Sample Depth	Sample Type & No.	Sample Records	Field Test Depth	Field Test Type	Field Test Records	Depth (Thickness)	Level	Legend	Strata Description Main	Strata Description Detail	Water Entry	Backfill
									(0.10)			MACADAM.			
30 May 23	1315	Dry	0.10 - 0.30	B 3					0.10	+54.10		Reddish brown very sandy slightly clayey subangular to subrounded fine to coarse GRAVEL of limestone and rare brick. Sand is fine and medium. (FILL)			
			0.10	ES 1					(0.20)						
			0.30 - 1.00	B 6					0.30	+53.90		Light cream CHALK recovered as very silty subangular fine to coarse gravel with rare becoming occasional cobbles. Gravel and cobbles are typically very weak medium to high density (HOLYWELL NODULAR CHALK FORMATION, Possible grade Dc)			
			0.30	ES 2											
			0.50	D 5											
			0.50	ES 4											
			1.00 - 2.00	B 9					(1.70)						
			1.50	D 8											
			1.50	ES 7											
30 May 23	1530	Dry							2.00	+52.20		END OF EXPLORATORY HOLE			2.00

General Remarks

No groundwater encountered.

Stability	Stable
Shoring	None
Weather	Cloudy, sunny

Groundwater Entries

No.	Depth	Remarks	Sealed

Notes

For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Status

FINAL

Scale 1:25
Printed 16 Aug 2023 14:00:53

AGS

Trial Pit

TP03

Sheet 1 of 1

APPENDIX C

DYNAMIC CONE PENETROMETER TESTING

Dynamic Cone Penetrometer Test	Test References DCP01 to DCP03

Dynamic Cone Penetrometer Test

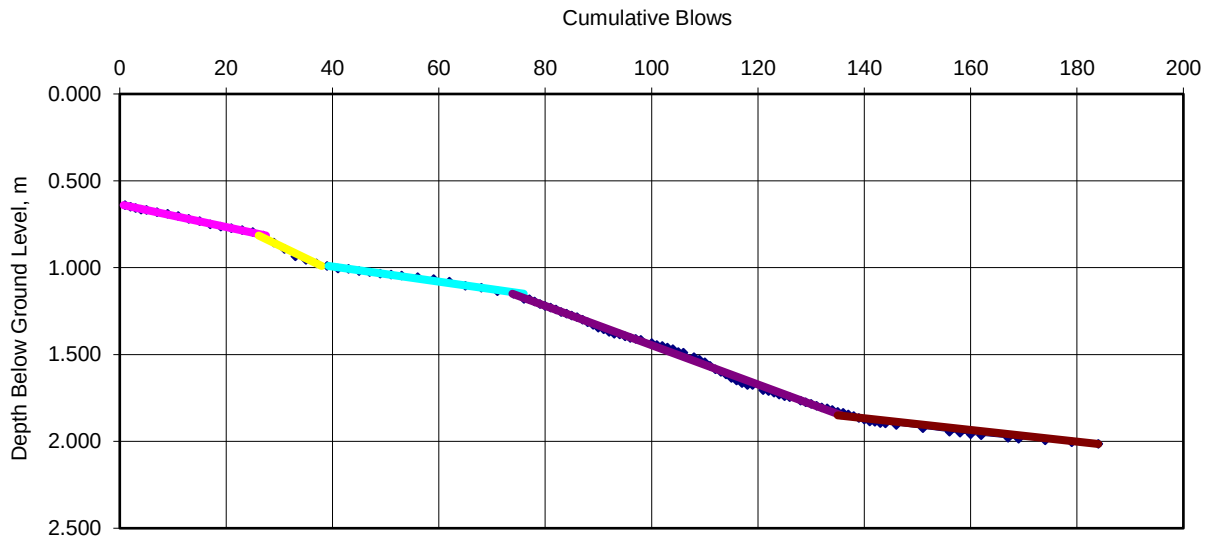
SOCOTEC

Date of Test: 30 May 2023 Test Depth: 0.60 mBGL

Method: TRL Probe

Remarks: Carried out at chalk interface within TP01.

Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows
0.640	1	1.035	49	1.355	91	1.675	119	1.945	156
0.650	2	1.040	51	1.370	92	1.705	121	1.950	158
0.656	3	1.045	53	1.380	93	1.710	122	1.960	160
0.666	4	1.055	56	1.385	94	1.720	123	1.965	162
0.667	5	1.065	59	1.395	95	1.730	124	1.980	167
0.680	7	1.080	62	1.405	96	1.740	125	1.985	169
0.690	9	1.105	65	1.410	97	1.745	126	1.995	174
0.703	11	1.115	68	1.415	98	1.765	128	2.005	179
0.720	13	1.135	71	1.435	100	1.775	129	2.015	184
0.733	15	1.150	74	1.445	101	1.785	130		
0.750	17	1.155	75	1.450	102	1.795	131		
0.763	19	1.180	76	1.460	103	1.805	132		
0.773	21	1.181	77	1.470	104	1.810	133		
0.783	23	1.195	78	1.485	105	1.820	134		
0.795	25	1.210	79	1.490	106	1.830	135		
0.815	27	1.220	80	1.515	108	1.835	136		
0.855	29	1.230	81	1.530	109	1.845	137		
0.892	31	1.240	82	1.545	110	1.855	138		
0.935	33	1.255	83	1.565	111	1.865	139		
0.955	35	1.265	84	1.585	112	1.875	140		
0.975	37	1.275	85	1.600	113	1.885	141		
0.990	39	1.285	86	1.615	114	1.887	142		
1.005	41	1.300	87	1.635	115	1.895	143		
1.006	43	1.315	88	1.650	116	1.897	144		
1.020	45	1.330	89	1.665	117	1.905	146		
1.025	47	1.345	90	1.675	118	1.925	151		



CBR Values

Top, mBGL	Base, mBGL	CBR, %[1]
0.64	0.82	41
0.82	0.99	17
0.99	1.15	63
1.15	1.85	23
1.85	2.02	82

Note 1:
CBR values calculated in accordance with DMRB CS 229 Data for pavement assessment (2020)

Project Project 3CR, Royston

Project No. E3027-23

Carried out for Johnson Matthey

Hole **DCP01**

Dynamic Cone Penetrometer Test

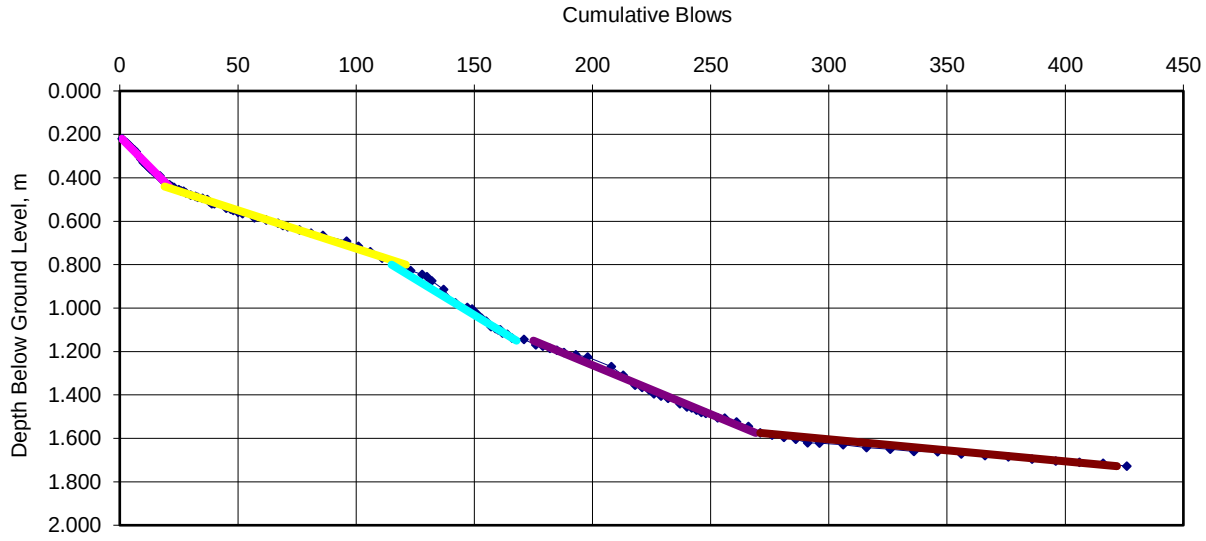
SOCOTEC

Date of Test: 30 May 2023 Test Depth: 0.20 mBGL

Method: TRL Probe

Remarks: Carried out at chalk interface within TP02.

Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows
0.220	1	0.470	28	0.790	116	1.215	193	1.630	306
0.230	2	0.480	30	0.800	118	1.225	198	1.642	316
0.240	3	0.485	32	0.827	123	1.270	208	1.650	326
0.250	4	0.490	33	0.845	128	1.310	213	1.660	336
0.260	5	0.495	35	0.855	130	1.355	218	1.662	346
0.270	6	0.500	37	0.875	132	1.365	221	1.672	356
0.280	7	0.510	38	0.915	137	1.377	224	1.680	366
0.300	8	0.520	39	0.977	142	1.395	226	1.685	376
0.315	9	0.520	40	0.997	147	1.405	229	1.695	386
0.330	10	0.540	45	1.005	149	1.415	232	1.705	396
0.340	11	0.545	47	1.025	151	1.440	237	1.710	406
0.350	12	0.550	48	1.045	153	1.455	240	1.715	416
0.360	13	0.560	50	1.060	155	1.460	242	1.728	426
0.370	14	0.565	52	1.085	157	1.470	244		
0.380	15	0.585	57	1.095	159	1.480	246		
0.390	16	0.595	62	1.100	160	1.485	248		
0.392	17	0.610	67	1.100	161	1.505	253		
0.410	18	0.620	69	1.115	162	1.507	256		
0.420	19	0.625	71	1.121	164	1.525	261		
0.430	20	0.640	76	1.138	166	1.545	266		
0.432	21	0.655	81	1.145	171	1.575	271		
0.440	22	0.665	86	1.170	176	1.585	276		
0.445	23	0.692	96	1.175	179	1.595	281		
0.455	25	0.715	101	1.185	182	1.605	286		
0.460	26	0.740	106	1.195	185	1.620	291		
0.462	27	0.770	111	1.205	188	1.622	296		



CBR Values

Top, mBGL	Base, mBGL	CBR, %[1]
0.22	0.44	23
0.44	0.80	79
0.80	1.15	36
1.15	1.58	61
1.58	1.73	330

Note 1:
CBR values calculated in accordance with DMRB CS 229 Data for pavement assessment (2020)

Project Project 3CR, Royston

Project No. E3027-23

Carried out for Johnson Matthey

Hole **DCP02**

Dynamic Cone Penetrometer Test

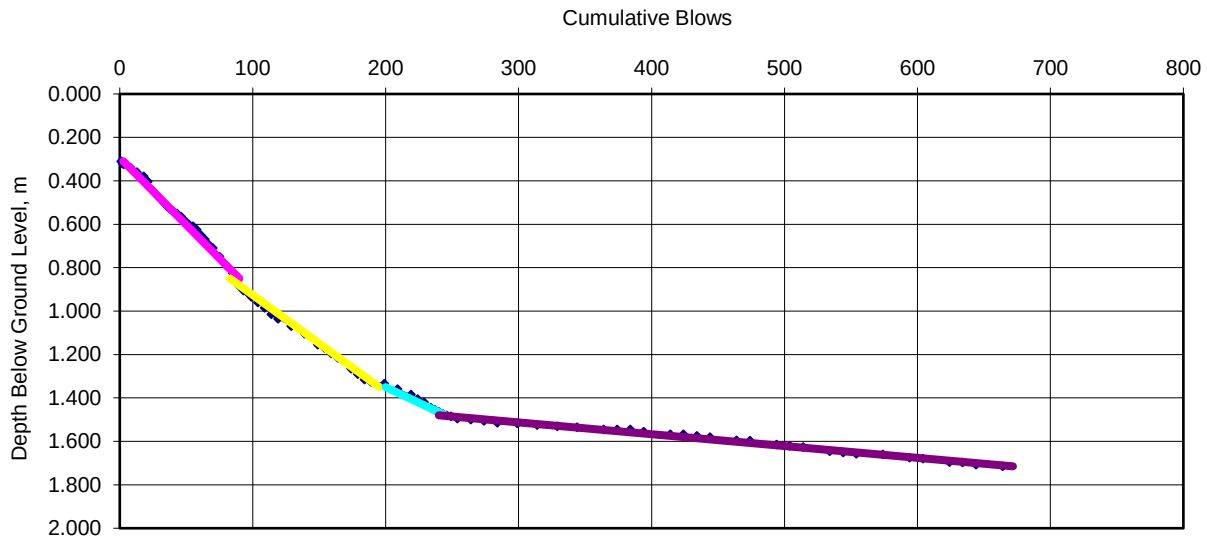
SOCOTEC

Date of Test: 30 May 2023 Test Depth: 0.30 mBGL

Method: TRL Probe

Remarks: Carried out at chalk interface within TP03.

Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows	Depth, mBGL	Cumulative Blows
0.310	1	0.825	85	1.465	240	1.652	544		
0.320	2	0.885	90	1.475	243	1.657	554		
0.324	3	0.905	93	1.480	246	1.661	574		
0.340	8	0.915	96	1.485	249	1.675	594		
0.360	13	0.935	99	1.495	254	1.680	604		
0.380	18	0.960	104	1.500	264	1.695	624		
0.403	21	0.985	109	1.505	274	1.697	634		
0.440	24	1.015	114	1.515	284	1.707	644		
0.460	27	1.035	119	1.517	299	1.715	664		
0.480	30	1.070	129	1.525	314				
0.500	33	1.105	139	1.530	329				
0.520	36	1.155	149	1.535	344				
0.530	38	1.170	154	1.545	364				
0.540	40	1.195	159	1.545	374				
0.550	43	1.215	164	1.545	384				
0.565	46	1.265	174	1.555	394				
0.585	49	1.290	179	1.567	414				
0.600	52	1.315	184	1.567	424				
0.610	55	1.325	189	1.575	434				
0.625	58	1.335	199	1.580	444				
0.650	61	1.360	209	1.595	464				
0.670	64	1.385	219	1.597	474				
0.695	67	1.405	224	1.615	494				
0.710	70	1.420	229	1.620	504				
0.750	75	1.445	234	1.627	514				
0.790	80	1.455	237	1.645	534				



CBR Values

Top, mBGL	Base, mBGL	CBR, %[1]
0.31	0.85	45
0.85	1.35	64
1.35	1.48	81
1.48	1.72	570

Note 1:
CBR values calculated in accordance with DMRB CS 229 Data for pavement assessment (2020)

Project Project 3CR, Royston

Project No. E3027-23

Carried out for Johnson Matthey

Hole **DCP03**

APPENDIX D
GEOPHYSICAL SURVEY

Factual Report on Geophysical Survey L3126-23

PROJECT 3CR

FACTUAL REPORT ON GEOPHYSICAL SURVEY

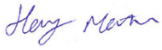
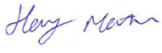
Report No L3126-23

September 2023

Revision No R2

Carried out for:

Report No L3126-23

ISSUE No DATE	STATUS	PREPARED BY	CHECKED BY	APPROVED BY
Rev0 **Aug 2023**	**Final report**	**Harry Martin** Geophysicist	**Chris Ernest** Senior Geophysicist	**Danielle Kiefer** Senior Geophysicist
				
Rev1 **Aug 2023**	**Final report**	**Harry Martin** Geophysicist	**Chris Ernest** Senior Geophysicist	**Danielle Kiefer** Senior Geophysicist
				
Rev2 **Sept 2023**	**Final report**	**Laura Nicholls** Assistant Geophysicist	**Chris Ernest** Senior Geophysicist	**Chris Ernest** Senior Geophysicist
				

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CONTENTS

1 EXECUTIVE SUMMARY

In July 2023, SOCOTEC mobilised to the Johnson Matthey site to carry out a Vertical Electrical Sounding (VES) survey. The survey was required to determine subsurface resistivities at the proposed VES survey location.

SURVEY AIMS	• Determine apparent resistivities beneath the survey location
SURVEY OBJECTIVES	• Undertake VES survey. • Process the datasets to map variations in subsurface resistivity • Produce a geophysical report highlighting findings
GEOPHYSICAL TECHNIQUES USED	• Vertical Electrical Sounding (VES)
GEOPHYSICAL INVESTIGATION FINDINGS	Apparent resistivity values of: 228.74 Ω.m, 178.00 Ω.m, 79.46 Ω.m, 51.32 Ω.m, 57.54 Ω.m for 0.5m, 1m, 3m, 5m and 7m respectively.

2 INTRODUCTION

SOCOTEC UK Limited (SOCOTEC) was commissioned in July 2023 by SOCOTEC to carry out a geophysical investigation at Johnson Matthey car park, located in Royston. The aim of the survey was to determine the apparent resistivity beneath the proposed VES location. To meet the survey objectives a Vertical Electrical Sounding (VES) survey was undertaken over the investigation area.

2.1 Site Setting

The site is centred on National Grid Reference TL 34744 41322. A map of the survey area is presented in **Figure A1, Appendix A.**

***Figure 1**: Aerial image of the site location.*

3 GEOPHYSICAL METHODS AND SPECIFICATION

3.1 Vertical Electrical Sounding (VES) Theory

VES operates on the principal of measuring changes in voltage between four evenly spaced electrodes in a linear array (Wenner array type, see ***Figure 2***) and assumes that the electrical current penetrates continuously deeper as electrode spacing increases. A DC electrical current is 'injected' into the ground via the outer two electrodes (the current electrodes i.e. C1 and C2) and the inner two electrodes (the potential electrodes i.e. P1 and P2) measure the voltage. When current is applied by conduction into the ground, any sub-surface variation in conductivity alters the current flow within the earth and this in turn affects the distribution of electric potential. The degree to which the potential at the surface is affected depends upon the size, location, shape and conductivity of the material within the ground. By measuring the change in voltage between the current and potential electrodes, the resistance can be calculated at a depth relative to the electrode spacing.

From the measured resistance and the electrode spacing, the apparent resistivity is calculated as per **section 4.1**. The survey is conducted in accordance with **ASTM G57-06**, whereby the process is repeated in a linear array perpendicular to the previous line using the same centre point. This allows for resistivities at depth to be averaged and bulk ground values to be calculated to remove a large influence of ground variations which may occur (Reynolds, 2013).

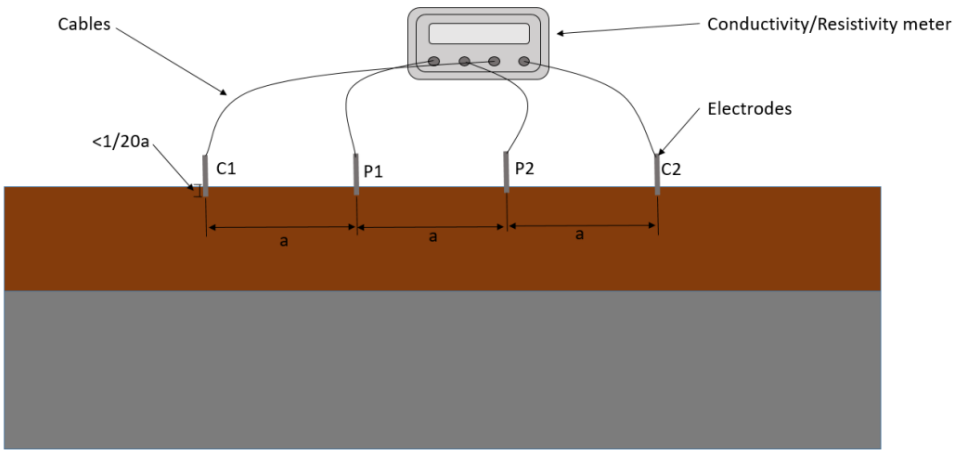

Figure 2: *Wenner array setup.*

3.2 Application to Site

It is anticipated that the apparent resistivity values will be relatively low as the current propagates through superficial deposits and will show a relative increase if any weathered material or bedrock is encountered.

4 FIELDWORK

4.1 Fieldwork Activities

On the 27th July the survey team mobilised from the Wokingham SOCOTEC offices and travelled to the Johnson Matthey site. Survey works were undertaken on the day of the 27th July, between the hours of 16:30 – 18:30. On completion of site works, the survey team demobilised from site and travelled back to the Wokingham SOCOTEC office.

The following Equipment was used to complete the scope of works.

TABLE 1 SUMMARY OF SURVEY EQUIPMENT

PORTION OF SURVEY	TYPE OF EQUIPMENT	ITEM OF EQUIPMENT
Surface Positioning	RTK GPS System	Leica GS14 RTK GPS system with SmartNet corrections.
Geophysical Survey	VES	Allied Ohmega Resistivity Meter, 4 x Electrodes, 4 x Cabling
Other		Laptop computers, Safety equipment, PPE.

Technical Information on the equipment used for the survey can be found in **Appendix C**.

4.2 Fieldwork Observations

It is noted that electrodes had to be hammered into the surface due to rocky ground conditions, this is likely to result in relatively high apparent resistivities in the near surface.

4.3 Vertical Electrical Sounding (VES) Methodology

An Allied Ohmega Resistivity Meter was utilised for this portion of the works. The system comprises the Ohmega resistivity meter, four electrodes and four cables. The Wenner array type was used with nominal electrode spacings of 0.5m, 1m, 3m, 5m, and 7m. All electrical resistivity testing was conducted in accordance with **ASTM-G57-06**, whereby the process is conducted in two perpendicular lines with a common midpoint to mitigate horizontal sampling bias. During operation, the electrodes were positioned and inserted into the ground (no more than 5% of the maximum electrode spacing) as per ***Figure 2*** and were connected via cabling to the Allied Ohmega resistivity meter. A minimum of three repeat readings or 'cycles' were taken and automatically averaged by the system for each electrode spacing. This process was then repeated to obtain a total of three averaged readings to improve reliability and repeatability. Several minutes were left in between subsequent readings to allow time for any excess electrical charge in the ground to dissipate. One VES dataset was collected, with perpendicular lines orientated N-S and E-W.

5 PROCESSING

5.1 Vertical Electrical Sounding (VES) Processing Steps

The VES data is subjected to the following processing steps.

- Conversion from mΩ to Ω.
- Removal of outliers (5-10% error margin)
- Bulk resistance value calculation via mean values of each line orientation.
- Conversion from resistivity (Ω) to apparent resistivity (Ω.m)
- Graphical and tabular data presentation

The formula for conversion from resistivity to apparent resistivity is as follows (Reynolds, 2013):

$$\rho = 2\pi aR$$

Where:

ρ = Apparent Resistivity

a = Electrode Probe Spacing

R = Measured Resistance

6 RESULTS

6.1 Vertical Electrical Sounding (VES) Results

The survey was carried out at one location, as summarised in **Table 2** below. The tabulated and graphical results are presented in **Figure A2, Appendix A**.

TABLE 2 TABULATED VES SURVEY POSITION

Location ID	Easting	Northing
VES 1	534743.883	241322.248

6.2 Quality and Accuracy

The data collected on site was deemed to be of good quality, with no data exceeding a 1% error margin and a similar range of resistivities of apparent resistivities from the perpendicular lines.

7 CONCLUSIONS AND RECOMMENDATIONS

It is recommended that geophysical investigation findings are verified with intrusive/laboratory testing.

8 SAFETY

All SOCOTEC staff members were briefed on the project requirements by the project leader. SOCOTEC staff members were inducted by the Client before any works commenced. Upon receipt of a daily toolbox talk, SOCOTEC staff members were briefed on the tasks to be undertaken on each shift.

All operations and procedures on site during the survey adhered to SOCOTEC Surveys method statement and control measures put in place as a result of carrying out a risk assessment. This can be found in SOCOTEC document number L3126-23_RA and L3126-23_MS.

9 REFERENCES

John M. Reynolds, An introduction to Applied and Environmental Geophysics, John Wiley and Sons, ISBN 0-471-96802-1

APPENDIX A

FIGURES

Site Location Plan

National Grid Reference: TL 34744 41322

Figure 1 *– Aerial image showing site overview in context with regional surroundings.*

Notes:	Project	Project 3CR	Figure
	Project No.	L3126-23	A1
	Carried out for	SOCOTEC	

Graphical and Tabulated VES Results

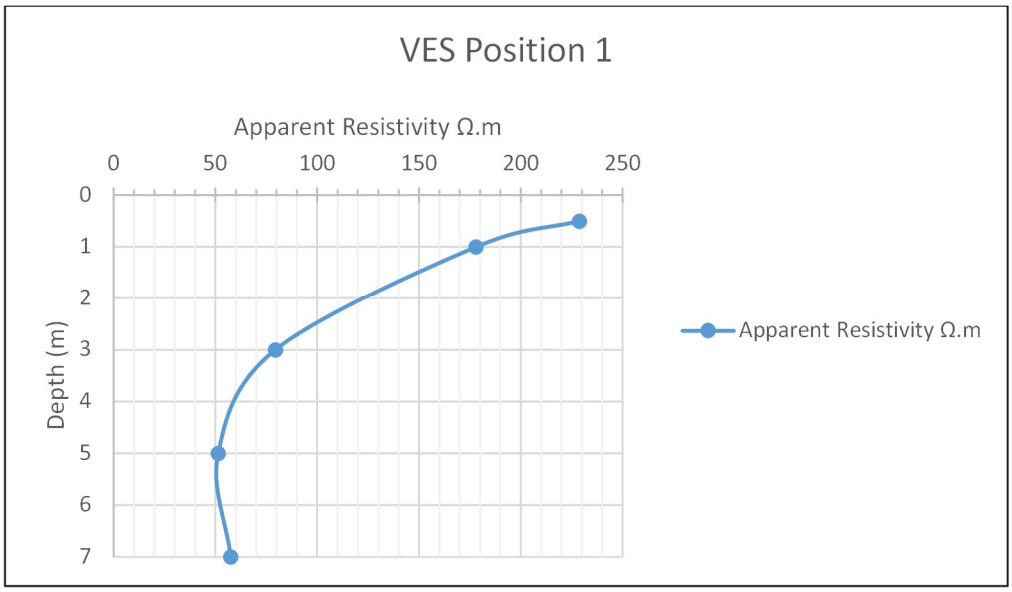

Figure 1 – Graphical representation of VES results from ERT position 1.

ERT Position 1 Results	
Electrode Spacing (m)	**Average Apparent Resistivity (Ω.m)**
7	57.54
5	51.32
3	79.46
1	178.00
0.5	228.74

Table 1 - Tabulated average apparent resistivity results from VES/ERT Position 1.

Notes:	**Project**	**Project 3CR VES**	**Figure**
	Project No.	**L3126-23**	**A2**
	Carried out for	**SOCOTEC**	

APPENDIX B
TECHNICAL SPECIFICATIONS

Allied Ohmega Resistivity Meter

Leica GS14

Technical Information

Allied Ohmega Resistivity Meter

Features:

The Ohmega Ω has a maximum power output of 36 watts with manual selection of current in steps up to 200 mA and a choice of sample time / signal length averaged and three frequency settings. The receiver incorporates automatic gain steps, which provide a range of measurements from 0.001 Ω to 360k Ω. The instrument is powered by a large capacity internal rechargeable battery providing several days of use without recharging in average terrain conditions. External power can be by way of any 12 VDC source, the most common type being a vehicle battery. The Ohmega Ω is housed in an impact-resistant Peli Case, the case benefits form a lifetime guarantee so broken handles, catches etc will be replaced should these become defective/damaged. The Ohmega Ω offers three square wave frequencies and a choice of up to 16 cycles per measurement. Self Potential can also be monitored. The system includes 4 cables on reels, electrodes and charger as standard.

Technical Specifications:

Output current:	0.5 – 200mA
Output Voltage:	360V peak to peak
Cycle time:	2.1, 4.2 & 8.4 sec
No. of cycles:	1, 2, 4, & 16
Input impedance:	22 MOhms
Measurement range:	0.001 Ohms – 360 kOhms
Power supply:	Internal rechargeable 12v battery or external 12v source
Display:	4 line alphanumeric LCD
Weight (Ohmega):	4kg
Weight (Shipping):	36kg
Dimensions:	270 x 240 x 175 mm

Technical Information

Leica GS14 GNSS Receiver

GS14 is a high specification RTK GNSS Surveying Receiver, providing high accuracy, reliability and flexibility. The system consists of the Leica GNSS AS05 Antenna and the Leica GS14 GNSS Receiver with an internal Li-ion battery charger and ruggedized casing providing environmental protection to IP67 standards.

The GS14 Receiver is built to allow many setup options and connection to a variety of devices and data download facilities. Having Windows CE™ user interface and support software, together with Bluetooth™ wireless technologies, GSM, UMTS or radio options, it does not require external configuration or communication devices. This allows direct contact via the internet to control the system and to upload/download data.

GS14 GNSS Receiver Technical Data:

Weight and dimensions	
Weight (GS25)	0.93 kg
Dimension (GS25)	190 mm x 90 mm
Environmental Specifications	
Temperature, operating	-40° C to +65° C, compliance with ISO9022-10-08, ISO9022-11-special, MIL STD 810G –502.5-II, MIL STD 810G – 501.5-II
Temperature, storage	-40° C to +80° C, compliance with ISO9022-10-08, ISO9022-11-special, MIL STD 810G –502.5-I, MIL STD 810G – 501.5-I
Humidity	100%, compliance with ISO9022-13-06, ISO9022-12-04 and MIL STD 810G – 507.5-I
Proof against: water, sand and dust	IP68 according IEC60529 and MIL STD 810G - 506.5-I, MIL STD 810G – 510.5-I and MIL STD 810F – 512.5-I Protected against blowing rain and dust Protected against temporary submersion into water (max. depth 1.4 m)
Vibration	Withstands strong vibration during operating, compliance with ISO9022-36-08 and MIL STD 810G – 514.6-Cat.24
Drops	Withstands 1.0 m drop onto hard surfaces
Functional shock	40 g / 15-23 msec, compliance with MIL STD 810G – 516.6-I
Power & Electrical	
Supply voltage	Nominal 12V DC
Range	10.5 – 28V DC
Power consumption	Typically: 2.0 W
Internal power supply	Recharge & removable LI-Ion battery, 2.6 Ah / 7.4 V
External power supply	Rechargeable external NiMh battery 9 Ah / 12 V
Certifications	Compliance to: FCC, CE, PTCRB Local and operator specific approvals (as IC Canada, C-Tick Australia, Japan, China AT&T)

Antenna Technical Data:

GNSS technology	SmartTrack
Satellite signal tracking	GPS L1, L2, GLONASS
Ground plane	Built-In Ground plane
Dimensions (diameter x height)	170 mm x 62 mm 170 mm x 62 mm
Weight	0.93 kg
Temperature operating	-40° C to +65° C
Temperature storage	-40° C to +80° C
Humidity	100%
Protection against water, sand drops & topple over	IP68 Withstands 1 m drop onto hard surfaces and survives topple over from a 2 m pole onto hard surfaces
Vibration	Withstands strong vibration during operating Compliance with ISO9022-36-08 and MIL-STD 810G – 514.6-Cat.24

Accuracy

Dependent upon number of satellites tracked, constellation geometry, observation time, ephemeris accuracy, ionospheric disturbance, multipath and resolved ambiguities.

Accuracy (rms) Code differential with DGPS/ RTCM	
DGPS / RTCM	Typically 25 cm (rms)
Accuracy (rms) with Real-Time (RTK)	
Standard of compliance	Compliance with ISO17123-8
Rapid static (phase) (Static mode after initialisation)	Horizontal: 8 mm + 1 ppm (rms) Vertical: 15 mm + 0.1 ppm (rms)
Kinematic (phase) (Moving mode after initialization)	Horizontal: 8 mm + 0.5 ppm (rms) Vertical: 15 mm + 0.5 ppm (rms)
Accuracy (rms) with Post Processing	
Static (phase) with long observations	Horizontal: 3 mm + 0.1 ppm (rms) Vertical: 3.5 mm + 0.4 ppm (rms)
Static and rapid static (phase)	Horizontal: 3 mm + 0.5 ppm (rms) Vertical: 5 mm + 0.5 ppm (rms)
Kinematic (phase)	Horizontal: 10 mm + 1 ppm (rms)

APPENDIX E
INSTRUMENTATION AND MONITORING

Monitoring Installations Summary

Instrument Reference	Instrument Type (See Notes)	Installation Date, dd/mm/yyyy	Pipe Diameter, mm	Instrument Base, mbgl	Response Zone Range, mbgl	Pipe Top Details	Headworks	Remarks
BH01 (1)	SP	31/05/2023	50	19.00	10.00 to 19.00	Gas tap		
BH02 (1)	SP	06/06/2023	50	9.00	1.20 to 9.00	Gas tap		
BH03 (1)	SP	05/06/2023	50	9.00	1.00 to 9.00	Gas tap		

Notes: Type: SP - Standpipe

Project	Project 3CR, Royston
Project No.	E3027-23
Carried out for	Johnson Matthey

Table E1

Groundwater Monitoring

Instrument Reference	Instrument Type	Instrument Base, mbgl	Date Time dd/mm/yyyy hh:mm:ss	Result (mbgl)	Result (mOD)	Comments
BH01 (1)	SP	19.00	08/06/2023 10:50:00	Dry		
BH01 (1)	SP	19.00	29/06/2023 14:39:00	Dry		
BH01 (1)	SP	19.00	20/07/2023 09:09:00	Dry		
BH01 (1)	SP	19.00	27/07/2023 09:13:00	18.90	35.30	
BH01 (1)	SP	19.00	03/08/2023 09:10:00	Dry		
BH02 (1)	SP	9.00	08/06/2023 10:30:00	Dry		
BH02 (1)	SP	9.00	29/06/2023 15:25:00	Dry		
BH02 (1)	SP	9.00	20/07/2023 08:50:00	Dry		
BH02 (1)	SP	9.00	27/07/2023 12:34:00	Dry		
BH02 (1)	SP	9.00	03/08/2023 08:50:00	Dry		
BH03 (1)	SP	9.00	08/06/2023 10:05:00	8.50	46.00	
BH03 (1)	SP	9.00	29/06/2023 15:05:00	4.58	49.92	
BH03 (1)	SP	9.00	20/07/2023 09:32:00	Dry		
BH03 (1)	SP	9.00	27/07/2023 11:52:00	4.56	49.94	
BH03 (1)	SP	9.00	03/08/2023 09:35:00	8.05	46.45	

Notes: Type: SP - Standpipe

Project Project 3CR, Royston

Project No. E3027-23

Carried out for Johnson Matthey

Table E2

Gas Monitoring Summary

SOCOTEC

Notes: Peak gas concentrations, flow rates and differential pressures represent the interpreted highest values (or lowest gas concentration value for oxygen) recorded during the monitoring period. Steady state values are taken as the end of monitoring values. Values below the limit of detection (LoD) of the monitoring equipment are recorded as the LoD value preceded by '<' (eg <0.1).	Project: Project 3CR, Royston Project No.: E3027-23 Carried out for: Johnson Matthey	Table E3

Location	Date	Air Temp, °C	Baro Press, mbar	Diff Press (pk), Pa	Diff Press (st), Pa	Gas Flow Rate (pk), l/hr	Gas Flow Rate (st), l/hr	CH4 (pk), %vol	CH4 (st), %vol	CO2 (pk), %vol	CO2 (st), %vol	O2 (min), %vol	O2 (st), %vol	H2S (pk), ppm	H2S (st), ppm	CO (pk), ppm	CO (st), ppm
BH01 (1)																	
	29 Jun 2023	20	1008	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	15.3	16.0	<1	2.5	2.6	1.0
	20 Jul 2023	14	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.4	20.4	<1	<1	<1	<1
	27 Jul 2023	18	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.5	20.5	<1	<1	<1	<1
	03 Aug 2023	22	999	<1	<1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	18.5	18.6	1.0	1.0	1.1	1.0
BH02 (1)																	
	29 Jun 2023	20	1007	<1	<1	<0.1	<0.1	<0.1	<0.1	0.4	0.4	15.8	15.8	<1	<1	<1	<1
	20 Jul 2023	14	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.0	20.0	<1	<1	<1	<1
	27 Jul 2023	18	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.2	20.2	<1	<1	<1	<1
	03 Aug 2023	22	999	<1	<1	<0.1	<0.1	<0.1	<0.1	1.9	1.7	15.1	15.1	<1	<1	<1	<1
BH03 (1)																	
	29 Jun 2023	20	1008	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	16.8	17.1	<1	<1	1.7	1.7
	20 Jul 2023	14	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.5	20.5	<1	<1	<1	<1
	27 Jul 2023	18	1009	<1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.4	20.4	<1	<1	<1	<1
	03 Aug 2023	20	999	<1	<1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	18.7	19.1	<1	<1	5.0	4.0

APPENDIX F

GEOTECHNICAL LABORATORY TEST RESULTS

Determination of Chalk Crushing Value	51076100/23/08
Determination of Saturated Moisture Content	51076100/23/01
Determination of Density by Immersion in Water	51076100/23/02
	51076100/23/03
Determination of Point Load Strength	51076100/23/04
	51076100/23/05
	51076100/23/06
Uniaxial Compressive Strength of Rock Summary of Results	51076100/23/07
Certificate of Analysis – Chemical Tests (pH and Sulphate Contents)	23070746
	23070847

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UKAS TESTING
0001

TEST REPORT

Determination of Chalk Crushing Value

Client: SOCOTEC UK Limited
Client Address: GTS Support Centre
PO Box 100
Ashby Road
Client Postcode: DE15 0XD

Site: E3027-23-Project 3CR, Royston

Report No: 51076100/23/08
Batch Number: DAM0090093

Sampled by: Client
Date Sampled: Not Given
Date Received: 13.07.23
Date Tested: 26.07.23
Type of Sample: Bulk

Test Results:

Laboratory Reference	Location	Depth (m)	Description	% Retained on 10mm BS test sieve	Moisture Content (%)	Chalk Crushing Value
45420821	BH02	0.60-1.20	Chalk	44	20.0	2.6
45420826	BH03	0.30-1.20	Chalk	33	18	2.8
45420831	BH04	0.70-1.20	Chalk	56	21	3.1
45420835	TP01	1.00-2.00	Chalk	63	23	3.3
45420836	TP03	1.00-2.00	Chalk	51	23	3.1
45421862	BH01	0.20-1.20	Chalk	42	18	2.0

Certified that the moisture content was carried out in accordance with BS 1377-2: 1990: Method 3.2
Certified that the laboratory testing was carried out in accordance with BS 1377-4: 1990: Method 6
Interpretation by steepest Line

Date: 14.08.23

Signed

[ ] D.Berrill-General Manager
[✓] H.Worltey-Senior Reporting Officer

For and on behalf of SOCOTEC UK Limited

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TEST REPORT

Determination of Saturated Moisture Content

Client: SOCOTEC UK Limited
Client Address: GTS Support Centre
PO Box 100
Ashby Road
Postcode: DE15 0XD

Report No: 51076100/23/01
Batch Number: DAM0090093

Site: E3027-23-Project 3CR, Royston

Test Results:

Date Received: 13.07.23
Tested From: 24.07.23
Type of Sample: Bulk
Description: Chalk

Date Sampled: Not Given
Sampled By: Client
Sampling Certificate: Not Received

Laboratory Reference	Location	Depth	Bulk Density [Mg/m³]	Dry Density [Mg/m³]	Moisture Content [%]	Saturated Moisture Content (%)
45420810	BH01	1.20	2.07	1.77	17	19.4
45420811	BH01	1.90	2.13	1.79	19	18.9
45420821	BH02	0.60-1.20	2.09	1.72	21	21.0
45420826	BH03	0.30-1.20	1.98	1.65	20	23.5
45420827	BH03	1.20-1.40	2.14	1.80	19	18.5
45420831	BH04	0.70-1.20	2.06	1.70	21	21.9
45420835	TP01	1.00-2.00	2.08	1.74	20	20.4
45420836	TP03	1.00-2.00	2.04	1.70	20	21.8
45421862	BH01	0.20-1.20	2.04	1.73	18	20.9

Comments:

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 3.3

Page: 1 of 1
Date: 15.08.23

Signed: _____

[ ] D.Berrill - General Manager
[✓]H.Wortley-Senior Reporting Officer

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TEST REPORT

Determination of Density by Immersion in Water

Client:	SOCOTEC UK Limited	Report No:	51076100/23/02
Client Address:	GTS Support Centre PO Box 100 Ashby Road	Batch Number:	DAM0090093
Postcode:	DE15 0XD		

Site: E3027-23-Project 3CR, Royston

Test Results:

Date Received:	13.07.23	Date Sampled:	Not Advised
Tested From:	24.07.23	Sampled By:	Client
Type of Sample:	Bulk	Sampling Certificate:	Not Received

Description: Chalk

Laboratory Reference	Location	Depth (m)	Bulk Density [Mg/m³]	Dry Density [Mg/m³]	Moisture Content [%]
45420818	BH01	14.60-14.78	2.00	1.59	25
45420819	BH01	17.04-17.16	2.00	1.59	25
45420820	BH01	19.60-19.76	1.94	1.58	23
45420822	BH02	2.85-2.94	2.10	1.78	18
45420815	BH01	9.32-9.60	1.98	1.55	28
45420824	BH02	7.40-7.66	1.98	1.50	27
45420834	BH04	9.12-9.31	1.93	1.52	27
45420812	BH01	2.69-2.75	1.99	1.64	21
45420813	BH01	4.16-4.25	2.13	1.83	17
45420816	BH01	10.91-11.15	2.00	1.61	24

Comments:

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 7.3

Page: 1 of 1
Date: 28.07.23

Signed: _____

[✓] D.Berrill-General Manager
[ ] M.Chandler-Laboratory Manager

For and on behalf of SOCOTEC UK Limited

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TEST REPORT

Determination of Density by Immersion in Water

Client:	SOCOTEC UK Limited	Report No:	51076100/23/03
Client Address:	GTS Support Centre PO Box 100 Ashby Road	Batch Number:	DAM0090093
Postcode:	DE15 0XD		

Site: E3027-23-Project 3CR, Royston

Test Results:

Date Received:	13.07.23	Date Sampled:	Not Advised
Tested From:	24.07.23	Sampled By:	Client
Type of Sample:	Bulk	Sampling Certificate:	Not Received

Description: Chalk

Laboratory Reference	Location	Depth (m)	Bulk Density [Mg/m³]	Dry Density [Mg/m³]	Moisture Content [%]
45420817	BH01	12.47-12.75	1.99	1.64	21
45420823	BH02	4.35-4.44	2.20	1.95	13
45420825	BH02	9.40-9.66	2.00	1.60	25
45420828	BH03	3.71-3.84	2.12	1.77	19
45420829	BH03	5.80-5.99	2.22	1.98	12
45420830	BH03	8.11-8.28	1.92	1.48	29
45420832	BH04	4.51-4.65	2.21	1.98	12
45420833	BH04	6.76-6.91	2.06	1.73	20
45420814	BH01	7.40-7.64	1.97	1.58	25
45421863	BH02	8.38-8.71	1.98	1.56	27

Comments:

Certified that the laboratory testing was carried out in accordance with BS 1377-2: 1990: Method 7.3

Page: 1 of 1
Date: 15.08.23

Signed: _____

[ ] D.Berrill-General Manager
[✓] H.Worltey-Senior Reporting Officer

For and on behalf of SOCOTEC UK Limited

ISRM : 1985 DETERMINATION OF POINT LOAD STRENGTH

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BH No.	Depth (m)	Sample No.	Rock Type	Test Type (D, A, B)	Sample Width (Axial & Block) W (mm)	Point Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 Is (MPa)	Correction Factor F	Point Load Index $Is_{(50)}$ (MPa)	Conversion Factor C *	Characteristic UCS * (MPa)	Sketched Mode of Failure	Load direction relative to discontinuities ⊥ ∥ // N/A	Failure Validation (V or I)	Strength Term (BS 5930:1999 Amdt.1/ BS EN ISO 14689-1:2003)
1	2.69-2.75	45420812	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	47	1.75	78	0.3	1.2	0.4	21.0	7.5			V	Weak
1	4.16-4.25	45420813	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	70	3.50	94	0.4	1.3	0.5	21.0	11.0			V	Weak
1	7.40-7.64	45420814	Chalk	I	W1 (B) 48.39 W2 (B) 77.85 W (A) 63	41	1.15	57	0.3	1.1	0.4	21.0	7.8			V	Weak
1	9.32-9.60	45420815	Chalk	D	W1 (B) 65.3 W2 (B) 99.94 W (A) N/A	100	1.70	100	0.2	1.4	0.2	21.0	4.9			V	Very weak
1	9.32-9.6	45420815	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 99	54	1.60	83	0.2	1.3	0.3	21.0	6.2			V	Weak
1	10.91-11.15	45420816	Chalk	D	W1 (B) 62.28 W2 (B) 100.07 W (A) N/A	100	2.40	100	0.2	1.4	0.3	21.0	6.9			V	Weak
1	10.91-11.15	45420816	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	67	2.35	92	0.3	1.3	0.4	21.0	7.6			V	Weak
1	12.47-12.75	45420817	Chalk	D	W1 (B) 92.04 W2 (B) 91.33 W (A) N/A	92	3.45	92	0.4	1.3	0.5	21.0	11.3			V	Weak
1	12.47-12.75	45420817	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 91	88	1.30	101	0.1	1.4	0.2	21.0	3.7			V	Very weak
					W1 (B) W2 (B) W (A)												

Test type:
D = Diametral, A = Axial, B = Block/Lump

Failure validation:
V = Valid, I = Invalid

* From ASTM D 5731- 05 "Standard Test Method for Determination of the Point Load Strength Index of Rock"

Site: E3027-23-Project 3CR, Royston

Client: SOCOTEC UK Limited

Contract No. 51076100/23/04

Date tested: 21.07.23

Checked and Approved

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ISRM : 1985 DETERMINATION OF POINT LOAD STRENGTH

0001

BH No.	Depth (m)	Sample No.	Rock Type	Test Type (D, A, B)	Sample Width (Axial & Block) W (mm)	Point Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 Is (MPa)	Correction Factor F	Point Load Index $Is_{(50)}$ (MPa)	Conversion Factor C *	Characteristic UCS * (MPa)	Sketched Mode of Failure	Load direction relative to discontinuities ⊥ ∥ // N/A	Failure Validation (V or I)	Strength Term (BS 5930:1999 Amdt.1/ BS EN ISO 14689-1:2003)
1	14.6-14.78	45420817	Chalk	D	W1 (B) 91.95 W2 (B) 91.22 W (A) N/A	92	1.50	92	0.2	1.3	0.2	21.0	4.9			V	Very weak
1	14.6-14.78	45420817	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 91	85	2.10	99	0.2	1.4	0.3	21.0	6.1			V	Weak
1	17.04-17.16	45420818	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 99	72	0.30	95	0.0	1.3	0.0	21.0	0.9			V	Extremely weak
1	19.6-19.79	45420820	Chalk	D	W1 (B) 65.13 W2 (B) 99.63 W (A) N/A	100	0.70	100	0.1	1.4	0.1	21.0	2.0			V	Very weak
2	2.85-2.94	45420822	Chalk	I	W1 (B) 50.33 W2 (B) 100.63 W (A) 75	50	2.20	69	0.5	1.2	0.5	21.0	11.1			V	Weak
2	4.35-4.44	45420823	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	87	3.95	105	0.4	1.4	0.5	21.0	10.5			V	Weak
2	7.4-7.66	45420824	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	62	1.80	89	0.2	1.3	0.3	21.0	6.2			V	Weak
2	9.4-9.66	45420825	Chalk	D	W1 (B) 61.55 W2 (B) 100.29 W (A) N/A	100	0.50	100	0.1	1.4	0.1	21.0	1.4			V	Very weak
2	9.4-9.66	45420825	Chalk	I	W1 (B) 62.25 W2 (B) 100.66 W (A) 81	78	1.95	90	0.2	1.3	0.3	21.0	6.6			V	Weak
					W1 (B) W2 (B) W (A)												

Test type:	Failure validation:
D = Diametral, A = Axial, B = Block/Lump	V = Valid, I = Invalid

* From ASTM D 5731- 05 "Standard Test Method for Determination of the Point Load Strength Index of Rock"

Site: E3027-23-Project 3CR, Royston

Client: SOCOTEC UK Limited

Contract No. 51076100/23/05

Date tested: 21.07.23

Checked and Approved

ISRM : 1985 DETERMINATION OF POINT LOAD STRENGTH

SOCOTEC UK Limited
SOCOTEC Central
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Telephone: 02475310700

UKAS TESTING
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BH No.	Depth (m)	Sample No.	Rock Type	Test Type (D, A, B)	Sample Width (Axial & Block) W (mm)	Point Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 Is (MPa)	Correction Factor F	Point Load Index $Is_{(50)}$ (MPa)	Conversion Factor C *	Characteristic UCS * (MPa)	Sketched Mode of Failure	Load direction relative to discontinuities ⊥ ∥ ⫽ N/A	Failure Validation (V or I)	Strength Term (BS 5930:1999 Amdt.1/ BS EN ISO 14689-1:2003)
3	3.71-3.84	45420828	Chalk	D	W1 (B) 57.57 W2 (B) 100.08 W (A) N/A	100	0.45	100	0.0	1.4	0.06	21.0	1.3			V	Very weak
3	3.71-3.84	45420828	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	50	2.75	80	0.4	1.2	0.53	21.0	11.2			V	Weak
3	5.8-5.99	45420829	Chalk	D	W1 (B) 83.53 W2 (B) 100.08 W (A) N/A	100	3.10	100	0.3	1.4	0.42	21.0	8.9			V	Weak
3	5.8-5.99	45420829	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	64	3.10	90	0.4	1.3	0.49	21.0	10.4			V	Weak
3	8.11-8.28	45420830	Chalk	D	W1 (B) 92.48 W2 (B) 99.57 W (A) N/A	100	1.70	100	0.2	1.4	0.23	21.0	4.9			V	Very weak
3	8.11-8.28	45420830	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	89	2.00	106	0.2	1.4	0.25	21.0	5.2			V	Weak
4	4.51-4.65	45420832	Chalk	A	W1 (B) N/A W2 (B) N/A W (A) 100	67	3.80	92	0.4	1.3	0.59	21.0	12.4			V	Weak
4	6.76-6.91	45420333	Chalk	D	W1 (B) 84.14 W2 (B) 100.66 W (A) N/A	100	2.50	100	0.3	1.4	0.34	21.0	7.2			V	Weak
4	9.12-9.31	45470834	Chalk	I	W1 (B) 45.2 W2 (B) 79.41 W (A) 62	61	1.00	70	0.2	1.2	0.24	21.0	5.0			V	Weak
2	8.38-8.71	45421863	Chalk	I	W1 (B) 49.75 W2 (B) 54.5 W (A) 52	46	0.65	55	0.2	1.0	0.2	21.0	4.7			V	Very weak

Test type:
D = Diametral, A = Axial, B = Block/Lump

Failure validation:
V = Valid, I = Invalid

* From ASTM D 5731- 05 "Standard Test Method for Determination of the Point Load Strength Index of Rock"

Site: E3027-23-Project 3CR, Royston

Client: SOCOTEC UK Limited

Contract No. 51076100/23/06

Date tested: 21.07.23

Checked and Approved

Uniaxial Compressive Strength Of Rock Summary of Results

Report No: 51076100/23/07

Hole No.	Sample				Rock Type	Specimen Dimensions [2]			Bulk Density [2]	Water Content [1]	Uniaxial Compression [3]				Remarks
	No.	Depth (m)		type		Dia.	Height	H/D			Stress Rate	Time to failure	Mode of failure	UCS	
		from	to			mm	mm		Mg/m [3]	%	MPa/s	secs		MPa	
BH01	17	7.40	7.64	C	Chalk	98.0	182.4	1.9	2.02	25	0.6	563	MS	3.19	
BH04	24	9.12	9.31	C	Chalk	100.2	167.8	1.7	1.94	31	0.7	56	F	1.10	
BH02	C21	8.38	8.71	C	Chalk	99.9	247.2	2.5	1.99	26	0.5	86	AC	1.45	

Notes :

Test Specification : International Society for Rock Mechanics, The complete ISRM suggested methods for Rock Characterization Testing and Monitoring, 2007

1 ISRM p87 test 1, water content at 105 ± 3 oC, specimen as received at the laboratory

2 ISRM p86 clause (vii), Caliper method used for determination of bulk volume and derivation of bulk density

3 ISRM p153 part 1, determination of Uniaxial Compressive Strength (UCS) of Rock Materials

above notes apply unless annotated otherwise in the remarks

Mode of failure :

S - Single shear MS - multiple shear

AC - Axial cleavage F - Fragmented

QA Ref
RLR 2
Rev 2.19
Apr 19

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SOCOTEC

Project No: E3027-23

Project Name: Project 3CR, Royston

Figure
RUCS

Printed: 15/08//2023

SOCOTEC

Environmental Chemistry

Certificate of Analysis

Client: SOCOTEC Geotechnical

Project: 23070746

Quote: BEC230630399 V2.1

Project Ref: E3027-23

Site: 3CR

Contact: Sarah Clarke

Address: SOCOTEC Central
Leofric Business Park
Progress Close
Coventry
CV3 2TF

E-Mail: Sarah.Clarke@socotec.com

Phone: 1

No. Samples Received: 1

Date Received: 07/07/2023

Analysis Date: 19/07/2023

Date Issued: 19/07/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Reported by Customer Service Lead
Martin Elliott-Palmer
01283 554137

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR
Project No: 23070746
Date Issued: 19/07/2023

Samples Analysed

Text ID	Sample Reference	Sampling Date	Sample Type	Sample Description
23070746-001	BH01-8-ES-1.00	24/05/2023 00:00:00	SOLID	Soil Sample

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR
Project No: 23070746
Date Issued: 19/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID: 001	Customer ID: BH01-8-ES-1.00	Sample Type: SOLID	Sampling Date: 24/05/2023
pH (2.5:1 extraction)	PHSOIL	1	pH units	N	9.3			
Chloride as Cl	KONECL	2	mg/kg	N	172			
Nitrate as NO3	KONENO3	2	mg/kg	N	5.2			
Sulphur as S	WSLM59	0.005	% m/m	N	0.020			
Magnesium as Mg (2:1 Extract)	ICPWSMG	0.1	mg/l	N	0.4			
Water Soluble Sulphate as SO4 2:1 Ext	ICPWSS	10	mg/l	N	113			
Acid Soluble Sulphate as SO4	ICPACIDS	20	mg/kg	N	893			
Total Moisture at 35°C	CLANDPREP	0.1	%	N	17.0			
Description of Solid Material	CLANDPREP		-	N	CHALK			

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR
Project No: 23070746
Date Issued: 19/07/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BH01-8-ES-1.00	23070746-001	**CLANDPREP**						✓
BH01-8-ES-1.00	23070746-001	**ICPWSS**						✓
BH01-8-ES-1.00	23070746-001	**PHSOIL**						✓

Analysis Method

Method Code	Method Description	Analysis Method
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	CLand Prep Dry Weight Content @ 35°C	As Received
ICPACIDS	Sulphate as SO4 (Acid Soluble)	Air Dried & Ground
ICPWSMG	Magnesium (Water Soluble) (2:1)	Air Dried & Ground
ICPWSS	Sulphate as SO4 (Water Soluble 2:1 Extract)	Air Dried & Ground
KONECL	Chloride (2:1) by Colorimetry	Air Dried & Ground
KONENO3	Nitrate as NO3 (2:1) by Colorimetry	Air Dried & Ground
PHSOIL	pH (2.5:1)	As Received
WSLM59	Total Sulphur	Air Dried & Ground

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.

Client:	SOCOTEC Geotechnical
Project Name:	E3027-23-3CR
Project No:	23070746
Date Issued:	19/07/2023

F Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.

G The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

HWOL Acronym Key

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR
Project No: 23070746
Date Issued: 19/07/2023

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 105° C.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° C.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

IS = Insufficient Sample to complete analysis
NA = Sample is not amenable for the required analysis
ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis

SOCOTEC

Environmental Chemistry

Certificate of Analysis

Client: SOCOTEC Geotechnical

Project: 23070847

Quote: BEC230630399 V2.1

Project Ref: E3027-23

Site: 3CR BRE

Contact: Mauro Alvera

Address: SOCOTEC Central
Leofric Business Park
Progress Close
Coventry
CV3 2TF

E-Mail: mauro.alvera@socotec.com

Phone: 07485358779

No. Samples Received: 11

Date Received: 08/07/2023

Analysis Date: 19/07/2023

Date Issued: 19/07/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Reported by Customer Service Lead
Martin Elliott-Palmer
01283 554137

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

Samples Analysed

Text ID	Sample Reference	Sampling Date	Sample Type	Sample Description
23070847-001	TP01-4-B-0.10-0.60	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-002	TP03-6-B-0.30-1.00	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-003	BH01-6-B-0.20-1.20	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-004	BH02-6-B-0.30-0.60	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-005	BH02-8-D-1.00	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-006	BH03-6-B-0.30-1.00	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-007	BH03-8-D-1.00	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-008	BH04-5-B-0.20-0.50	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-009	BH04-8-B-0.50-0.70	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-010	TP02-8-B-1.00-1.90	30/05/2023 00:00:00	SOLID	Soil Sample
23070847-011	BH01-10-D-1.00-1.90	30/05/2023 00:00:00	SOLID	Soil Sample

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

1252

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	001	002	003	004	005	006	007
Sample ID					001	002	003	004	005	006	007
Customer ID					TP01-4-B-0.10-0.60	TP03-6-B-0.30-1.00	BH01-6-B-0.20-1.20	BH02-6-B-0.30-0.60	BH02-8-D-1.00	BH03-6-B-0.30-1.00	BH03-8-D-1.00
Sample Type					SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID
Sampling Date					30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
pH (2.5:1 extraction)	PHSOIL	1	pH units	U	10.2	9.5*	9.4*	9.1	9.5*	9.5*	9.5*
Chloride as Cl	KONECL	2	mg/kg	N	76	21	16	14	24	26	28
Nitrate as NO3	KONENO3	2	mg/kg	N	5.2	<4.0 D	<4.0 D	26.7	32.3	5.4	5.3
Sulphur as S	WSLM59	0.005	% m/m	N	0.057	0.012	0.013	0.021	0.013	0.016	0.016
Magnesium as Mg (2:1 Extract)	ICPWSMG	0.1	mg/l	N	<0.1	0.6	0.8	0.4	0.3	0.6	0.7
Water Soluble Sulphate as SO4 2:1 Ext	ICPWSS	10	mg/l	U	156	15*	<10*	69	22*	<10*	11*
Acid Soluble Sulphate as SO4	ICPACIDS	20	mg/kg	U	3340	362*	363*	327	321*	209*	330*
Total Moisture at 35°C	CLANDPREP	0.1	%	N	7.0	18.6	14.7	15.4	17.2	15.2	15.2
Description of Solid Material	CLANDPREP		-	N	SILT	CHALK	CHALK	SILT	CHALK	CHALK	CHALK

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

1252

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	008	009	010	011
					Customer ID	BH04-5-B-0.20-0.50	BH04-8-B-0.50-0.70	TP02-8-B-1.00-1.90	BH01-10-D-1.00-1.90
					Sample Type	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023
pH (2.5:1 extraction)	PHSOIL	1	pH units	U		8.8	9.2	9.6*	9.6*
Chloride as Cl	KONECL	2	mg/kg	N		30	51	54	28
Nitrate as NO3	KONENO3	2	mg/kg	N		41.0	30.2	<4.0 D	<4.0 D
Sulphur as S	WSLM59	0.005	% m/m	N		0.016	0.014	0.015	0.014
Magnesium as Mg (2:1 Extract)	ICPWSMG	0.1	mg/l	N		0.7	0.5	0.6	0.7
Water Soluble Sulphate as SO4 2:1 Ext	ICPWSS	10	mg/l	U		23	42	<10*	12*
Acid Soluble Sulphate as SO4	ICPACIDS	20	mg/kg	U		350	640	560*	478*
Total Moisture at 35°C	CLANDPREP	0.1	%	N		14.9	15.3	16.0	17.4
Description of Solid Material	CLANDPREP		-	N		SILT	SILT	CHALK	CHALK

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
TP01-4-B-0.10-0.60	23070847-001	**CLANDPREP**						✓
TP01-4-B-0.10-0.60	23070847-001	**ICPWSS**						✓
TP01-4-B-0.10-0.60	23070847-001	**PHSOIL**						✓
TP03-6-B-0.30-1.00	23070847-002	**CLANDPREP**						✓
TP03-6-B-0.30-1.00	23070847-002	**ICPWSS**						✓
TP03-6-B-0.30-1.00	23070847-002	**PHSOIL**						✓
BH01-6-B-0.20-1.20	23070847-003	**CLANDPREP**						✓
BH01-6-B-0.20-1.20	23070847-003	**ICPWSS**						✓
BH01-6-B-0.20-1.20	23070847-003	**PHSOIL**						✓
BH02-6-B-0.30-0.60	23070847-004	**CLANDPREP**						✓
BH02-6-B-0.30-0.60	23070847-004	**ICPWSS**						✓
BH02-6-B-0.30-0.60	23070847-004	**PHSOIL**						✓
BH02-8-D-1.00	23070847-005	**CLANDPREP**						✓
BH02-8-D-1.00	23070847-005	**ICPWSS**						✓
BH02-8-D-1.00	23070847-005	**PHSOIL**						✓
BH03-6-B-0.30-1.00	23070847-006	**CLANDPREP**						✓
BH03-6-B-0.30-1.00	23070847-006	**ICPWSS**						✓
BH03-6-B-0.30-1.00	23070847-006	**PHSOIL**						✓
BH03-8-D-1.00	23070847-007	**CLANDPREP**						✓
BH03-8-D-1.00	23070847-007	**ICPWSS**						✓
BH03-8-D-1.00	23070847-007	**PHSOIL**						✓
BH04-5-B-0.20-0.50	23070847-008	**CLANDPREP**						✓
BH04-5-B-0.20-0.50	23070847-008	**ICPWSS**						✓
BH04-5-B-0.20-0.50	23070847-008	**PHSOIL**						✓
BH04-8-B-0.50-0.70	23070847-009	**CLANDPREP**						✓
BH04-8-B-0.50-0.70	23070847-009	**ICPWSS**						✓
BH04-8-B-0.50-0.70	23070847-009	**PHSOIL**						✓
TP02-8-B-1.00-1.90	23070847-010	**CLANDPREP**						✓
TP02-8-B-1.00-1.90	23070847-010	**ICPWSS**						✓
TP02-8-B-1.00-1.90	23070847-010	**PHSOIL**						✓
BH01-10-D-1.00-1.90	23070847-011	**CLANDPREP**						✓
BH01-10-D-1.00-1.90	23070847-011	**ICPWSS**						✓
BH01-10-D-1.00-1.90	23070847-011	**PHSOIL**						✓

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

Analysis Method

Method Code	Method Description	Analysis Method
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	CLand Prep Dry Weight Content @ 35°C	As Received
ICPACIDS	Sulphate as SO4 (Acid Soluble)	Air Dried & Ground
ICPWSMG	Magnesium (Water Soluble) (2:1)	Air Dried & Ground
ICPWSS	Sulphate as SO4 (Water Soluble 2:1 Extract)	Air Dried & Ground
KONECL	Chloride (2:1) by Colorimetry	Air Dried & Ground
KONENO3	Nitrate as NO3 (2:1) by Colorimetry	Air Dried & Ground
PHSOIL	pH (2.5:1)	As Received
WSLM59	Total Sulphur	Air Dried & Ground

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

HWOL Acronym Key

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Client: SOCOTEC Geotechnical
Project Name: E3027-23-3CR BRE
Project No: 23070847
Date Issued: 19/07/2023

Additional Information

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U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

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Summaries of analysis methods are available upon request.

End of Certificate of Analysis

APPENDIX G
GEOENVIRONMENTAL DATA

Certificate of Analysis – (Soil/WAC)	23063245
	23063242
	23063335
Waste Classification report	FYRSS-ZZUHO-98815

SOCOTEC

Environmental Chemistry

Certificate of Analysis

Client: SOCOTEC Geotechnical

Project: 23063242

Quote: BEC230630399 V1.1

Project Ref: E3027-23

Site: E3027-23

Contact: Mauro Alvera

Address: SOCOTEC Central
Leofric Business Park
Progress Close
Coventry
CV3 2TF

E-Mail: mauro.alvera@socotec.com

Phone: 07485358779

No. Samples Received: 15

Date Received: 28/06/2023

Analysis Date: 17/07/2023

Date Issued: 17/07/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

A. M. Kirby

Reported by Customer Service Co-Ordinator
Angela Kirby

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Samples Analysed

Text ID	Sample Reference	Sampling Date	Sample Type	Sample Description
23063242-001	BH03-1-ES-0.20	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-002	BH03-4-ES-0.50	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-003	BH03-8-ES-1.00	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-004	TP01-1-ES-0.10	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-005	TP01-2-ES-0.30	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-006	TP01-3-ES-0.50	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-007	TP01-5-ES-1.00	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-008	TP02-1-ES-0.10	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-009	TP02-2-ES-0.30	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-010	TP02-3-ES-0.50	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-011	TP02-6-ES-1.50	31/05/2023 00:00:00	SOLID	Soil Sample
23063242-012	TP03-1-ES-0.10	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-013	TP03-2-ES-0.30	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-014	TP03-4-ES-0.50	30/05/2023 00:00:00	SOLID	Soil Sample
23063242-015	TP03-7-ES-1.50	30/05/2023 00:00:00	SOLID	Soil Sample

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205	<0.235*	<0.235* C	<0.215		<0.217
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205	<0.235*	<0.235* C	<0.215		<0.217
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.010	<0.012*	<0.012*	<0.011		<0.011
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205	<0.235* B	<0.235* B,C	<0.215* B		<0.217* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.041	<0.048* B	<0.048* B	<0.044* B		<0.044* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205	<0.235*	<0.235* C	<0.215		<0.217
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.010	<0.012*	<0.012*	<0.011		<0.011
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205	<0.235*	<0.235* C	<0.215		<0.217
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		9.60	1.70	1.50	7.90		8.60
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.02					0.02	
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.03					<0.01	
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N	0.2					<0.1	
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N	<0.0002					<0.0002	
Chloride as Cl	KONENS	10	mg/kg^	N	30					60	
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.03					0.05	
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01					<0.01	
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01					<0.01	
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N	<0.0003					<0.0003	
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.02					0.04	

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.217	<0.246*			<0.237*	<0.238*	<0.238*
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.217	<0.246*			<0.237*	<0.238*	<0.238*
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011	<0.012*			<0.012*	<0.012*	<0.012*
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.217* B	<0.246* B			<0.237* B	<0.238* B	<0.238* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.044* B	<0.049* B			<0.048* B	<0.048* B	<0.048* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.217	<0.246*			<0.237*	<0.238*	<0.238*
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011	<0.012*			<0.012*	<0.012*	<0.012*
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.217	<0.246*			<0.237*	<0.238*	<0.238*
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		9.10	<1.20			<1.20	<1.20	<1.20
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N				<0.01				
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N				<0.01				
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N				<0.1				
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N				<0.0002				
Chloride as Cl	KONENS	10	mg/kg^	N				30				
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N				<0.01				
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N				<0.01				
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N				<0.01				
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N				<0.0003				
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N				0.02				

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.212			<0.246*	<0.246*
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.212			<0.246*	<0.246*
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011			<0.012*	<0.012*
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.212* B			<0.246* B	<0.246* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.043* B			<0.049* B	<0.049* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.212			<0.246*	<0.246*
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011			<0.012*	<0.012*
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.212			<0.246*	<0.246*
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		13.9			1.30	<1.20
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.01			
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.03			
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N			0.3			
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N			<0.0002			
Chloride as Cl	KONENS	10	mg/kg^	N			30			
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.02			
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.02			
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01			
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N			<0.0003			
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.01			

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N		<0.01					0.02	
Phenol Index	SFAPI	0.5	mg/kg^	N		<0.5					<0.5	
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N		0.06					0.04	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N		110					200	
TDS as mg/kg	PHCONDW	700	mg/kg^	N		<700					1360	
Leached Organic Carbon	WSLM13	2	mg/kg^	N		7.5					14.6	
Fluoride as F	ISEF	1	mg/kg^	N		<1					<2 D	
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N		<0.02					0.04	
Conductivity at 25°C	PHCONDW	100	µS/cm	N		<100					200	
pH	PHCONDW	1	pH units	N		9.3					10.9	
TDS as mg/l	PHCONDW	70	mg/l	N		<70					136	
ANC	ANC	0.04	mol/kg^	N			3.04					8.16
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM			9.1					9.8
Chloride as Cl	KONENS	1	mg/l	U		3					6	
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N			<0.1	<0.1	<0.1	<0.1		0.1
Phenol Index	SFAPI	0.05	mg/l	U		<0.05					<0.05	
Fluoride as F	ISEF	0.1	mg/l	U		0.1					<0.2 D	
Soil Organic Matter	WSLM59	0.04	% m/m^	U			0.97	0.96*	0.85*	2.01		1.99
Total Organic Carbon	WSLM59	0.02	% m/m^	U			0.56					1.15

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	006	007	008		009	010	011
Sample ID					006	007	008		009	010	011
Customer ID					TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
Sample Type					SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
Sampling Date					30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01				
Phenol Index	SFAPI	0.5	mg/kg^	N			<0.5				
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.02				
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N			100				
TDS as mg/kg	PHCONDW	700	mg/kg^	N			<700				
Leached Organic Carbon	WSLM13	2	mg/kg^	N			10.9				
Fluoride as F	ISEF	1	mg/kg^	N			2				
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N			<0.02				
Conductivity at 25°C	PHCONDW	100	µS/cm	N			<100				
pH	PHCONDW	1	pH units	N			9.7				
TDS as mg/l	PHCONDW	70	mg/l	N			<70				
ANC	ANC	0.04	mol/kg^	N				8.72			
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM				9.0*			
Chloride as Cl	KONENS	1	mg/l	U			3				
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N	0.1	<0.1			<0.1	<0.1	<0.1
Phenol Index	SFAPI	0.05	mg/l	U			<0.05				
Fluoride as F	ISEF	0.1	mg/l	U			0.2				
Soil Organic Matter	WSLM59	0.04	% m/m^	U	1.70	0.74*			0.83*	0.70*	0.64*
Total Organic Carbon	WSLM59	0.02	% m/m^	U				0.90*			

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01			
Phenol Index	SFAPI	0.5	mg/kg^	N			<0.5			
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.03			
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N			210			
TDS as mg/kg	PHCONDW	700	mg/kg^	N			<700			
Leached Organic Carbon	WSLM13	2	mg/kg^	N			14.4			
Fluoride as F	ISEF	1	mg/kg^	N			2			
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N			0.04			
Conductivity at 25°C	PHCONDW	100	µS/cm	N			101			
pH	PHCONDW	1	pH units	N			9.9			
TDS as mg/l	PHCONDW	70	mg/l	N			<70			
ANC	ANC	0.04	mol/kg^	N				6.16		
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM				9.1		
Chloride as Cl	KONENS	1	mg/l	U			3			
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N		<0.1			<0.1	<0.1
Phenol Index	SFAPI	0.05	mg/l	U			<0.05			
Fluoride as F	ISEF	0.1	mg/l	U			0.2			
Soil Organic Matter	WSLM59	0.04	% m/m^	U		1.83			0.64*	0.56*
Total Organic Carbon	WSLM59	0.02	% m/m^	U				1.39		

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N			1.2					2.3
Leached Organic Carbon	TOCW	0.4	mg/l	U		0.75					1.46	
Arsenic as As	ICPMSS	0.3	mg/kg^	UM			2.1	0.6*	0.8*	5.5		5.9
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM			0.2	0.3*	0.2*	<0.2		<0.2
Copper as Cu	ICPMSS	1.6	mg/kg^	UM			11.8	3.4*	4.3*	12.2		15.5
Lead as Pb	ICPMSS	0.7	mg/kg^	UM			19.2	2.5*	2.4*	6.5		7.6
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM			<0.5	<0.5*	<0.5*	<0.5		<0.5
Nickel as Ni	ICPMSS	2	mg/kg^	UM			10.0	5.4*	5.3*	7.7		8.8
Selenium as Se	ICPMSS	0.5	mg/kg^	UM			<0.5	<0.5*	<0.5*	<0.5		<0.5
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM			9.6	1.7*	1.5*	7.9		8.7
Vanadium as V	ICPMSS	0.6	mg/kg^	N			41.2	4.8	4.7	22.2		23.7
Zinc as Zn	ICPMSS	16	mg/kg^	UM			46.3	16.6*	16.8*	29.4		32.2
Potassium as K	ICPSOIL	10	mg/kg^	U			1670	513*	511*	670		755
Boron as B	ICPBOR	0.5	mg/kg^	UM			<0.5	<0.5*	<0.5*	2.5		2.9
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U		0.002					0.002	
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U		0.003					<0.001	
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002					<0.00002	
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U		0.003					0.005	
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001					0.001	

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N					1.8			
Leached Organic Carbon	TOCW	0.4	mg/l	U				1.09				
Arsenic as As	ICPMSS	0.3	mg/kg^	UM		5.9	0.4*			0.5*	0.5*	0.6*
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM		<0.2	0.3*			0.3*	0.3*	0.3*
Copper as Cu	ICPMSS	1.6	mg/kg^	UM		15.0	4.0*			1.8*	1.8*	1.7*
Lead as Pb	ICPMSS	0.7	mg/kg^	UM		7.4	1.7*			1.2*	1.2*	1.1*
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5*			<0.5*	<0.5*	<0.5*
Nickel as Ni	ICPMSS	2	mg/kg^	UM		8.1	4.8*			4.4*	4.6*	4.2*
Selenium as Se	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5*			<0.5*	<0.5*	<0.5*
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM		9.2	<1.2*			<1.2*	<1.2*	<1.2*
Vanadium as V	ICPMSS	0.6	mg/kg^	N		21.9	2.6			1.8	1.5	1.5
Zinc as Zn	ICPMSS	16	mg/kg^	UM		28.8	<16.0*			<16.0*	<16.0*	<16.0*
Potassium as K	ICPSOIL	10	mg/kg^	U		665	428*			297*	299*	277*
Boron as B	ICPBOR	0.5	mg/kg^	UM		2.7	<0.5*			<0.5*	<0.5*	<0.5*
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U				<0.00002				
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N				2.3		
Leached Organic Carbon	TOCW	0.4	mg/l	U			1.44			
Arsenic as As	ICPMSS	0.3	mg/kg^	UM		4.4			<0.3*	<0.3*
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM		0.3			0.2*	<0.2*
Copper as Cu	ICPMSS	1.6	mg/kg^	UM		16.1			3.1*	2.2*
Lead as Pb	ICPMSS	0.7	mg/kg^	UM		21.3			2.3*	1.6*
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM		<0.5			<0.5*	<0.5*
Nickel as Ni	ICPMSS	2	mg/kg^	UM		14.7			5.0*	4.2*
Selenium as Se	ICPMSS	0.5	mg/kg^	UM		0.9			<0.5*	<0.5*
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM		13.9			1.3*	<1.2*
Vanadium as V	ICPMSS	0.6	mg/kg^	N		33.6			2.9	1.5
Zinc as Zn	ICPMSS	16	mg/kg^	UM		54.4			<16.0*	<16.0*
Potassium as K	ICPSOIL	10	mg/kg^	U		1630			417*	346*
Boron as B	ICPBOR	0.5	mg/kg^	UM		0.9			<0.5*	<0.5*
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U			0.001			
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U			0.003			
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U			<0.00002			
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U			0.002			
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U			0.002			

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001		002	003	004	005	
					Customer ID	BH03-1-ES-0.20		BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Analysis	Method Code	MDL	Units	Accred.								
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001					<0.001	
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U		<0.00003					<0.00003	
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U		0.002					0.004	
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001					0.002	
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U		0.006					0.004	
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002					0.004	
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U		0.02					<0.01	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U		11					20	
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<10	<12*	<12*	<11		<11
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<10	<12*	<12*	<11		<11
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM			<21	<24*	<24*	<22		<22
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<10	<12* B	<12* B	<11* B		<11* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<10	<12*	<12*	<11		<11
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.010					<0.011
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.010					<0.011
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM			<0.021					<0.022
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.010					<0.011* B
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.010					<0.011
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM			<0.062					<0.065

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U				<0.00003				
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U				0.002				
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U				<0.001				
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U				0.002				
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U				<0.002				
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U				<0.01				
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U				10				
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11	<12*			<12*	<12*	<12*
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11	<12*			<12*	<12*	<12*
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM		<22	<25*			<24*	<24*	<24*
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11* B	<12* B			<12* B	<12* B	<12* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11	<12*			<12*	<12*	<12*
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM					<0.010*			
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM					<0.010*			
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM					<0.021*			
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM					<0.010* B			
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM					<0.010*			
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM					<0.062*			

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U			<0.001			
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U			<0.00003			
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U			0.001			
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U			<0.001			
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U			0.003			
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U			0.004			
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U			0.03			
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U			21			
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11			<12*	<12*
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11			<12*	<12*
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM		<21			<25*	<25*
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11* B			<12* B	<12* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<11			<12*	<12*
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.011		
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.011		
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM				<0.021		
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.011* B		
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.011		
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM				<0.063		

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U			<0.08	<0.09*	<0.09*	<0.09		<0.09
Anthracene	PAHMSUS	0.08	mg/kg^	U			<0.08	<0.09*	<0.09*	<0.09		<0.09
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Chrysene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Fluorene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Naphthalene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08	<0.09*	<0.09*	<0.09		<0.09
Total PAH 16	PAHMSUS	1.28	mg/kg^	U			<1.31	<1.50*	<1.50*	<1.38		<1.39
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U			<0.08					<0.09

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Anthracene	PAHMSUS	0.08	mg/kg^	U		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Chrysene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Fluorene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09* B	<0.10* B	<0.10* B
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.10*			<0.09*	<0.10*	<0.10*
Pyrene	PAHMSUS	0.08	mg/kg^	UM		0.09	<0.10*			<0.09*	<0.10*	<0.10*
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		1.40	<1.58*			<1.52*	<1.53*	<1.53*
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM					<0.08*			
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U					<0.08*			

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		<0.08			<0.10*	<0.10*
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.08			<0.10*	<0.10*
Anthracene	PAHMSUS	0.08	mg/kg^	U		<0.08			<0.10*	<0.10*
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		0.31			<0.10*	<0.10*
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		0.47			<0.10*	<0.10*
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		0.46			<0.10*	<0.10*
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		0.40			<0.10*	<0.10*
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		0.28			<0.10*	<0.10*
Chrysene	PAHMSUS	0.08	mg/kg^	UM		0.45			<0.10*	<0.10*
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		0.12			<0.10*	<0.10*
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		0.65			<0.10*	<0.10*
Fluorene	PAHMSUS	0.08	mg/kg^	UM		<0.08* B			<0.10* B	<0.10* B
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		0.43			<0.10*	<0.10*
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		<0.08			<0.10*	<0.10*
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		0.13			<0.10*	<0.10*
Pyrene	PAHMSUS	0.08	mg/kg^	UM		0.68			<0.10*	<0.10*
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		4.80			<1.58*	<1.57*
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM				<0.08		
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U				<0.08		

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U			<0.08					<0.09
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Chrysene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Coronene	PAHMSUS	0.08	mg/kg^	N			<0.08					<0.09
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Fluorene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Naphthalene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.08					<0.09
Total PAH 16	PAHMSUS	1.28	mg/kg^	U			<1.31					<1.39
Total PAH 17	PAHMSUS	1.36	mg/kg^	N			<1.40					<1.48
PCB 101	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 118	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U					<0.08*			
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM					0.20*			
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM					0.28*			
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM					0.23*			
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM					0.25*			
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM					0.16*			
Chrysene	PAHMSUS	0.08	mg/kg^	UM					0.27*			
Coronene	PAHMSUS	0.08	mg/kg^	N					<0.08			
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM					<0.08*			
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM					0.34*			
Fluorene	PAHMSUS	0.08	mg/kg^	UM					<0.08*			
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM					0.23*			
Naphthalene	PAHMSUS	0.08	mg/kg^	UM					<0.08*			
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM					<0.08*			
Pyrene	PAHMSUS	0.08	mg/kg^	UM					0.32*			
Total PAH 16	PAHMSUS	1.28	mg/kg^	U					2.86*			
Total PAH 17	PAHMSUS	1.36	mg/kg^	N					2.94			
PCB 101	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 118	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U				0.09		
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM				0.37		
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM				0.57		
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM				0.59		
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM				0.43		
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM				0.27		
Chrysene	PAHMSUS	0.08	mg/kg^	UM				0.49		
Coronene	PAHMSUS	0.08	mg/kg^	N				0.14		
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM				0.11		
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM				0.67		
Fluorene	PAHMSUS	0.08	mg/kg^	UM				<0.08* B		
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM				0.44		
Naphthalene	PAHMSUS	0.08	mg/kg^	UM				<0.08		
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM				0.16		
Pyrene	PAHMSUS	0.08	mg/kg^	UM				0.89		
Total PAH 16	PAHMSUS	1.28	mg/kg^	U				5.42		
Total PAH 17	PAHMSUS	1.36	mg/kg^	N				5.56		
PCB 101	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	<6.14*
PCB 118	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	<6.14*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
PCB 138	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 153	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 180	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 28	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 52	PCBECD	5	µg/kg^	UM			<5.13	<5.88*	<5.87*	<5.38		<5.43
PCB 101	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 118	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 138	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 153	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 180	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 28	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
PCB 52	PCBECD	0.005	mg/kg^	UM			<0.005					<0.005
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM			<0.036					<0.038
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N			<5.1 C,D	<2.9 C,D	<2.9 C,D	<10.8 C,D		<10.9 C,D
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
PCB 138	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 153	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 180	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 28	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 52	PCBECD	5	µg/kg^	UM		<5.42	<6.16*			<5.93*	<5.96*	<5.96*
PCB 101	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 118	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 138	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 153	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 180	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 28	PCBECD	0.005	mg/kg^	UM					<0.005*			
PCB 52	PCBECD	0.005	mg/kg^	UM					<0.005*			
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM					<0.036*			
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N		<10.8 C,D	<0.1			<0.1	<0.1	<0.1
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
PCB 138	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	<6.14*
PCB 153	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	6.36*
PCB 180	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	9.78*
PCB 28	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	<6.14*
PCB 52	PCBECD	5	µg/kg^	UM		<5.29			<6.16*	<6.14*
PCB 101	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 118	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 138	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 153	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 180	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 28	PCBECD	0.005	mg/kg^	UM				<0.005		
PCB 52	PCBECD	0.005	mg/kg^	UM				<0.005		
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM				<0.037		
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N		<10.6 C,D			<0.1	<0.1
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U			<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
2-Methylphenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N			<10.3 C,D	<5.9 C,D	<5.9 C,D	<21.5 C,D		<21.7 C,D
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U			<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
2-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N		<21.7 C,D	<0.2			<0.2	<0.2	<0.2
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*

Client: SOCOTEC Geotechnical
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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
2-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N		<21.2 C,D			<0.2	<0.2
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N			<30.8 C,D	<17.6 C,D	<17.6 C,D	<64.6 C,D		<65.2 C,D
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
Acenaphthene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Acenaphthylene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Anthracene	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Azobenzene	SVOCSW	0.3	mg/kg^	N			<15.4 C,D	<8.8 C,D	<8.8 C,D	<32.3 C,D		<32.6 C,D
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U			<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Benzoic Acid	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U			<25.7* B,C,D	<14.7* B,C,D	<14.7* B,C,D	<53.8* B,C,D		<54.3* B,C,D
Biphenyl	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U			<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N		<65.1 C,D	<0.7			<0.7	<0.7	<0.7
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
Acenaphthene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Acenaphthylene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Anthracene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Azobenzene	SVOCSW	0.3	mg/kg^	N		<32.5 C,D	<0.4			<0.4	<0.4	<0.4
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Benzoic Acid	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U		<54.2* B,C,D	<0.6* B			<0.6* B	<0.6* B	<0.6* B
Biphenyl	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
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Date Issued: 17/07/2023

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N		<63.5 C,D			<0.7	<0.7
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
Acenaphthene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Acenaphthylene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Anthracene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Azobenzene	SVOCSW	0.3	mg/kg^	N		<31.7 C,D			<0.4	<0.4
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Benzoic Acid	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U		<52.9* B,C,D			<0.6* B	<0.6* B
Biphenyl	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U		<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Carbazole	SVOCSW	0.3	mg/kg^	N		<15.4 C,D	<8.8 C,D	<8.8 C,D	<32.3 C,D		<32.6 C,D
Chrysene	SVOCSW	0.2	mg/kg^	U		<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Coronene	SVOCSW	0.3	mg/kg^	N		<15.4 C,D	<8.8 C,D	<8.8 C,D	<32.3 C,D		<32.6 C,D
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U		<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
Dibenzofuran	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Diethylphthalate	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U		<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Diphenyl ether	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Fluoranthene	SVOCSW	0.2	mg/kg^	U		<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Fluorene	SVOCSW	0.2	mg/kg^	U		<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N		<5.1 C,D	<2.9 C,D	<2.9 C,D	<10.8 C,D		<10.9 C,D
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N		<5.1 C,D	<2.9 C,D	<2.9 C,D	<10.8 C,D		<10.9 C,D
Hexachloroethane	SVOCSW	0.1	mg/kg^	U		<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U		<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
Isophorone	SVOCSW	0.1	mg/kg^	N		<5.1 C,D	<2.9 C,D	<2.9 C,D	<10.8 C,D		<10.9 C,D

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Carbazole	SVOCSW	0.3	mg/kg^	N		<32.5 C,D	<0.4			<0.4	<0.4	<0.4
Chrysene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Coronene	SVOCSW	0.3	mg/kg^	N		<32.5 C,D	<0.4			<0.4	<0.4	<0.4
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
Dibenzofuran	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Diethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Diphenyl ether	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Fluorene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N		<10.8 C,D	<0.1			<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N		<10.8 C,D	<0.1			<0.1	<0.1	<0.1
Hexachloroethane	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
Isophorone	SVOCSW	0.1	mg/kg^	N		<10.8 C,D	<0.1			<0.1	<0.1	<0.1

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Carbazole	SVOCSW	0.3	mg/kg^	N		<31.7 C,D			<0.4	<0.4
Chrysene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Coronene	SVOCSW	0.3	mg/kg^	N		<31.7 C,D			<0.4	<0.4
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
Dibenzofuran	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Diethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Diphenyl ether	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Fluoranthene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Fluorene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N		<10.6 C,D			<0.1	<0.1
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N		<10.6 C,D			<0.1	<0.1
Hexachloroethane	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
Isophorone	SVOCSW	0.1	mg/kg^	N		<10.6 C,D			<0.1	<0.1

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
Nitrobenzene	SVOCSW	0.5	mg/kg^	U			<25.7 C,D	<14.7* C,D	<14.7* C,D	<53.8 C,D		<54.3 C,D
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N			<46.2 C,D	<26.4 C,D	<26.4 C,D	<96.9 C,D		<97.8 C,D
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N			<5.1 C,D	<2.9 C,D	<2.9 C,D	<10.8 C,D		<10.9 C,D
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N			<25.7 C,D	<14.7 C,D	<14.7 C,D	<53.8 C,D		<54.3 C,D
Phenanthrene	SVOCSW	0.1	mg/kg^	U			<5.1* B,C,D	<2.9* B,C,D	<2.9* B,C,D	<10.8* B,C,D		<10.9* B,C,D
Phenol	SVOCSW	0.1	mg/kg^	U			<5.1 C,D	<2.9* C,D	<2.9* C,D	<10.8 C,D		<10.9 C,D
Pyrene	SVOCSW	0.2	mg/kg^	U			<10.3 C,D	<5.9* C,D	<5.9* C,D	<21.5 C,D		<21.7 C,D
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U			<4.11	4.74*	<4.69*	<4.31		<4.35
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U			4.52	6.47*	<4.69*	7.19		10.8
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U			6.92	7.12*	5.83*	14.9		20.2
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U			60.1	20.0*	27.6*	94.5		82.4
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U			98.4	49.2*	53.0*	159		154
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U			4.90	<4.70*	5.29*	<4.31		<4.35
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U			9.01	8.53*	7.73*	6.98		9.22
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U			9.86	5.79*	6.41*	7.52		11.5
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U			40.4	<11.8*	<11.7*	65.4		69.2
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U			104	33.0*	44.4*	117		139
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U			93.8					148

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
Nitrobenzene	SVOCSW	0.5	mg/kg^	U		<54.2 C,D	<0.6*			<0.6*	<0.6*	<0.6*
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N		<97.6 C,D	<1.1			<1.1	<1.1	<1.1
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N		<10.8 C,D	<0.1			<0.1	<0.1	<0.1
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N		<54.2 C,D	<0.6			<0.6	<0.6	<0.6
Phenanthrene	SVOCSW	0.1	mg/kg^	U		<10.8* B,C,D	<0.1* B			<0.1* B	<0.1* B	<0.1* B
Phenol	SVOCSW	0.1	mg/kg^	U		<10.8 C,D	<0.1*			<0.1*	<0.1*	<0.1*
Pyrene	SVOCSW	0.2	mg/kg^	U		<21.7 C,D	<0.2*			<0.2*	<0.2*	<0.2*
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.34	5.78*			<4.74*	<4.77*	<4.77*
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		4.91	7.71*			<4.74*	<4.77*	<4.77*
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		11.5	10.2*			<4.74*	<4.77*	<4.77*
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U		149	26.5*			<11.9*	<11.9*	<11.9*
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		227	67.5*			<23.7*	<23.8*	<23.8*
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		5.38	5.85*			<4.74*	<4.77*	<4.77*
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		10.9	8.79*			<4.74*	<4.77*	<4.77*
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		13.0	7.84*			<4.74*	<4.77*	<4.77*
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U		167	<12.3*			20.2*	12.0*	<11.9*
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U		271	43.8*			53.7*	30.0*	<23.8*
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U					81.9*			

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
Nitrobenzene	SVOCSW	0.5	mg/kg^	U		<52.9 C,D			<0.6*	<0.6*
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N		<95.2 C,D			<1.1	<1.1
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N		<10.6 C,D			<0.1	<0.1
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N		<52.9 C,D			<0.6	<0.6
Phenanthrene	SVOCSW	0.1	mg/kg^	U		<10.6* B,C,D			<0.1* B	<0.1* B
Phenol	SVOCSW	0.1	mg/kg^	U		<10.6 C,D			<0.1*	<0.1*
Pyrene	SVOCSW	0.2	mg/kg^	U		<21.2 C,D			<0.2*	<0.2*
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.23			<4.93*	<4.91*
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		8.75			<4.93*	<4.91*
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		39.0			<4.93*	<4.91*
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U		116			<12.3*	<12.3*
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		197			<24.6*	<24.6*
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		<4.23			<4.93*	<4.91*
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		<4.23			<4.93*	<4.91*
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		19.6			<4.93*	<4.91*
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U		142			<12.3*	<12.3*
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U		213			<24.6*	<24.6*
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U				100		

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		98.4					154
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N		<1	<1	<1	<1		<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U		<1	<1*	<1*	<1		<1
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM		<3	<3*	<4*	<3		<3
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N		<3	<3	<4	<3		<3
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U		<1	<1*	<1*	<1		<1
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U					86.6*			
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N	<1	<1				<1	<1	<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U	<1	<1*				<1*	<1*	<1*
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM	<3	<4*				<3*	<4*	<4*
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N	<3	<4				<3	<4	<4
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U	<1	<1*				<1*	<1*	<1*
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1	<1*				<1*	<1*	<1*

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U				100		
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N	<1				<1	<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U	<1				<1*	<1*
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM	<3				<4*	<4*
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N	<3				<4	<4
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U	<1				<1*	<1*
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1				<1*	<1*

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<2	<2*	<3*	<2		<2
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Benzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Bromoform	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Chloroethane	VOCHSAS	2	µg/kg^	UM		<2	<2*	<3*	<2		<2
Chloroform	VOCHSAS	1	µg/kg^	UM		<1	<1*	2*	<1		1
Chloromethane	VOCHSAS	3	µg/kg^	U		<3	<3*	<4*	<3		<3
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<5	<6*	<6*	<5		<5
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1		<1

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<2	<3*			<2*	<3*	<3*
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Benzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Bromoform	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Chloroethane	VOCHSAS	2	µg/kg^	UM		<2	<3*			<2*	<3*	<3*
Chloroform	VOCHSAS	1	µg/kg^	UM		1	<1*			<1*	<1*	<1*
Chloromethane	VOCHSAS	3	µg/kg^	U		<3	<4*			<3*	<4*	<4*
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<6	<6*			<6*	<7*	<6*
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<2			<2*	<3*
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Benzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Bromoform	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Chloroethane	VOCHSAS	2	µg/kg^	UM		<2			<2*	<3*
Chloroform	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Chloromethane	VOCHSAS	3	µg/kg^	U		<3			<4*	<4*
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<5			<6*	<7*
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

UKAS TESTING 1252

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Dibromomethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N			<1	<1	<1	<1		<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM			<2	<2*	<3*	<2		<2
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N			<2	<2	<3	<2		<2
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
m and p-Xylene	VOCHSAS	4	µg/kg^	UM			<4	<5*	<5*	<4		<4
MTBE	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Naphthalene	VOCHSAS	5	µg/kg^	UM			<5	<6*	<6*	<5		<5
n-Butylbenzene	VOCHSAS	1	µg/kg^	U			<1	<1*	<1*	<1		<1
o-Xylene	VOCHSAS	2	µg/kg^	UM			<2	<2*	<3*	<2		<2
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Propylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Styrene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM			<3	<3*	<4*	<3		<3
Toluene	VOCHSAS	5	µg/kg^	UM			<5	<6*	<6*	<5		<5
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Dibromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N		<1	<1			<1	<1	<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM		<2	<3*			<2*	<3*	<3*
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N		<2	<3			<2	<3	<3
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
m and p-Xylene	VOCHSAS	4	µg/kg^	UM		<4	<5*			<5*	<5*	<5*
MTBE	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Naphthalene	VOCHSAS	5	µg/kg^	UM		<6	<6*			<6*	<7*	<6*
n-Butylbenzene	VOCHSAS	1	µg/kg^	U		<1	<1*			<1*	<1*	<1*
o-Xylene	VOCHSAS	2	µg/kg^	UM		<2	<3*			<2*	<3*	<3*
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Styrene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM		<3	<4*			<3*	<4*	<4*
Toluene	VOCHSAS	5	µg/kg^	UM		<6	<6*			<6*	<7*	<6*
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Dibromomethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N		<1			<1	<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM		<2			<2*	<3*
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N		<2			<2	<3
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
m and p-Xylene	VOCHSAS	4	µg/kg^	UM		<4			<5*	<5*
MTBE	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Naphthalene	VOCHSAS	5	µg/kg^	UM		<5			<6*	<7*
n-Butylbenzene	VOCHSAS	1	µg/kg^	U		<1			<1*	<1*
o-Xylene	VOCHSAS	2	µg/kg^	UM		<2			<2*	<3*
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Styrene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM		<3			<4*	<4*
Toluene	VOCHSAS	5	µg/kg^	UM		<5			<6*	<7*
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005	
					Customer ID	BH03-1-ES-0.20	BH03-4-ES-0.50	BH03-8-ES-1.00	TP01-1-ES-0.10	TP01-2-ES-0.30	
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	31/05/2023	31/05/2023	31/05/2023	31/05/2023	30/05/2023	30/05/2023	30/05/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U			<1	<1*	<1*	<1		<1
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1		<1
Total Moisture at 35°C	CLANDPREP	0.1	%	N			2.6	14.9	14.8	7.1		8.0
Description of Solid Material	CLANDPREP		-	N			SILT	CHALK	CHALK	SILT		SILT
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N			0.090					0.090
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N			56.0					70.5
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N			0					0
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N			0.898					0.894
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N			0.092					0.096
WAC Report	WAC		-	N			See Attached					See Attached
Asbestos Identification	SUB020		-	N			NAIIS	NAIIS	NAIIS	NAIIS		NAIIS

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008		009	010	011
					Customer ID	TP01-3-ES-0.50	TP01-5-ES-1.00	TP02-1-ES-0.10		TP02-2-ES-0.30	TP02-3-ES-0.50	TP02-6-ES-1.50
					Sample Type	SOLID	SOLID	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023	31/05/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U		<1	<1*			<1*	<1*	<1*
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM		<1	<1*			<1*	<1*	<1*
Total Moisture at 35°C	CLANDPREP	0.1	%	N		7.8	18.8		3.1	15.7	16.1	16.1
Description of Solid Material	CLANDPREP		-	N		SILT	CHALK		GRAVEL	CHALK	CHALK	CHALK
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N					0.090			
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N					81.8			
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N					0			
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N					0.897			
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N					0.093			
WAC Report	WAC		-	N					See Attached			
Asbestos Identification	SUB020		-	N		NAIIS	NAIIS			NAIIS	NAIIS	NAIIS

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	012	013		014	015
					Customer ID	TP03-1-ES-0.10	TP03-2-ES-0.30		TP03-4-ES-0.50	TP03-7-ES-1.50
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID
					Sampling Date	30/05/2023	30/05/2023	30/05/2023	30/05/2023	30/05/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U		<1			<1*	<1*
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM		<1			<1*	<1*
Total Moisture at 35°C	CLANDPREP	0.1	%	N		5.5		5.4	18.8	18.6
Description of Solid Material	CLANDPREP		-	N		SILT		SILT	CHALK	CHALK
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N				0.090		
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N				66.4		
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N				0		
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N				0.896		
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N				0.094		
WAC Report	WAC		-	N				See Attached		
Asbestos Identification	SUB020		-	N		NAIIS			NAIIS	NAIIS

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CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: SOCOTEC UK Ltd
Environmental Chemistry
PO Box 100
Burton upon Trent
Staffordshire
DE15 0XD

CONTRACT NO: S34268-5

DATE OF ISSUE: 07.07.23

DATE SAMPLES RECEIVED: 30.06.23

DATE ANALYSIS COMPLETED: 07.07.23

DESCRIPTION: Thirteen soil/loose aggregate samples each weighing approximately 1.1-1.5kg.

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

METHODS:

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

RESULTS:

Initial Screening

No asbestos was detected in any of the soil samples by stereo-binocular and polarised light microscopy.

A summary of the results is given in Table 1.

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IOM CONSULTING LIMITED, registered in Scotland No. SC205670

UKAS TESTING
0374

CONTRACT NO: S34268-5
DATE OF ISSUE: 07.07.23

RESULTS: (cont.)

Table 1: Qualitative Results

SOCOTEC Job I.D: 23063242

IOM sample number	SOCOTEC Sample ID	Client Sample ID	ACM type detected	PLM result
S34268-19	23063242-001	BH03-1-ES-0.20	-	No Asbestos Detected
S34268-20	23063242-002	BH03-4-ES-0.50	-	No Asbestos Detected
S34268-21	23063242-003	BH03-8-ES-1.00	-	No Asbestos Detected
S34268-22	23063242-004	TP01-1-ES-0.10	-	No Asbestos Detected
S34268-23	23063242-005	TP01-2-ES-0.30	-	No Asbestos Detected
S34268-24	23063242-006	TP01-3-ES-0.50	-	No Asbestos Detected
S34268-25	23063242-007	TP01-5-ES-1.00	-	No Asbestos Detected
S34268-26	23063242-009	TP02-2-ES-0.30	-	No Asbestos Detected
S34268-27	23063242-010	TP02-3-ES-0.50	-	No Asbestos Detected
S34268-28	23063242-011	TP02-6-ES-1.50	-	No Asbestos Detected
S34268-29	23063242-012	TP03-1-ES-0.10	-	No Asbestos Detected
S34268-30	23063242-014	TP03-4-ES-0.50	-	No Asbestos Detected
S34268-31	23063242-015	TP03-7-ES-1.50	-	No Asbestos Detected

Our detection limit for this method is 0.001%.

COMMENTS:

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....
D Third
Laboratory Analyst

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063242	
Sample No	Sample Description	Issue Date
23063242-001	BH03-1-ES-0.20	17/07/2023

Leaching Data	
Weight of Sample (kg)	0.092
Moisture content @ 105°C (% Wet Weight)	1.9
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.898
Fraction of sample above 4mm %	56.0
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	0.56	3	5	6
N	LOI450	Loss on Ignition (%)	1.2			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.062	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.036	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	93.8	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<1.40	100		
UM	PHSOIL	pH (pH Units)	9.1		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	3.04		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	9.3				
N	WSLM2**	Conductivity (µS/cm)	<100				
U	ICPMSW	Arsenic	0.003	0.03	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.003	0.03	0.5	10	70
U	ICPMSW	Copper	<0.001	<0.01	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.002	0.02	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.002	0.02	0.06	0.7	5
U	ICPMSW	Selenium	0.006	0.06	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	3	30	800	15000	25000
U	ISEF	Fluoride	0.1	<1	10	150	500
U	ICPWATVAR	Sulphate as SO4	11	110	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	0.75	7.5	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063242	
Sample No	Sample Description	Issue Date
23063242-005	TP01-2-ES-0.30	17/07/2023

Leaching Data	
Weight of Sample (kg)	0.096
Moisture content @ 105°C (% Wet Weight)	6.0
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.894
Fraction of sample above 4mm %	70.5
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.15	3	5	6
N	LOI450	Loss on Ignition (%)	2.3			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.065	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.038	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	148	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<1.48	100		
UM	PHSOIL	pH (pH Units)	9.8		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	8.16		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	10.9				
N	WSLM2**	Conductivity (µS/cm)	200				
U	ICPMSW	Arsenic	<0.001	<0.01	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.005	0.05	0.5	10	70
U	ICPMSW	Copper	0.001	<0.01	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.004	0.04	0.5	10	30
U	ICPMSW	Nickel	0.002	0.02	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.002	0.02	0.06	0.7	5
U	ICPMSW	Selenium	0.004	0.04	0.1	0.5	7
U	ICPMSW	Zinc	0.004	0.04	4	50	200
U	KONENS	Chloride	6	60	800	15000	25000
U	ISEF	Fluoride	<0.2	<2	10	150	500
U	ICPWATVAR	Sulphate as SO4	20	200	1000	20000	50000
N	WSLM27	Total Dissolved Solids	136	1360	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	1.46	14.6	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063242	
Sample No	Sample Description	Issue Date
23063242-008	TP02-1-ES-0.10	17/07/2023

Leaching Data	
Weight of Sample (kg)	0.093
Moisture content @ 105°C (% Wet Weight)	3.3
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.897
Fraction of sample above 4mm %	81.8
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
N	WSLM59	Total Organic Carbon (% M/M)	0.90	3	5	6
N	LOI450	Loss on Ignition (%)	1.8			10
N	BTEXHSA	Sum of BTEX (mg/kg)	<0.062	6		
N	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.036	1		
N	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	81.9	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	2.94	100		
N	PHSOIL	pH (pH Units)	9.0		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	8.72		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	9.7				
N	WSLM2**	Conductivity (µS/cm)	<100				
U	ICPMSW	Arsenic	<0.001	<0.01	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	<0.001	<0.01	0.5	10	70
U	ICPMSW	Copper	<0.001	<0.01	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.002	0.02	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	<0.001	<0.01	0.06	0.7	5
U	ICPMSW	Selenium	0.002	0.02	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	3	30	800	15000	25000
U	ISEF	Fluoride	0.2	2	10	150	500
U	ICPWATVAR	Sulphate as SO4	10	100	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	1.09	10.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063242	
Sample No	Sample Description	Issue Date
23063242-013	TP03-2-ES-0.30	17/07/2023

Leaching Data	
Weight of Sample (kg)	0.094
Moisture content @ 105°C (% Wet Weight)	4.7
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.896
Fraction of sample above 4mm %	66.4
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.39	3	5	6
N	LOI450	Loss on Ignition (%)	2.3			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.063	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.037	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	100	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	5.56	100		
UM	PHSOIL	pH (pH Units)	9.1		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	6.16		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	9.9				
N	WSLM2**	Conductivity (µS/cm)	101				
U	ICPMSW	Arsenic	0.003	0.03	0.5	2	25
U	ICPWATVAR	Barium	0.03	0.3	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.002	0.02	0.5	10	70
U	ICPMSW	Copper	0.002	0.02	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.001	0.01	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.001	0.01	0.06	0.7	5
U	ICPMSW	Selenium	0.003	0.03	0.1	0.5	7
U	ICPMSW	Zinc	0.004	0.04	4	50	200
U	KONENS	Chloride	3	30	800	15000	25000
U	ISEF	Fluoride	0.2	2	10	150	500
U	ICPWATVAR	Sulphate as SO4	21	210	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	1.44	14.4	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BH03-1-ES-0.20	23063242-001	BTEXHSA						✓
BH03-1-ES-0.20	23063242-001	CLANDPREP						✓
BH03-1-ES-0.20	23063242-001	GROHSA/BTEXHSA						✓
BH03-1-ES-0.20	23063242-001	ICPBOR						✓
BH03-1-ES-0.20	23063242-001	KONENS						✓
BH03-1-ES-0.20	23063242-001	KONENS						✓
BH03-1-ES-0.20	23063242-001	PAHMSUS						✓
BH03-1-ES-0.20	23063242-001	PCBECD						✓
BH03-1-ES-0.20	23063242-001	PHSOIL						✓
BH03-1-ES-0.20	23063242-001	SFAPI						✓
BH03-1-ES-0.20	23063242-001	SFAPI						✓
BH03-1-ES-0.20	23063242-001	SVOCSW						✓
BH03-1-ES-0.20	23063242-001	TOCW						✓
BH03-1-ES-0.20	23063242-001	TPHFIDUS (Aliphatic)						✓
BH03-1-ES-0.20	23063242-001	TPHFIDUS (Aromatic)						✓
BH03-1-ES-0.20	23063242-001	VOCHSAS						✓
BH03-1-ES-0.20	23063242-001	WSLM13						✓
BH03-1-ES-0.20	23063242-001	WSLM59						✓
BH03-1-ES-0.20	23063242-001	WSLM59						✓
BH03-4-ES-0.50	23063242-002	BTEXHSA						✓
BH03-4-ES-0.50	23063242-002	CLANDPREP						✓
BH03-4-ES-0.50	23063242-002	GROHSA/BTEXHSA						✓
BH03-4-ES-0.50	23063242-002	ICPBOR						✓
BH03-4-ES-0.50	23063242-002	PAHMSUS						✓
BH03-4-ES-0.50	23063242-002	PCBECD						✓
BH03-4-ES-0.50	23063242-002	SVOCSW						✓
BH03-4-ES-0.50	23063242-002	TPHFIDUS (Aliphatic)						✓
BH03-4-ES-0.50	23063242-002	TPHFIDUS (Aromatic)						✓
BH03-4-ES-0.50	23063242-002	VOCHSAS						✓
BH03-4-ES-0.50	23063242-002	WSLM59						✓
BH03-8-ES-1.00	23063242-003	BTEXHSA						✓
BH03-8-ES-1.00	23063242-003	CLANDPREP						✓
BH03-8-ES-1.00	23063242-003	GROHSA/BTEXHSA						✓

BH03-8-ES-1.00	23063242-003	ICPBOR						✓
BH03-8-ES-1.00	23063242-003	PAHMSUS						✓
BH03-8-ES-1.00	23063242-003	PCBECD						✓
BH03-8-ES-1.00	23063242-003	SVOCSW						✓
BH03-8-ES-1.00	23063242-003	TPHFIDUS (Aliphatic)						✓
BH03-8-ES-1.00	23063242-003	TPHFIDUS (Aromatic)						✓
BH03-8-ES-1.00	23063242-003	VOCHSAS						✓
BH03-8-ES-1.00	23063242-003	WSLM59						✓
TP01-1-ES-0.10	23063242-004	BTEXHSA						✓
TP01-1-ES-0.10	23063242-004	CLANDPREP						✓
TP01-1-ES-0.10	23063242-004	GROHSA/BTEXHSA						✓
TP01-1-ES-0.10	23063242-004	ICPBOR						✓
TP01-1-ES-0.10	23063242-004	PAHMSUS						✓
TP01-1-ES-0.10	23063242-004	PCBECD						✓
TP01-1-ES-0.10	23063242-004	SVOCSW						✓
TP01-1-ES-0.10	23063242-004	TPHFIDUS (Aliphatic)						✓
TP01-1-ES-0.10	23063242-004	TPHFIDUS (Aromatic)						✓
TP01-1-ES-0.10	23063242-004	VOCHSAS						✓
TP01-1-ES-0.10	23063242-004	WSLM59						✓
TP01-2-ES-0.30	23063242-005	BTEXHSA						✓
TP01-2-ES-0.30	23063242-005	CLANDPREP						✓
TP01-2-ES-0.30	23063242-005	GROHSA/BTEXHSA						✓
TP01-2-ES-0.30	23063242-005	ICPBOR						✓
TP01-2-ES-0.30	23063242-005	KONENS						✓
TP01-2-ES-0.30	23063242-005	KONENS						✓
TP01-2-ES-0.30	23063242-005	PAHMSUS						✓
TP01-2-ES-0.30	23063242-005	PCBECD						✓
TP01-2-ES-0.30	23063242-005	PHSOIL						✓
TP01-2-ES-0.30	23063242-005	SFAPI						✓
TP01-2-ES-0.30	23063242-005	SFAPI						✓
TP01-2-ES-0.30	23063242-005	SVOCSW						✓
TP01-2-ES-0.30	23063242-005	TOCW						✓
TP01-2-ES-0.30	23063242-005	TPHFIDUS (Aliphatic)						✓
TP01-2-ES-0.30	23063242-005	TPHFIDUS (Aromatic)						✓
TP01-2-ES-0.30	23063242-005	VOCHSAS						✓
TP01-2-ES-0.30	23063242-005	WSLM13						✓
TP01-2-ES-0.30	23063242-005	WSLM59						✓
TP01-2-ES-0.30	23063242-005	WSLM59						✓
TP01-3-ES-0.50	23063242-006	BTEXHSA						✓
TP01-3-ES-0.50	23063242-006	CLANDPREP						✓
TP01-3-ES-0.50	23063242-006	GROHSA/BTEXHSA						✓

TP01-3-ES-0.50	23063242-006	ICPBOR						✓
TP01-3-ES-0.50	23063242-006	PAHMSUS						✓
TP01-3-ES-0.50	23063242-006	PCBECD						✓
TP01-3-ES-0.50	23063242-006	SVOCSW						✓
TP01-3-ES-0.50	23063242-006	TPHFIDUS (Aliphatic)						✓
TP01-3-ES-0.50	23063242-006	TPHFIDUS (Aromatic)						✓
TP01-3-ES-0.50	23063242-006	VOCHSAS						✓
TP01-3-ES-0.50	23063242-006	WSLM59						✓
TP01-5-ES-1.00	23063242-007	BTEXHSA						✓
TP01-5-ES-1.00	23063242-007	CLANDPREP						✓
TP01-5-ES-1.00	23063242-007	GROHSA/BTEXHSA						✓
TP01-5-ES-1.00	23063242-007	ICPBOR						✓
TP01-5-ES-1.00	23063242-007	PAHMSUS						✓
TP01-5-ES-1.00	23063242-007	PCBECD						✓
TP01-5-ES-1.00	23063242-007	SVOCSW						✓
TP01-5-ES-1.00	23063242-007	TPHFIDUS (Aliphatic)						✓
TP01-5-ES-1.00	23063242-007	TPHFIDUS (Aromatic)						✓
TP01-5-ES-1.00	23063242-007	VOCHSAS						✓
TP01-5-ES-1.00	23063242-007	WSLM59						✓
TP02-1-ES-0.10	23063242-008	BTEXHSA						✓
TP02-1-ES-0.10	23063242-008	CLANDPREP						✓
TP02-1-ES-0.10	23063242-008	KONENS						✓
TP02-1-ES-0.10	23063242-008	KONENS						✓
TP02-1-ES-0.10	23063242-008	PAHMSUS						✓
TP02-1-ES-0.10	23063242-008	PCBECD						✓
TP02-1-ES-0.10	23063242-008	PHSOIL						✓
TP02-1-ES-0.10	23063242-008	SFAPI						✓
TP02-1-ES-0.10	23063242-008	SFAPI						✓
TP02-1-ES-0.10	23063242-008	TOCW						✓
TP02-1-ES-0.10	23063242-008	TPHFIDUS (Aliphatic)						✓
TP02-1-ES-0.10	23063242-008	WSLM13						✓
TP02-1-ES-0.10	23063242-008	WSLM59						✓
TP02-2-ES-0.30	23063242-009	BTEXHSA						✓
TP02-2-ES-0.30	23063242-009	CLANDPREP						✓
TP02-2-ES-0.30	23063242-009	GROHSA/BTEXHSA						✓
TP02-2-ES-0.30	23063242-009	ICPBOR						✓
TP02-2-ES-0.30	23063242-009	PAHMSUS						✓
TP02-2-ES-0.30	23063242-009	PCBECD						✓
TP02-2-ES-0.30	23063242-009	SVOCSW						✓
TP02-2-ES-0.30	23063242-009	TPHFIDUS (Aliphatic)						✓
TP02-2-ES-0.30	23063242-009	TPHFIDUS (Aromatic)						✓

TP02-2-ES-0.30	23063242-009	VOCHSAS						✓
TP02-2-ES-0.30	23063242-009	WSLM59						✓
TP02-3-ES-0.50	23063242-010	BTEXHSA						✓
TP02-3-ES-0.50	23063242-010	CLANDPREP						✓
TP02-3-ES-0.50	23063242-010	GROHSA/BTEXHSA						✓
TP02-3-ES-0.50	23063242-010	ICPBOR						✓
TP02-3-ES-0.50	23063242-010	PAHMSUS						✓
TP02-3-ES-0.50	23063242-010	PCBECD						✓
TP02-3-ES-0.50	23063242-010	SVOCSW						✓
TP02-3-ES-0.50	23063242-010	TPHFIDUS (Aliphatic)						✓
TP02-3-ES-0.50	23063242-010	TPHFIDUS (Aromatic)						✓
TP02-3-ES-0.50	23063242-010	VOCHSAS						✓
TP02-3-ES-0.50	23063242-010	WSLM59						✓
TP02-6-ES-1.50	23063242-011	BTEXHSA						✓
TP02-6-ES-1.50	23063242-011	CLANDPREP						✓
TP02-6-ES-1.50	23063242-011	GROHSA/BTEXHSA						✓
TP02-6-ES-1.50	23063242-011	ICPBOR						✓
TP02-6-ES-1.50	23063242-011	PAHMSUS						✓
TP02-6-ES-1.50	23063242-011	PCBECD						✓
TP02-6-ES-1.50	23063242-011	SVOCSW						✓
TP02-6-ES-1.50	23063242-011	TPHFIDUS (Aliphatic)						✓
TP02-6-ES-1.50	23063242-011	TPHFIDUS (Aromatic)						✓
TP02-6-ES-1.50	23063242-011	VOCHSAS						✓
TP02-6-ES-1.50	23063242-011	WSLM59						✓
TP03-1-ES-0.10	23063242-012	BTEXHSA						✓
TP03-1-ES-0.10	23063242-012	CLANDPREP						✓
TP03-1-ES-0.10	23063242-012	GROHSA/BTEXHSA						✓
TP03-1-ES-0.10	23063242-012	ICPBOR						✓
TP03-1-ES-0.10	23063242-012	PAHMSUS						✓
TP03-1-ES-0.10	23063242-012	PCBECD						✓
TP03-1-ES-0.10	23063242-012	SVOCSW						✓
TP03-1-ES-0.10	23063242-012	TPHFIDUS (Aliphatic)						✓
TP03-1-ES-0.10	23063242-012	TPHFIDUS (Aromatic)						✓
TP03-1-ES-0.10	23063242-012	VOCHSAS						✓
TP03-1-ES-0.10	23063242-012	WSLM59						✓
TP03-2-ES-0.30	23063242-013	BTEXHSA						✓
TP03-2-ES-0.30	23063242-013	CLANDPREP						✓
TP03-2-ES-0.30	23063242-013	KONENS						✓
TP03-2-ES-0.30	23063242-013	KONENS						✓
TP03-2-ES-0.30	23063242-013	PAHMSUS						✓
TP03-2-ES-0.30	23063242-013	PCBECD						✓

TP03-2-ES-0.30	23063242-013	**PHSOIL**						✓
TP03-2-ES-0.30	23063242-013	**SFAPI**						✓
TP03-2-ES-0.30	23063242-013	**SFAPI**						✓
TP03-2-ES-0.30	23063242-013	**TOCW**						✓
TP03-2-ES-0.30	23063242-013	**TPHFIDUS (Aliphatic)**						✓
TP03-2-ES-0.30	23063242-013	**WSLM13**						✓
TP03-2-ES-0.30	23063242-013	**WSLM59**						✓
TP03-4-ES-0.50	23063242-014	**BTEXHSA**						✓
TP03-4-ES-0.50	23063242-014	**CLANDPREP**						✓
TP03-4-ES-0.50	23063242-014	**GROHSA/BTEXHSA**						✓
TP03-4-ES-0.50	23063242-014	**ICPBOR**						✓
TP03-4-ES-0.50	23063242-014	**PAHMSUS**						✓
TP03-4-ES-0.50	23063242-014	**PCBECD**						✓
TP03-4-ES-0.50	23063242-014	**SVOCSW**						✓
TP03-4-ES-0.50	23063242-014	**TPHFIDUS (Aliphatic)**						✓
TP03-4-ES-0.50	23063242-014	**TPHFIDUS (Aromatic)**						✓
TP03-4-ES-0.50	23063242-014	**VOCHSAS**						✓
TP03-4-ES-0.50	23063242-014	**WSLM59**						✓
TP03-7-ES-1.50	23063242-015	**BTEXHSA**						✓
TP03-7-ES-1.50	23063242-015	**CLANDPREP**						✓
TP03-7-ES-1.50	23063242-015	**GROHSA/BTEXHSA**						✓
TP03-7-ES-1.50	23063242-015	**ICPBOR**						✓
TP03-7-ES-1.50	23063242-015	**PAHMSUS**						✓
TP03-7-ES-1.50	23063242-015	**PCBECD**						✓
TP03-7-ES-1.50	23063242-015	**SVOCSW**						✓
TP03-7-ES-1.50	23063242-015	**TPHFIDUS (Aliphatic)**						✓
TP03-7-ES-1.50	23063242-015	**TPHFIDUS (Aromatic)**						✓
TP03-7-ES-1.50	23063242-015	**VOCHSAS**						✓
TP03-7-ES-1.50	23063242-015	**WSLM59**						✓

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063242
Date Issued: 17/07/2023

Analysis Method

Method Code	Method Description	Analysis Method
ANC	ANC: Acid Neutralisation Capacity (mol/kg)	Air Dried & Ground
BTEXHSA	BTEX by GCFID	As Received
BTEXHSA	BTEX for WAC by GCFID	As Received
CALC_CR3	Chromium III (Trivalent) (Calc)	Air Dried & Ground
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	DW35 - CLand Prep and Dry Weight Correction to 35°C	As Received
GROHSA/BTEXHSA	GRO CWG (C5-C10) Ali/Aro Split	As Received
ICPBOR	Boron (Water Soluble) by ICPOES	Air Dried & Ground
ICPMSS	Arsenic in Solids by ICPMS	Air Dried & Ground
ICPMSS	Cadmium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Chromium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Copper in Solids by ICPMS	Air Dried & Ground
ICPMSS	Lead in Solids by ICPMS	Air Dried & Ground
ICPMSS	Mercury in Solids by ICPMS	Air Dried & Ground
ICPMSS	Nickel in Solids by ICPMS	Air Dried & Ground
ICPMSS	Selenium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Vanadium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Zinc in Solids by ICPMS	Air Dried & Ground
ICPMSW (Dissolved)	Antimony (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Antimony in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Arsenic (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Arsenic in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Cadmium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Cadmium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Chromium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Chromium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Copper (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Copper in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Lead (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Lead in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Mercury (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Mercury in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Molybdenum (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Molybdenum in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Nickel (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Nickel in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Selenium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Selenium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Zinc (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Zinc in Solids (BSEN 12457-2)	Filtered
ICPSOIL	Potassium in Solids by ICPOES	Air Dried & Ground
ICPWATVAR (Dissolved)	Barium (Diss.) in Lab Leachate by ICPOES	Filtered
ICPWATVAR (Dissolved)	Barium in Solids (BSEN 12457-2)	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 (Diss.) in Lab Leachate	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 in Solids (BSEN 12457-2)	Filtered
ISEF	Fluoride by ISE	Filtered
ISEF	Fluoride in Solids (BSEN 12457-2)	Filtered
KONENS	Chloride by Colorimetry	Filtered
KONENS	Chloride in Solids (BSEN 12457-2)	Filtered
KONENS	Chromium VI (Hexavalent) by Colorimetry	Air Dried & Ground

Client: SOCOTEC Geotechnical
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Leachate Prep CEN 10:1	WAC Leachate Prep, 1-Stage 10:1 (BSEN 12457-2)	As Received
LOI(%MM)	LOI: Loss on Ignition @ 450°C	Air Dried & Ground
PAHMSUS	16 PAHs by GCMS	As Received
PAHMSUS	17 PAHs (inc. Coronene) for WAC by GCMS	As Received
PCBECD	PCBs, ICES 7 Congeners	As Received
PCBECD	PCBs, ICES 7 Congeners inc. Total Calculation	As Received
PHCONDW	Electrical Conductivity @ 25°C	Filtered
PHCONDW	pH	Filtered
PHCONDW	TDS: Total Dissolved Solids (Calc)	Filtered
PHCONDW	Total Dissolved Solids in Solids (BSEN 12457-2)	Filtered
PHSOIL	pH (2.5:1)	As Received
SFAPI	Phenol Index (Total) by SFA	Filtered
SFAPI	Phenol Index in Solids (BSEN 12457-2)	Filtered
SUB020	Asbestos Stage 1 (with Stage 2+3 Trigger)	
SVOCSW	SVOCs (Target List) by GCMS	As Received
TOCW	LOC: Leached Organic Carbon	Filtered
TPHFIDUS (Aliphatic)	TPH (>C8-C40) Aliphatic and Carbon Band (>C10-C40)	As Received
TPHFIDUS (Aliphatic)	TPH (CWG) Aliphatic Split with Carbon Banding	As Received
TPHFIDUS (Aromatic)	TPH (CWG) Aromatic Split with Carbon Banding	As Received
VOCHSAS	VOCs (Target List) by GCMS	As Received
WAC	WAC Report	
WSLM13	Leached Organic Carbon in Solids (BSEN 12457-2)	Filtered
WSLM59	SOM: Soil Organic Matter (%) (Calc)	Air Dried & Ground
WSLM59	TOC: Total Organic Carbon	Air Dried & Ground

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

Client:	SOCOTEC Geotechnical
Project Name:	E3027-23-E3027-23
Project No:	23063242
Date Issued:	17/07/2023

HWOL Acronym Key

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 35° C.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° C.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

IS = Insufficient Sample to complete analysis
NA = Sample is not amenable for the required analysis
ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis

SOCOTEC

Environmental Chemistry

Certificate of Analysis

Client: SOCOTEC Geotechnical

Project: 23063245

Quote: BEC230630399 V1.1

Project Ref: E3027-23

Site: E3027-23

Contact: Mauro Alvera

Address: SOCOTEC Central
Leofric Business Park
Progress Close
Coventry
CV3 2TF

E-Mail: mauro.alvera@socotec.com

Phone: 07485358779

No. Samples Received: 8

Date Received: 28/06/2023

Analysis Date: 18/07/2023

Date Issued: 18/07/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

A. M. Kirby

Reported by Customer Service Co-Ordinator
Angela Kirby

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

Samples Analysed

Text ID	Sample Reference	Sampling Date	Sample Type	Sample Description
23063245-001	BH04-1-ES-0.10	07/06/2023 00:00:00	SOLID	Soil Sample
23063245-002	BH04-3-ES-0.30	07/06/2023 00:00:00	SOLID	Soil Sample
23063245-003	BH04-6-ES-0.60	07/06/2023 00:00:00	SOLID	Soil Sample
23063245-004	BH04-9-ES-1.00	07/06/2023 00:00:00	SOLID	Soil Sample
23063245-005	BH02-1-ES-0.10	05/06/2023 00:00:00	SOLID	Soil Sample
23063245-006	BH02-3-ES-0.30	05/06/2023 00:00:00	SOLID	Soil Sample
23063245-007	BH02-4-ES-0.50	05/06/2023 00:00:00	SOLID	Soil Sample
23063245-008	BH02-7-ES-1.00	05/06/2023 00:00:00	SOLID	Soil Sample

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

UKAS TESTING 1252

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205 C		<0.238	<0.235	<0.244*		<0.215
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205 C		<0.238	<0.235	<0.244*		<0.215
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.010		<0.012	<0.012	<0.012*		<0.011
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205 C		<0.238* B	<0.235* B	<0.244* B		<0.215* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.041 C		<0.048* B	<0.048* B	<0.049* B		<0.044* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205 C		<0.238	<0.235	<0.244*		<0.215
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.010		<0.012	<0.012	<0.012*		<0.011
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.205 C		<0.238	<0.235	<0.244*		<0.215
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		4.80		2.80	8.40	<1.20		16.8
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.12				0.16	
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.15				0.16	
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N			0.7				0.2	
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N			<0.0002				<0.0002	
Chloride as Cl	KONENS	10	mg/kg^	N			907				670	
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N			1.16				0.44	
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N			1.09				0.17	
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01				<0.01	
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N			0.0016				0.0012	
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.63				0.32	

Client: SOCOTEC Geotechnical
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.238	<0.239	<0.242*
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.238	<0.239	<0.242*
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.012	<0.012	<0.012*
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.238* B	<0.239* B	<0.242* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.048* B	<0.048* B	<0.048* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.238	<0.239	<0.242*
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.012	<0.012	<0.012*
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.238	<0.239	<0.242*
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		7.50	7.20	1.60
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N				
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N				
Chloride as Cl	KONENS	10	mg/kg^	N				
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N				
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N				

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

UKAS TESTING 1252

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01				<0.01	
Phenol Index	SFAPI	0.5	mg/kg^	N			<0.5				<0.5	
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.14				0.18	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N			8450				3300	
TDS as mg/kg	PHCONDW	700	mg/kg^	N			11600				5750	
Leached Organic Carbon	WSLM13	2	mg/kg^	N			115				56.7	
Fluoride as F	ISEF	1	mg/kg^	N			2				<2	
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N			<0.02				<0.02	
Conductivity at 25°C	PHCONDW	100	µS/cm	N			1700				845	
pH	PHCONDW	1	pH units	N			10.8				10.2	
TDS as mg/l	PHCONDW	70	mg/l	N			1160				575	
ANC	ANC	0.04	mol/kg^	N				15.0				4.16
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM				8.8				9.5
Chloride as Cl	KONENS	1	mg/l	U			91				67	
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N		<0.1		<0.1	<0.1	<0.1		<0.1
Phenol Index	SFAPI	0.05	mg/l	U			<0.05				<0.05	
Fluoride as F	ISEF	0.1	mg/l	U			0.2				0.2	
Soil Organic Matter	WSLM59	0.04	% m/m^	U		3.28		1.56	1.68	0.95*		2.17
Total Organic Carbon	WSLM59	0.02	% m/m^	U				0.90				1.26

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Phenol Index	SFAPI	0.5	mg/kg^	N				
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N				
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N				
TDS as mg/kg	PHCONDW	700	mg/kg^	N				
Leached Organic Carbon	WSLM13	2	mg/kg^	N				
Fluoride as F	ISEF	1	mg/kg^	N				
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N				
Conductivity at 25°C	PHCONDW	100	µS/cm	N				
pH	PHCONDW	1	pH units	N				
TDS as mg/l	PHCONDW	70	mg/l	N				
ANC	ANC	0.04	mol/kg^	N				
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM				
Chloride as Cl	KONENS	1	mg/l	U				
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N		<0.1	<0.1	<0.1
Phenol Index	SFAPI	0.05	mg/l	U				
Fluoride as F	ISEF	0.1	mg/l	U				
Soil Organic Matter	WSLM59	0.04	% m/m^	U		2.05	2.17	0.68*
Total Organic Carbon	WSLM59	0.02	% m/m^	U				

Client: SOCOTEC Geotechnical
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

				Sample ID	001	002		003	004	005		
				Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10		
				Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
				Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.							
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N			1.2				2.8
Leached Organic Carbon	TOCW	0.4	mg/l	U		11.5				5.67	
Arsenic as As	ICPMSS	0.3	mg/kg^	UM	2.8		0.8	3.5	0.4*		5.9
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM	0.3		<0.2	<0.2	0.3*		0.2
Copper as Cu	ICPMSS	1.6	mg/kg^	UM	4.6		3.3	8.0	1.6*		16.5
Lead as Pb	ICPMSS	0.7	mg/kg^	UM	6.2		5.7	16.0	1.5*		20.6
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM	<0.5		<0.5	<0.5	<0.5*		<0.5
Nickel as Ni	ICPMSS	2	mg/kg^	UM	4.7		5.5	9.9	4.5*		16.1
Selenium as Se	ICPMSS	0.5	mg/kg^	UM	<0.5		<0.5	<0.5	<0.5*		<0.5
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM	4.8		2.8	8.4	<1.2*		16.8
Vanadium as V	ICPMSS	0.6	mg/kg^	N	15.2		4.8	14.7	1.4		34.6
Zinc as Zn	ICPMSS	16	mg/kg^	UM	108.3		18.2	26.6	<16.0*		49.3
Potassium as K	ICPSOIL	10	mg/kg^	U	388		551	1280	261*		1800
Boron as B	ICPBOR	0.5	mg/kg^	UM	<0.5		0.6	1.5	<0.5*		1.5
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U		0.012				0.016	
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U		0.015				0.016	
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002				<0.00002	
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U		0.116				0.044	
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U		0.109				0.017	

Client: SOCOTEC Geotechnical
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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N				
Leached Organic Carbon	TOCW	0.4	mg/l	U				
Arsenic as As	ICPMSS	0.3	mg/kg^	UM		3.8	4.0	1.1*
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM		0.3	0.4	0.3*
Copper as Cu	ICPMSS	1.6	mg/kg^	UM		8.8	8.9	18.6*
Lead as Pb	ICPMSS	0.7	mg/kg^	UM		16.8	17.5	3.1*
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5	<0.5*
Nickel as Ni	ICPMSS	2	mg/kg^	UM		8.6	9.0	5.8*
Selenium as Se	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5	<0.5*
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM		7.5	7.2	1.6*
Vanadium as V	ICPMSS	0.6	mg/kg^	N		12.0	11.6	2.5
Zinc as Zn	ICPMSS	16	mg/kg^	UM		25.1	24.1	<16.0*
Potassium as K	ICPSOIL	10	mg/kg^	U		1170	1140	993*
Boron as B	ICPBOR	0.5	mg/kg^	UM		1.3	1.3	<0.5*
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U				
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U				
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U				
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U				
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U				

Client: SOCOTEC Geotechnical
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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.								
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001					<0.001	
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U		0.00016					0.00012	
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U		0.063					0.032	
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		0.001					<0.001	
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U		0.014					0.018	
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002					<0.002	
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U		0.07					0.02	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U		848					330	
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM	<10			<12	<12	<12*		<11
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM	<10 C			<12	<12	<12*		<11
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM	<21 C			<24	<24	<24*		<22
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM	<10 C			<12* B	<12* B	<12* B		<11* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM	<10			<12	<12	<12*		<11
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.012				<0.011
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.012				<0.011
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM				<0.024				<0.022
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.012* B				<0.011* B
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				<0.012				<0.011
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM				<0.071				<0.065

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U				
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U				
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U				
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U				
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U				
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U				
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U				
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U				
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<12	<12	<12*
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<12	<12	<12*
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM		<24	<24	<24*
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<12* B	<12* B	<12* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM		<12	<12	<12*
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM				
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM				
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM				

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

				Sample ID	001	002		003	004	005		
				Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10		
				Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
				Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.							
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		<0.09
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U	<0.08		<0.10	<0.09	<0.10*		<0.09
Anthracene	PAHMSUS	0.08	mg/kg^	U	<0.08		<0.10	<0.09	<0.10*		<0.09
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.35
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.43
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.44
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.29
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.25
Chrysene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.41
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		<0.09
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.45
Fluorene	PAHMSUS	0.08	mg/kg^	UM	<0.08* B		<0.10* B	<0.09* B	<0.10* B		<0.09* B
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.31
Naphthalene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		<0.09
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.13
Pyrene	PAHMSUS	0.08	mg/kg^	UM	<0.08		<0.10	<0.09	<0.10*		0.83
Total PAH 16	PAHMSUS	1.28	mg/kg^	U	<1.31		<1.52	<1.50	<1.56*		4.42
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM			<0.10				<0.09
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U			<0.10				<0.09

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.10	<0.10	<0.10*
Anthracene	PAHMSUS	0.08	mg/kg^	U		<0.10	<0.10	<0.10*
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Chrysene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Fluorene	PAHMSUS	0.08	mg/kg^	UM		<0.10* B	<0.10* B	<0.10* B
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.10	<0.10	<0.10*
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		<1.52	<1.53	<1.55*
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM				
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U				

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	001	002		003	004	005	
Customer ID					BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
Sample Type					SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
Sampling Date					07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U			<0.10				<0.09
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.35
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.43
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.44
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.29
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.25
Chrysene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.41
Coronene	PAHMSUS	0.08	mg/kg^	N			<0.10				0.10
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM			<0.10				<0.09
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.45
Fluorene	PAHMSUS	0.08	mg/kg^	UM			<0.10* B				<0.09* B
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.31
Naphthalene	PAHMSUS	0.08	mg/kg^	UM			<0.10				<0.09
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.13
Pyrene	PAHMSUS	0.08	mg/kg^	UM			<0.10				0.83
Total PAH 16	PAHMSUS	1.28	mg/kg^	U			<1.52				4.42
Total PAH 17	PAHMSUS	1.36	mg/kg^	N			<1.62				4.52
PCB 101	PCBECD	5	µg/kg^	UM	<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 118	PCBECD	5	µg/kg^	UM	<5.13		<5.94	<5.88	<6.09*		<5.38

Client: SOCOTEC Geotechnical
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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U				
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM				
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM				
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM				
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM				
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM				
Chrysene	PAHMSUS	0.08	mg/kg^	UM				
Coronene	PAHMSUS	0.08	mg/kg^	N				
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM				
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM				
Fluorene	PAHMSUS	0.08	mg/kg^	UM				
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM				
Naphthalene	PAHMSUS	0.08	mg/kg^	UM				
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM				
Pyrene	PAHMSUS	0.08	mg/kg^	UM				
Total PAH 16	PAHMSUS	1.28	mg/kg^	U				
Total PAH 17	PAHMSUS	1.36	mg/kg^	N				
PCB 101	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 118	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.								
PCB 138	PCBECD	5	µg/kg^	UM		<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 153	PCBECD	5	µg/kg^	UM		<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 180	PCBECD	5	µg/kg^	UM		<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 28	PCBECD	5	µg/kg^	UM		<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 52	PCBECD	5	µg/kg^	UM		<5.13		<5.94	<5.88	<6.09*		<5.38
PCB 101	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 118	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 138	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 153	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 180	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 28	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
PCB 52	PCBECD	0.005	mg/kg^	UM				<0.006				<0.005
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM				<0.042				<0.038
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N		<10.3 C,D		<0.1	<0.1	<0.1		<5.4 C,D
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1* B	<0.1* B		<5.4* B,C,D
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
PCB 138	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 153	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 180	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 28	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 52	PCBECD	5	µg/kg^	UM		<5.95	<5.98	<6.05*
PCB 101	PCBECD	0.005	mg/kg^	UM				
PCB 118	PCBECD	0.005	mg/kg^	UM				
PCB 138	PCBECD	0.005	mg/kg^	UM				
PCB 153	PCBECD	0.005	mg/kg^	UM				
PCB 180	PCBECD	0.005	mg/kg^	UM				
PCB 28	PCBECD	0.005	mg/kg^	UM				
PCB 52	PCBECD	0.005	mg/kg^	UM				
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM				
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N		<0.1	<3.0 C,D	<0.1
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*

Client: SOCOTEC Geotechnical
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UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1* B	<0.1* B		<5.4* B,C,D
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1* B	<0.1* B		<5.4* B,C,D
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U		<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
2-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U		<10.3* B,C,D		<0.1* B	<0.1* B	<0.1* B		<5.4* B,C,D
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N		<20.5 C,D		<0.2	<0.2	<0.2		<10.8 C,D
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U		<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D

Client: SOCOTEC Geotechnical
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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U		<0.6	<15.0 C,D	<0.6*
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
2-Methylphenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N		<0.2	<6.0 C,D	<0.2
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U		<0.6	<15.0 C,D	<0.6*

Client: SOCOTEC Geotechnical
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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.								
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N		<61.6 C,D		<0.7	<0.7	<0.7		<32.3 C,D
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
Acenaphthene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Acenaphthylene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Anthracene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Azobenzene	SVOCSW	0.3	mg/kg^	N		<30.8 C,D		<0.4	<0.4	<0.4		<16.1 C,D
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U		<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Benzoic Acid	SVOCSW	0.5	mg/kg^	N		<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U		<51.3* B,C,D		<0.6* B	<0.6* B	<0.6* B		<26.9* B,C,D
Biphenyl	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U		<51.3* B,C,D		<0.6* B	<0.6	<0.6*		<26.9 C,D
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U		<20.5* B,C,D		<0.2* B	<0.2	<0.2*		<10.8 C,D

Client: SOCOTEC Geotechnical
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Date Issued: 18/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N		<0.7	<17.9 C,D	<0.7
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
Acenaphthene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
Acenaphthylene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
Anthracene	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
Azobenzene	SVOCSW	0.3	mg/kg^	N		<0.4	<9.0 C,D	<0.4
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U		<0.6	<15.0 C,D	<0.6*
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
Benzoic Acid	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U		<0.6* B	<15.0* B,C,D	<0.6* B
Biphenyl	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U		<0.6	<15.0 C,D	<0.6*
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*

Client: SOCOTEC Geotechnical
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Project No: 23063245
Date Issued: 18/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U		<20.5* B,C,D		<0.2* B	<0.2	<0.2*		<10.8 C,D
Carbazole	SVOCSW	0.3	mg/kg^	N		<30.8 C,D		<0.4	<0.4	<0.4		<16.1 C,D
Chrysene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Coronene	SVOCSW	0.3	mg/kg^	N		<30.8 C,D		<0.4	<0.4	<0.4		<16.1 C,D
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U		<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D
Dibenzofuran	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Diethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		2.0	<0.1	<0.1*		<5.4 C,D
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U		<20.5* B,C,D		<0.2* B	<0.2	<0.2*		<10.8 C,D
Diphenyl ether	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Fluoranthene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Fluorene	SVOCSW	0.2	mg/kg^	U		<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N		<10.3 C,D		<0.1	<0.1	<0.1		<5.4 C,D
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N		<10.3 C,D		<0.1	<0.1	<0.1		<5.4 C,D
Hexachloroethane	SVOCSW	0.1	mg/kg^	U		<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U		<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D
Isophorone	SVOCSW	0.1	mg/kg^	N		<10.3 C,D		<0.1	<0.1	<0.1		<5.4 C,D

Client: SOCOTEC Geotechnical
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Date Issued: 18/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	006	007	008
Sample ID					006	007	008
Customer ID					BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
Sample Type					SOLID	SOLID	SOLID
Sampling Date					05/06/2023	05/06/2023	05/06/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U	<0.2	<6.0 C,D	<0.2*
Carbazole	SVOCSW	0.3	mg/kg^	N	<0.4	<9.0 C,D	<0.4
Chrysene	SVOCSW	0.2	mg/kg^	U	<0.2	<6.0 C,D	<0.2*
Coronene	SVOCSW	0.3	mg/kg^	N	<0.4	<9.0 C,D	<0.4
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U	<0.6	<15.0 C,D	<0.6*
Dibenzofuran	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Diethylphthalate	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U	<0.2	<6.0 C,D	<0.2*
Diphenyl ether	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Fluoranthene	SVOCSW	0.2	mg/kg^	U	<0.2	<6.0 C,D	<0.2*
Fluorene	SVOCSW	0.2	mg/kg^	U	<0.2	<6.0 C,D	<0.2*
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N	<0.1	<3.0 C,D	<0.1
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N	<0.1	<3.0 C,D	<0.1
Hexachloroethane	SVOCSW	0.1	mg/kg^	U	<0.1	<3.0 C,D	<0.1*
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U	<0.6	<15.0 C,D	<0.6*
Isophorone	SVOCSW	0.1	mg/kg^	N	<0.1	<3.0 C,D	<0.1

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	001	002		003	004	005	
Customer ID					BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
Sample Type					SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
Sampling Date					07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U	<10.3 C,D		<0.1	<0.1* B	<0.1* B		<5.4* B,C,D
Nitrobenzene	SVOCSW	0.5	mg/kg^	U	<51.3 C,D		<0.6	<0.6	<0.6*		<26.9 C,D
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N	<92.4 C,D		<1.1	<1.1	<1.1		<48.4 C,D
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N	<10.3 C,D		<0.1	<0.1	<0.1		<5.4 C,D
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N	<51.3 C,D		<0.6	<0.6	<0.6		<26.9 C,D
Phenanthrene	SVOCSW	0.1	mg/kg^	U	<10.3 C,D		<0.1	<0.1* B	<0.1* B		<5.4* B,C,D
Phenol	SVOCSW	0.1	mg/kg^	U	<10.3 C,D		<0.1	<0.1	<0.1*		<5.4 C,D
Pyrene	SVOCSW	0.2	mg/kg^	U	<20.5 C,D		<0.2	<0.2	<0.2*		<10.8 C,D
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U	<4.11		<4.75	<4.70	<4.87*		<4.31
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U	4.16		<4.75	<4.70	<4.87*		<4.31
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U	5.97		<4.75	<4.70	<4.87*		10.4
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U	20.6		<11.9	<11.8	<12.2*		125
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U	47.6		<23.8	<23.5	<24.4*		175
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U	<4.11		<4.75	<4.70	<4.87*		<4.31
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U	<4.11		<4.75	<4.70	<4.87*		<4.31
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U	5.33		<4.75	<4.70	<4.87*		10.6
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U	32.7		12.4	<11.8	31.7*		146
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U	81.3		37.6	42.5	53.3*		207
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U			<23.8				175

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
Nitrobenzene	SVOCSW	0.5	mg/kg^	U		<0.6	<15.0 C,D	<0.6*
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N		<1.1	<26.9 C,D	<1.1
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N		<0.1	<3.0 C,D	<0.1
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N		<0.6	<15.0 C,D	<0.6
Phenanthrene	SVOCSW	0.1	mg/kg^	U		<0.1* B	<3.0* B,C,D	<0.1* B
Phenol	SVOCSW	0.1	mg/kg^	U		<0.1	<3.0 C,D	<0.1*
Pyrene	SVOCSW	0.2	mg/kg^	U		<0.2	<6.0 C,D	<0.2*
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U		<11.9	<12.0	<12.1*
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		<23.8	<23.9	<24.2*
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		<4.76	<4.78	<4.84*
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U		<11.9	13.7	<12.1*
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U		<23.8	<23.9	30.7*
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U				

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U				<23.8				175
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N	<1			<1	<1	<1		<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U	<1			<1	<1	<1*		<1
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM	<3			<4	<3	<4*		<3
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N	<3			<4	<3	<4		<3
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U	<1			<1	<1	<1*		<1
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM	6			<1	<1	<1*		<1
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM	<1			<1	<1	<1*		<1

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U				
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N		<1	<1	<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U		<1	<1	<1*
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM		<4	<4	<4*
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N		<4	<4	<4
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U		<1	<1	<1*
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*

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Analysis Results

					Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Analysis	Method Code	MDL	Units	Accred.								
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<2		<3	<2	<3*		<2
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Benzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Bromoform	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Chloroethane	VOCHSAS	2	µg/kg^	UM		<2		<3	<2	<3*		<2
Chloroform	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Chloromethane	VOCHSAS	3	µg/kg^	U		<3		<4	<3	<4*		<3
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<5		<7	<5	<7*		<5
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<3	<3	<3*
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Benzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Bromoform	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Chloroethane	VOCHSAS	2	µg/kg^	UM		<3	<3	<3*
Chloroform	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Chloromethane	VOCHSAS	3	µg/kg^	U		<4	<4	<4*
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<7	<7	<7*
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*

Client: SOCOTEC Geotechnical
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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Dibromomethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N		<1		<1	<1	<1		<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM		<2		<3	<2	<3*		<2
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N		<2		<3	<2	<3		<2
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
m and p-Xylene	VOCHSAS	4	µg/kg^	UM		<4		<5	<4	<5*		<4
MTBE	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Naphthalene	VOCHSAS	5	µg/kg^	UM		<5		<7	<5	<7*		<5
n-Butylbenzene	VOCHSAS	1	µg/kg^	U		<1		<1	<1	<1*		<1
o-Xylene	VOCHSAS	2	µg/kg^	UM		3		<3	<2	<3*		<2
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM		1		<1	<1	<1*		<1
Propylbenzene	VOCHSAS	1	µg/kg^	UM		2		<1	<1	<1*		<1
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM		3		<1	<1	<1*		<1
Styrene	VOCHSAS	1	µg/kg^	UM		<1* B		<1* B	<1* B	<1* B		<1* B
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM		<3		<4	<3	<4*		<3
Toluene	VOCHSAS	5	µg/kg^	UM		<5		<7	<5	<7*		<5
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Dibromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N		<1	<1	<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM		<3	<3	<3*
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N		<3	<3	<3
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
m and p-Xylene	VOCHSAS	4	µg/kg^	UM		<5	<5	<5*
MTBE	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Naphthalene	VOCHSAS	5	µg/kg^	UM		<7	<7	<7*
n-Butylbenzene	VOCHSAS	1	µg/kg^	U		<1	<1	<1*
o-Xylene	VOCHSAS	2	µg/kg^	UM		<3	<3	<3*
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Propylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Styrene	VOCHSAS	1	µg/kg^	UM		<1* B	<1* B	<1* B
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM		<4	<4	<4*
Toluene	VOCHSAS	5	µg/kg^	UM		<7	<7	<7*
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002		003	004	005	
					Customer ID	BH04-1-ES-0.10	BH04-3-ES-0.30		BH04-6-ES-0.60	BH04-9-ES-1.00	BH02-1-ES-0.10	
					Sample Type	SOLID	LPL	SOLID	SOLID	SOLID	LPL	SOLID
					Sampling Date	07/06/2023	07/06/2023	07/06/2023	07/06/2023	07/06/2023	05/06/2023	05/06/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U		<1		<1	<1	<1*		<1
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM		<1		<1	<1	<1*		<1
Total Moisture at 35°C	CLANDPREP	0.1	%	N		2.6		15.8	14.9	17.9		7.1
Description of Solid Material	CLANDPREP		-	N		SILT		SILT	SILT	CHALK		SILT
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N				0.090				0.090
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N				65.1				58.1
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N				0				0
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N				0.884				0.893
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N				0.106				0.097
WAC Report	WAC		-	N				See Attached				See Attached
Asbestos Identification	SUB020		-	N		NAIIS		NAIIS	NAIIS	NAIIS		NAIIS

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	006	007	008
					Customer ID	BH02-3-ES-0.30	BH02-4-ES-0.50	BH02-7-ES-1.00
					Sample Type	SOLID	SOLID	SOLID
					Sampling Date	05/06/2023	05/06/2023	05/06/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U		<1	<1	<1*
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM		<1	<1	<1*
Total Moisture at 35°C	CLANDPREP	0.1	%	N		15.9	16.4	17.3
Description of Solid Material	CLANDPREP		-	N		SILT	SILT	CHALK
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N				
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N				
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N				
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N				
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N				
WAC Report	WAC		-	N				
Asbestos Identification	SUB020		-	N		NAIIS	NAIIS	NAIIS

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CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: SOCOTEC UK Ltd
Environmental Chemistry
PO Box 100
Burton upon Trent
Staffordshire
DE15 0XD

CONTRACT NO: S34268-6

DATE OF ISSUE: 07.07.23

DATE SAMPLES RECEIVED: 30.06.23

DATE ANALYSIS COMPLETED: 07.07.23

DESCRIPTION: Eight soil/loose aggregate samples each weighing approximately 1.2-1.5kg.

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

METHODS:

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

RESULTS:

Initial Screening

No asbestos was detected in any of the soil samples by stereo-binocular and polarised light microscopy.

A summary of the results is given in Table 1.

www.iom-world.org
Registered Address: Research Avenue North, Riccarton, Edinburgh, EH14 4AP, United Kingdom
Tel: 0131 449 8000 Fax: 0131 449 8084 Email: iom@iom-world.org

CONTRACT NO: S34268-6
DATE OF ISSUE: 07.07.23

RESULTS: (cont.)

Table 1: Qualitative Results

SOCOTEC Job I.D: 23063245

IOM sample number	SOCOTEC Sample ID	Client Sample ID	ACM type detected	PLM result
S34268-32	23063245-001	BH04-1-ES-0.10	-	No Asbestos Detected
S34268-33	23063245-002	BH04-3-ES-0.30	-	No Asbestos Detected
S34268-34	23063245-003	BH04-6-ES-0.60	-	No Asbestos Detected
S34268-35	23063245-004	BH04-9-ES-1.00	-	No Asbestos Detected
S34268-36	23063245-005	BH02-1-ES-0.10	-	No Asbestos Detected
S34268-37	23063245-006	BH02-3-ES-0.30	-	No Asbestos Detected
S34268-38	23063245-007	BH02-4-ES-0.50	-	No Asbestos Detected
S34268-39	23063245-008	BH02-7-ES-1.00	-	No Asbestos Detected

Our detection limit for this method is 0.001%.

COMMENTS:

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....
D Third
Laboratory Analyst

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063245	
Sample No	Sample Description	Issue Date
23063245-002	BH04-3-ES-0.30	18/07/2023

Leaching Data	
Weight of Sample (kg)	0.106
Moisture content @ 105°C (% Wet Weight)	14.7
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.884
Fraction of sample above 4mm %	65.1
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	0.90	3	5	6
N	LOI450	Loss on Ignition (%)	1.2			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.071	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.042	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	<23.8	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<1.62	100		
UM	PHSOIL	pH (pH Units)	8.8		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	15.0		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	10.8				
N	WSLM2**	Conductivity (µS/cm)	1700				
U	ICPMSW	Arsenic	0.015	0.15	0.5	2	25
U	ICPWATVAR	Barium	0.07	0.7	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.116	1.16	0.5	10	70
U	ICPMSW	Copper	0.109	1.09	2	50	100
U	ICPMSW	Mercury	0.00016	0.0016	0.01	0.2	2
U	ICPMSW	Molybdenum	0.063	0.63	0.5	10	30
U	ICPMSW	Nickel	0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.012	0.12	0.06	0.7	5
U	ICPMSW	Selenium	0.014	0.14	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	91	907	800	15000	25000
U	ISEF	Fluoride	0.2	2	10	150	500
U	ICPWATVAR	Sulphate as SO4	848	8450	1000	20000	50000
N	WSLM27	Total Dissolved Solids	1160	11600	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	11.5	115	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063245	
Sample No	Sample Description	Issue Date
23063245-005	BH02-1-ES-0.10	18/07/2023

Leaching Data	
Weight of Sample (kg)	0.097
Moisture content @ 105°C (% Wet Weight)	7.3
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.893
Fraction of sample above 4mm %	58.1
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.26	3	5	6
N	LOI450	Loss on Ignition (%)	2.8			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.065	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.038	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	175	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	4.52	100		
UM	PHSOIL	pH (pH Units)	9.5		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	4.16		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	10.2				
N	WSLM2**	Conductivity (µS/cm)	845				
U	ICPMSW	Arsenic	0.016	0.16	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.044	0.44	0.5	10	70
U	ICPMSW	Copper	0.017	0.17	2	50	100
U	ICPMSW	Mercury	0.00012	0.0012	0.01	0.2	2
U	ICPMSW	Molybdenum	0.032	0.32	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.016	0.16	0.06	0.7	5
U	ICPMSW	Selenium	0.018	0.18	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	67	670	800	15000	25000
U	ISEF	Fluoride	0.2	<2	10	150	500
U	ICPWATVAR	Sulphate as SO4	330	3300	1000	20000	50000
N	WSLM27	Total Dissolved Solids	575	5750	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	5.67	56.7	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BH04-1-ES-0.10	23063245-001	**BTEXHSA**						✓
BH04-1-ES-0.10	23063245-001	**GROHSA/BTEXHSA**						✓
BH04-1-ES-0.10	23063245-001	**PAHMSUS**						✓
BH04-1-ES-0.10	23063245-001	**SVOCSW**						✓
BH04-1-ES-0.10	23063245-001	**TPHFIDUS (Aliphatic)**						✓
BH04-1-ES-0.10	23063245-001	**TPHFIDUS (Aromatic)**						✓
BH04-1-ES-0.10	23063245-001	**VOCHSAS**						✓
BH04-3-ES-0.30	23063245-002	**BTEXHSA**						✓
BH04-3-ES-0.30	23063245-002	**GROHSA/BTEXHSA**						✓
BH04-3-ES-0.30	23063245-002	**KONENS**						✓
BH04-3-ES-0.30	23063245-002	**KONENS**						✓
BH04-3-ES-0.30	23063245-002	**PAHMSUS**						✓
BH04-3-ES-0.30	23063245-002	**PHSOIL**						✓
BH04-3-ES-0.30	23063245-002	**SFAPI**						✓
BH04-3-ES-0.30	23063245-002	**SFAPI**						✓
BH04-3-ES-0.30	23063245-002	**SVOCSW**						✓
BH04-3-ES-0.30	23063245-002	**TOCW**						✓
BH04-3-ES-0.30	23063245-002	**TPHFIDUS (Aliphatic)**						✓
BH04-3-ES-0.30	23063245-002	**TPHFIDUS (Aromatic)**						✓
BH04-3-ES-0.30	23063245-002	**VOCHSAS**						✓
BH04-3-ES-0.30	23063245-002	**WSLM13**						✓
BH04-6-ES-0.60	23063245-003	**BTEXHSA**						✓
BH04-6-ES-0.60	23063245-003	**GROHSA/BTEXHSA**						✓
BH04-6-ES-0.60	23063245-003	**PAHMSUS**						✓
BH04-6-ES-0.60	23063245-003	**SVOCSW**						✓
BH04-6-ES-0.60	23063245-003	**TPHFIDUS (Aliphatic)**						✓
BH04-6-ES-0.60	23063245-003	**TPHFIDUS (Aromatic)**						✓
BH04-6-ES-0.60	23063245-003	**VOCHSAS**						✓
BH04-9-ES-1.00	23063245-004	**BTEXHSA**						✓
BH04-9-ES-1.00	23063245-004	**GROHSA/BTEXHSA**						✓
BH04-9-ES-1.00	23063245-004	**PAHMSUS**						✓
BH04-9-ES-1.00	23063245-004	**SVOCSW**						✓
BH04-9-ES-1.00	23063245-004	**TPHFIDUS (Aliphatic)**						✓

BH04-9-ES-1.00	23063245-004	TPHFIDUS (Aromatic)						✓
BH04-9-ES-1.00	23063245-004	VOCHSAS						✓
BH02-1-ES-0.10	23063245-005	BTEXHSA						✓
BH02-1-ES-0.10	23063245-005	GROHSA/BTEXHSA						✓
BH02-1-ES-0.10	23063245-005	KONENS						✓
BH02-1-ES-0.10	23063245-005	KONENS						✓
BH02-1-ES-0.10	23063245-005	PAHMSUS						✓
BH02-1-ES-0.10	23063245-005	PCBECD						✓
BH02-1-ES-0.10	23063245-005	PHSOIL						✓
BH02-1-ES-0.10	23063245-005	SFAPI						✓
BH02-1-ES-0.10	23063245-005	SFAPI						✓
BH02-1-ES-0.10	23063245-005	SVOCSW						✓
BH02-1-ES-0.10	23063245-005	TOCW						✓
BH02-1-ES-0.10	23063245-005	TPHFIDUS (Aliphatic)						✓
BH02-1-ES-0.10	23063245-005	TPHFIDUS (Aromatic)						✓
BH02-1-ES-0.10	23063245-005	VOCHSAS						✓
BH02-1-ES-0.10	23063245-005	WSLM13						✓
BH02-1-ES-0.10	23063245-005	WSLM59						✓
BH02-1-ES-0.10	23063245-005	WSLM59						✓
BH02-3-ES-0.30	23063245-006	BTEXHSA						✓
BH02-3-ES-0.30	23063245-006	GROHSA/BTEXHSA						✓
BH02-3-ES-0.30	23063245-006	PAHMSUS						✓
BH02-3-ES-0.30	23063245-006	PCBECD						✓
BH02-3-ES-0.30	23063245-006	SVOCSW						✓
BH02-3-ES-0.30	23063245-006	TPHFIDUS (Aliphatic)						✓
BH02-3-ES-0.30	23063245-006	TPHFIDUS (Aromatic)						✓
BH02-3-ES-0.30	23063245-006	VOCHSAS						✓
BH02-3-ES-0.30	23063245-006	WSLM59						✓
BH02-4-ES-0.50	23063245-007	BTEXHSA						✓
BH02-4-ES-0.50	23063245-007	GROHSA/BTEXHSA						✓
BH02-4-ES-0.50	23063245-007	PAHMSUS						✓
BH02-4-ES-0.50	23063245-007	PCBECD						✓
BH02-4-ES-0.50	23063245-007	SVOCSW						✓
BH02-4-ES-0.50	23063245-007	TPHFIDUS (Aliphatic)						✓
BH02-4-ES-0.50	23063245-007	TPHFIDUS (Aromatic)						✓
BH02-4-ES-0.50	23063245-007	VOCHSAS						✓
BH02-4-ES-0.50	23063245-007	WSLM59						✓
BH02-7-ES-1.00	23063245-008	BTEXHSA						✓
BH02-7-ES-1.00	23063245-008	GROHSA/BTEXHSA						✓
BH02-7-ES-1.00	23063245-008	PAHMSUS						✓
BH02-7-ES-1.00	23063245-008	PCBECD						✓

BH02-7-ES-1.00	23063245-008	**SVOCSW**						✓
BH02-7-ES-1.00	23063245-008	**TPHFIDUS (Aliphatic)**						✓
BH02-7-ES-1.00	23063245-008	**TPHFIDUS (Aromatic)**						✓
BH02-7-ES-1.00	23063245-008	**VOCHSAS**						✓
BH02-7-ES-1.00	23063245-008	**WSLM59**						✓

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063245
Date Issued: 18/07/2023

Analysis Method

Method Code	Method Description	Analysis Method
ANC	ANC: Acid Neutralisation Capacity (mol/kg)	Air Dried & Ground
BTEXHSA	BTEX by GCFID	As Received
BTEXHSA	BTEX for WAC by GCFID	As Received
CALC_CR3	Chromium III (Trivalent) (Calc)	Air Dried & Ground
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	DW35 - CLand Prep and Dry Weight Correction to 35°C	As Received
GROHSA/BTEXHSA	GRO CWG (C5-C10) Ali/Aro Split	As Received
ICPBOR	Boron (Water Soluble) by ICPOES	Air Dried & Ground
ICPMSS	Arsenic in Solids by ICPMS	Air Dried & Ground
ICPMSS	Cadmium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Chromium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Copper in Solids by ICPMS	Air Dried & Ground
ICPMSS	Lead in Solids by ICPMS	Air Dried & Ground
ICPMSS	Mercury in Solids by ICPMS	Air Dried & Ground
ICPMSS	Nickel in Solids by ICPMS	Air Dried & Ground
ICPMSS	Selenium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Vanadium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Zinc in Solids by ICPMS	Air Dried & Ground
ICPMSW (Dissolved)	Antimony (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Antimony in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Arsenic (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Arsenic in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Cadmium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Cadmium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Chromium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Chromium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Copper (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Copper in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Lead (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Lead in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Mercury (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Mercury in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Molybdenum (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Molybdenum in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Nickel (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Nickel in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Selenium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Selenium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Zinc (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Zinc in Solids (BSEN 12457-2)	Filtered
ICPSOIL	Potassium in Solids by ICPOES	Air Dried & Ground
ICPWATVAR (Dissolved)	Barium (Diss.) in Lab Leachate by ICPOES	Filtered
ICPWATVAR (Dissolved)	Barium in Solids (BSEN 12457-2)	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 (Diss.) in Lab Leachate	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 in Solids (BSEN 12457-2)	Filtered
ISEF	Fluoride by ISE	Filtered
ISEF	Fluoride in Solids (BSEN 12457-2)	Filtered
KONENS	Chloride by Colorimetry	Filtered
KONENS	Chloride in Solids (BSEN 12457-2)	Filtered
KONENS	Chromium VI (Hexavalent) by Colorimetry	Air Dried & Ground

Leachate Prep CEN 10:1	WAC Leachate Prep, 1-Stage 10:1 (BSEN 12457-2)	As Received
LOI(%MM)	LOI: Loss on Ignition @ 450°C	Air Dried & Ground
PAHMSUS	16 PAHs by GCMS	As Received
PAHMSUS	17 PAHs (inc. Coronene) for WAC by GCMS	As Received
PCBECD	PCBs, ICES 7 Congeners	As Received
PCBECD	PCBs, ICES 7 Congeners inc. Total Calculation	As Received
PHCONDW	Electrical Conductivity @ 25°C	Filtered
PHCONDW	pH	Filtered
PHCONDW	TDS: Total Dissolved Solids (Calc)	Filtered
PHCONDW	Total Dissolved Solids in Solids (BSEN 12457-2)	Filtered
PHSOIL	pH (2.5:1)	As Received
SFAPI	Phenol Index (Total) by SFA	Filtered
SFAPI	Phenol Index in Solids (BSEN 12457-2)	Filtered
SUB020	Asbestos Stage 1 (with Stage 2+3 Trigger)	
SVOCSW	SVOCs (Target List) by GCMS	As Received
TOCW	LOC: Leached Organic Carbon	Filtered
TPHFIDUS (Aliphatic)	TPH (>C8-C40) Aliphatic and Carbon Band (>C10-C40)	As Received
TPHFIDUS (Aliphatic)	TPH (CWG) Aliphatic Split with Carbon Banding	As Received
TPHFIDUS (Aromatic)	TPH (CWG) Aromatic Split with Carbon Banding	As Received
VOCHSAS	VOCs (Target List) by GCMS	As Received
WAC	WAC Report	
WSLM13	Leached Organic Carbon in Solids (BSEN 12457-2)	Filtered
WSLM59	SOM: Soil Organic Matter (%) (Calc)	Air Dried & Ground
WSLM59	TOC: Total Organic Carbon	Air Dried & Ground

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

Client:	SOCOTEC Geotechnical
Project Name:	E3027-23-E3027-23
Project No:	23063245
Date Issued:	18/07/2023

HWOL Acronym Key

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 35°C.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35°C.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

IS = Insufficient Sample to complete analysis
NA = Sample is not amenable for the required analysis
ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis

SOCOTEC

Environmental Chemistry

Certificate of Analysis

Client: SOCOTEC Geotechnical

Project: 23063335

Quote: BEC230630399 V1.1

Project Ref: E3027-23

Site: E3027-23

Contact: Mauro Alvera

Address: SOCOTEC Central
Leofric Business Park
Progress Close
Coventry
CV3 2TF

E-Mail: mauro.alvera@socotec.com

Phone: 07485358779

No. Samples Received: 4

Date Received: 29/06/2023

Analysis Date: 14/07/2023

Date Issued: 14/07/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Reported by Customer Service Lead
Martin Elliott-Palmer
01283 554137

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

Samples Analysed

Text ID	Sample Reference	Sampling Date	Sample Type	Sample Description
23063335-001	BH01-1-ES-0.10	24/05/2023 00:00:00	SOLID	Soil Sample
23063335-002	BH01-2-ES-0.30	24/05/2023 00:00:00	SOLID	Soil Sample
23063335-003	BH01-3-ES-0.50	24/05/2023 00:00:00	SOLID	Soil Sample
23063335-004	BH01-8-ES-1.00	24/05/2023 00:00:00	SOLID	Soil Sample

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
>C6-C7 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.220	<0.229*	<0.241*	<0.240*
>C7-C8 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.220	<0.229*	<0.241*	<0.240*
>C7-C8 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011	<0.012*	<0.012*	<0.012*
>C8-C10 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.220* B	<0.229* B	<0.241* B	<0.240* B
>C8-C10 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.04	mg/kg^	UM		<0.044* B	<0.047* B	<0.048* B	<0.048* B
C5-C6 Aliphatic HS_1D_AL	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.220	<0.229*	<0.241*	<0.240*
C5-C7 Aromatic HS_1D_AR	GROHSA/BTEXHSA	0.01	mg/kg^	UM		<0.011	<0.012*	<0.012*	<0.012*
Total GRO C5-C10 HS_1D_Total	GROHSA/BTEXHSA	0.2	mg/kg^	UM		<0.220	<0.229*	<0.241*	<0.240*
Chromium (III)	CALC_CR3	1.2	mg/kg^	N		4.90	1.40	<1.20	<1.20
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01				
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.02				
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N	<0.1				
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N	<0.0002				
Chloride as Cl	KONENS	10	mg/kg^	N	<10				
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01				
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.02				
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01				
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N	<0.0003				
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01				

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N		<0.01			
Phenol Index	SFAPI	0.5	mg/kg^	N		<0.5			
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N		0.03			
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N		<30			
TDS as mg/kg	PHCONDW	700	mg/kg^	N		<700			
Leached Organic Carbon	WSLM13	2	mg/kg^	N		18.3			
Fluoride as F	ISEF	1	mg/kg^	N		<1			
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N		<0.02			
Conductivity at 25°C	PHCONDW	100	µS/cm	N		<100			
pH	PHCONDW	1	pH units	N		9.1			
TDS as mg/l	PHCONDW	70	mg/l	N		<70			
ANC	ANC	0.04	mol/kg^	N			12.7		
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM			9.7		
Chloride as Cl	KONENS	1	mg/l	U		<1			
Chromium (VI) as Cr	KONENS	0.1	mg/kg^	N			<0.1	<0.1	<0.1
Phenol Index	SFAPI	0.05	mg/l	U		<0.05			
Fluoride as F	ISEF	0.1	mg/l	U		0.1			
Soil Organic Matter	WSLM59	0.04	% m/m^	U			1.39	1.23*	0.98*
Total Organic Carbon	WSLM59	0.02	% m/m^	U			0.81		

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N		1.5			
Leached Organic Carbon	TOCW	0.4	mg/l	U	1.83				
Arsenic as As	ICPMSS	0.3	mg/kg^	UM		2.2	0.4*	<0.3*	<0.3*
Cadmium as Cd	ICPMSS	0.2	mg/kg^	UM		<0.2	<0.2*	<0.2*	<0.2*
Copper as Cu	ICPMSS	1.6	mg/kg^	UM		7.3	2.1*	1.6*	1.8*
Lead as Pb	ICPMSS	0.7	mg/kg^	UM		5.3	2.0*	1.5*	1.6*
Mercury as Hg	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5*	<0.5*	<0.5*
Nickel as Ni	ICPMSS	2	mg/kg^	UM		5.0	4.0*	4.6*	4.5*
Selenium as Se	ICPMSS	0.5	mg/kg^	UM		<0.5	<0.5*	<0.5*	<0.5*
Total Chromium as Cr	ICPMSS	1.2	mg/kg^	UM		4.9	1.4*	<1.2*	<1.2*
Vanadium as V	ICPMSS	0.6	mg/kg^	N		13.7	3.4	1.4	1.8
Zinc as Zn	ICPMSS	16	mg/kg^	UM		20.6	<16.0*	<16.0*	<16.0*
Potassium as K	ICPSOIL	10	mg/kg^	U		588	352*	405*	461*
Boron as B	ICPBOR	0.5	mg/kg^	UM		<0.5	<0.5*	1.1*	0.9*
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001				
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U	0.002				
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	<0.00002				
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001				
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	0.002				

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		0.001				
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U		<0.00003				
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001				
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001				
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U		0.003				
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		0.002				
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U		<0.01				
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U		<3				
Benzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<11	<12*	<12*	<12*
Ethylbenzene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<11	<12*	<12*	<12*
m/p-Xylene HS_1D_AR	BTEXHSA	20	µg/kg^	UM			<22	<23*	<24*	<24*
o-Xylene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<11* B	<12* B	<12* B	<12* B
Toluene HS_1D_AR	BTEXHSA	10	µg/kg^	UM			<11	<12*	<12*	<12*
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.011			
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.011			
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg^	UM			<0.022			
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.011* B			
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg^	UM			<0.011			
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg^	UM			<0.066			

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.09	<0.09*	<0.10*	<0.10*
Anthracene	PAHMSUS	0.08	mg/kg^	U		<0.09	<0.09*	<0.10*	<0.10*
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Chrysene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09* B	<0.09* B	<0.10* B	<0.10* B
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Fluorene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09	<0.09*	<0.10*	<0.10*
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		<1.41	<1.47*	<1.54*	<1.54*
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.09			

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Anthracene	PAHMSUS	0.08	mg/kg^	U		<0.09			
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Chrysene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Coronene	PAHMSUS	0.08	mg/kg^	N		<0.09			
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		<0.09* B			
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Fluorene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Pyrene	PAHMSUS	0.08	mg/kg^	UM		<0.09			
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		<1.41			
Total PAH 17	PAHMSUS	1.36	mg/kg^	N		<1.49			
PCB 101	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 118	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023
PCB 138	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 153	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 180	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 28	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 52	PCBECD	5	µg/kg^	UM		<5.49	<5.73*	<6.03*	<6.00*
PCB 101	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 118	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 138	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 153	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 180	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 28	PCBECD	0.005	mg/kg^	UM		<0.005			
PCB 52	PCBECD	0.005	mg/kg^	UM		<0.005			
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM		<0.038			
1,2,4-Trichlorobenzene	SVOCSW	0.1	mg/kg^	N		<0.5 D	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
1,3-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
1,4-Dichlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
1-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2,4,5-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
2,4,6-Trichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.5* B,D	<0.1* B	<0.1* B	<0.1* B
2,4-Dichlorophenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2,4-Dimethylphenol	SVOCSW	0.1	mg/kg^	U		<0.5* B,D	<0.1* B	<0.1* B	<0.1* B
2,4-Dinitrophenol	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
2,4-Dinitrotoluene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
2,6-Dinitrotoluene	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
2-Chloronaphthalene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2-Chlorophenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2-Methylnaphthalene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2-Methylphenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
2-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
2-Nitrophenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
3- & 4-Methylphenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
3-Nitroaniline	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
4,6-Dinitro-2-methylphenol	SVOCSW	0.2	mg/kg^	N		<1.1 D	<0.2	<0.2	<0.2
4-Bromophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
4-Chloro-3-methylphenol	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
4-Chloroaniline	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
4-Chlorophenol	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*

Client: SOCOTEC Geotechnical
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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
4-Chlorophenyl-phenylether	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
4-Nitroaniline	SVOCSW	0.6	mg/kg^	N		<3.3 D	<0.7	<0.7	<0.7
4-Nitrophenol	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
Acenaphthene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Acenaphthylene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Anthracene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Azobenzene	SVOCSW	0.3	mg/kg^	N		<1.7 D	<0.3	<0.4	<0.4
Benzo[a]anthracene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Benzo[a]pyrene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Benzo[b]fluoranthene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Benzo[g,h,i]perylene	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
Benzo[k]fluoranthene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Benzoic Acid	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
Benzyl alcohol	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
Biphenyl	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
bis(2-Chloroethoxy)methane	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
bis(2-Chloroethyl)ether	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
bis(2-Chloroisopropyl)ether	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
bis(2-Ethylhexyl)phthalate	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Butylbenzylphthalate	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Carbazole	SVOCSW	0.3	mg/kg^	N		<1.7 D	<0.3	<0.4	<0.4
Chrysene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Coronene	SVOCSW	0.3	mg/kg^	N		<1.7 D	<0.3	<0.4	<0.4
Dibenzo[a,h]anthracene	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
Dibenzofuran	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Diethylphthalate	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Dimethylphthalate	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Di-n-butylphthalate	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Di-n-octylphthalate	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Diphenyl ether	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Fluoranthene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Fluorene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
Hexachlorobenzene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Hexachlorobutadiene	SVOCSW	0.1	mg/kg^	N		<0.5 D	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	SVOCSW	0.1	mg/kg^	N		<0.5 D	<0.1	<0.1	<0.1
Hexachloroethane	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Indeno[1,2,3-cd]pyrene	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
Isophorone	SVOCSW	0.1	mg/kg^	N		<0.5 D	<0.1	<0.1	<0.1

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Naphthalene	SVOCSW	0.1	mg/kg^	U		<0.5* B,D	<0.1* B	<0.1* B	<0.1* B
Nitrobenzene	SVOCSW	0.5	mg/kg^	U		<2.7 D	<0.6*	<0.6*	<0.6*
N-Nitroso-di-n-propylamine	SVOCSW	0.9	mg/kg^	N		<4.9 D	<1.0	<1.1	<1.1
N-Nitrosodiphenylamine	SVOCSW	0.1	mg/kg^	N		<0.5 D	<0.1	<0.1	<0.1
Pentachlorophenol	SVOCSW	0.5	mg/kg^	N		<2.7 D	<0.6	<0.6	<0.6
Phenanthrene	SVOCSW	0.1	mg/kg^	U		<0.5 D	<0.1*	<0.1*	<0.1*
Phenol	SVOCSW	0.1	mg/kg^	U		<0.5* B,D	<0.1* B	<0.1* B	<0.1* B
Pyrene	SVOCSW	0.2	mg/kg^	U		<1.1 D	<0.2*	<0.2*	<0.2*
>C10-C12 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.39	<4.58*	5.51*	<4.80*
>C12-C16 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		<4.39	6.43*	8.70*	<4.80*
>C16-C21 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	4	mg/kg^	U		4.52	<4.58*	5.64*	<4.80*
>C21-C35 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	10	mg/kg^	U		48.5	<11.5*	<12.1*	<12.0*
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		87.2	30.9*	45.1*	<24.0*
>C10-C12 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		4.56	<4.58*	7.45*	6.72*
>C12-C16 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		4.94	<4.58*	10.3*	8.20*
>C16-C21 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	4	mg/kg^	U		4.79	<4.58*	6.41*	5.96*
>C21-C35 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	10	mg/kg^	U		64.4	<11.5*	13.2*	<12.0*
Total TPH >C8-C40 (Aromatic) EH_CU_1D_AR	TPHFIDUS (Aromatic)	20	mg/kg^	U		116	<22.9*	50.5*	46.7*
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U		85.4			

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001		002	003	004
					Customer ID	BH01-1-ES-0.10		BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
Analysis	**Method Code**	**MDL**	**Units**	**Accred.**						
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	U			87.2			
1,1,1,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,1,1-Trichloroethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,1,2,2-Tetrachloroethane	VOCHSAS	1	µg/kg^	N			<1	<1	<1	<1
1,1,2-Trichloroethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,1-Dichloroethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,1-Dichloroethene	VOCHSAS	1	µg/kg^	U			<1	<1*	<1*	<1*
1,1-Dichloropropene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2,3-Trichlorobenzene	VOCHSAS	3	µg/kg^	UM			<3	<4*	<4*	<4*
1,2,3-Trichloropropane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2,4-Trichlorobenzene	VOCHSAS	3	µg/kg^	N			<3	<4	<4	<4
1,2,4-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2-Dibromo-3-chloropropane	VOCHSAS	1	µg/kg^	U			<1	<1*	<1*	<1*
1,2-Dibromoethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2-Dichloroethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,2-Dichloropropane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,3,5-Trimethylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
1,3-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
1,3-Dichloropropane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
1,4-Dichlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
2,2-Dichloropropane	VOCHSAS	2	µg/kg^	UM		<2	<2*	<3*	<3*
2-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
4-Chlorotoluene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Benzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Bromobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Bromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Bromodichloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Bromoform	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Bromomethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Carbon Tetrachloride	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Chlorobenzene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Chloroethane	VOCHSAS	2	µg/kg^	UM		<2	<2*	<3*	<3*
Chloroform	VOCHSAS	1	µg/kg^	UM		1	<1*	<1*	<1*
Chloromethane	VOCHSAS	3	µg/kg^	U		<3	<4*	<4*	<4*
cis 1,2-Dichloroethene	VOCHSAS	5	µg/kg^	UM		<6	<6*	<7*	<7*
cis 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Dibromochloromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*

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mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

					Sample ID	001		002	003	004
					Customer ID	BH01-1-ES-0.10		BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL	SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023	24/05/2023	24/05/2023	24/05/2023	24/05/2023
Analysis	Method Code	MDL	Units	Accred.						
Dibromomethane	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
Dichlorodifluoromethane	VOCHSAS	1	µg/kg^	N			<1	<1	<1	<1
Ethylbenzene	VOCHSAS	2	µg/kg^	UM			<2	<2*	<3*	<3*
Hexachlorobutadiene	VOCHSAS	2	µg/kg^	N			<2	<2	<3	<3
iso-Propylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
m and p-Xylene	VOCHSAS	4	µg/kg^	UM			<4	<5*	<5*	<5*
MTBE	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
Naphthalene	VOCHSAS	5	µg/kg^	UM			<6	<6*	<7*	<7*
n-Butylbenzene	VOCHSAS	1	µg/kg^	U			<1	<1*	<1*	<1*
o-Xylene	VOCHSAS	2	µg/kg^	UM			<2	<2*	<3*	<3*
p-Isopropyltoluene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
Propylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
sec-Butylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
Styrene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
tert-Butylbenzene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
Tetrachloroethene	VOCHSAS	3	µg/kg^	UM			<3	<4*	<4*	<4*
Toluene	VOCHSAS	5	µg/kg^	UM			<6	<6*	<7*	<7*
trans 1,2-Dichloroethene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*
trans 1,3-Dichloropropene	VOCHSAS	1	µg/kg^	UM			<1	<1*	<1*	<1*

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

UKAS TESTING 1252

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004
					Customer ID	BH01-1-ES-0.10	BH01-2-ES-0.30	BH01-3-ES-0.50	BH01-8-ES-1.00
					Sample Type	LPL / SOLID	SOLID	SOLID	SOLID
					Sampling Date	24/05/2023 / 24/05/2023	24/05/2023	24/05/2023	24/05/2023
Trichloroethene	VOCHSAS	1	µg/kg^	U		<1	<1*	<1*	<1*
Trichlorofluoromethane	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Vinyl Chloride	VOCHSAS	1	µg/kg^	UM		<1	<1*	<1*	<1*
Total Moisture at 35°C	CLANDPREP	0.1	%	N		8.9	12.7	17.1	16.7
Description of Solid Material	CLANDPREP		-	N		SILT	CHALK	CHALK	CHALK
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N		0.090			
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N		82.5			
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N		0			
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N		0.891			
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N		0.099			
WAC Report	WAC		-	N		See Attached			
Asbestos Identification	SUB020		-	N		NAIIS	NAIIS	NAIIS	NAIIS

working for a healthy and sustainable world

CERTIFICATE OF ANALYSIS

ANALYSIS REQUESTED BY: SOCOTEC UK Ltd
Environmental Chemistry
PO Box 100
Burton upon Trent
Staffordshire
DE15 0XD

CONTRACT NO: S34303-3

DATE OF ISSUE: 10.07.23

DATE SAMPLES RECEIVED: 03.07.23

DATE ANALYSIS COMPLETED: 10.07.23

DESCRIPTION: Four soil/loose aggregate samples each weighing approximately 0.9-1.3kg.

ANALYSIS REQUESTED: Qualitative and quantitative analysis of soil/loose aggregate samples for mass determination of asbestos.

METHODS:

Qualitative - The samples were analysed qualitatively for asbestos by polarised light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative - The analysis was carried out using our documented in-house method based on HSE Contract Research Report No. 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies *et al*, 1996) and HSG 248. Our method includes initial examination of the entire sample, detailed analysis of a representative sub-sample and quantification by hand picking/weighing and/or fibre counting/sizing as appropriate.

RESULTS:

Initial Screening

No asbestos was detected in any of the soil samples by stereo-binocular and polarised light microscopy.

A summary of the results is given in Table 1.

www.iom-world.org
Registered Address: Research Avenue North, Riccarton, Edinburgh, EH14 4AP, United Kingdom
Tel: 0131 449 8000 Fax: 0131 449 8084 Email: iom@iom-world.org
IOM CONSULTING LIMITED, registered in Scotland No. SC205670

UKAS TESTING
0374

CONTRACT NO: S34303-3
DATE OF ISSUE: 10.07.23

RESULTS: (cont.)

Table 1: Qualitative Results

SOCOTEC Job I.D: 23063335

IOM sample number	SOCOTEC Sample ID	Client Sample ID	ACM type detected	PLM result
S34303-3	23063335-001	BH01-1-ES-0.10	-	No Asbestos Detected
S34303-4	23063335-002	BH01-2-ES-0.30	-	No Asbestos Detected
S34303-5	23063335-003	BH01-3-ES-0.50	-	No Asbestos Detected
S34303-6	23063335-004	BH01-8-ES-1.00	-	No Asbestos Detected

Our detection limit for this method is 0.001%.

COMMENTS:

IOM Consulting cannot accept responsibility for samples that have been incorrectly collected or despatched by external clients.

Any opinions and interpretations expressed herein are out with the scope of our UKAS accreditation.

AUTHORISED BY: .....
D Third
Laboratory Analyst

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	SOCOTEC Geotechnical	
Site	E3027-23	
Project	23063335	
Sample No	Sample Description	Issue Date
23063335-001	BH01-1-ES-0.10	14/07/2023

Leaching Data	
Weight of Sample (kg)	0.099
Moisture content @ 105°C (% Wet Weight)	8.8
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (ltres)	0.891
Fraction of sample above 4mm %	82.5
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	0.81	3	5	6
N	LOI450	Loss on Ignition (%)	1.5			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.066	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.038	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	85.4	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<1.49	100		
UM	PHSOIL	pH (pH Units)	9.7		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	12.7		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
					Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
			mg/l except **	mg/kg (dry wt)			
N	WSLM3**	pH (pH Units)	9.1				
N	WSLM2**	Conductivity (µS/cm)	<100				
U	ICPMSW	Arsenic	0.002	0.02	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	<0.001	<0.01	0.5	10	70
U	ICPMSW	Copper	0.002	0.02	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	<0.001	<0.01	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	<0.001	<0.01	0.06	0.7	5
U	ICPMSW	Selenium	0.003	0.03	0.1	0.5	7
U	ICPMSW	Zinc	0.002	<0.02	4	50	200
U	KONENS	Chloride	<1	<10	800	15000	25000
U	ISEF	Fluoride	0.1	<1	10	150	500
U	ICPWATVAR	Sulphate as SO4	<3	<30	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	1.83	18.3	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.
Calculated data is not UKAS accredited
Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BH01-1-ES-0.10	23063335-001	**BTEXHSA**						✓
BH01-1-ES-0.10	23063335-001	**CLANDPREP**						✓
BH01-1-ES-0.10	23063335-001	**GROHSA/BTEXHSA**						✓
BH01-1-ES-0.10	23063335-001	**ICPBOR**						✓
BH01-1-ES-0.10	23063335-001	**PAHMSUS**						✓
BH01-1-ES-0.10	23063335-001	**PCBECD**						✓
BH01-1-ES-0.10	23063335-001	**PHSOIL**						✓
BH01-1-ES-0.10	23063335-001	**SVOCSW**						✓
BH01-1-ES-0.10	23063335-001	**TPHFIDUS (Aliphatic)**						✓
BH01-1-ES-0.10	23063335-001	**TPHFIDUS (Aromatic)**						✓
BH01-1-ES-0.10	23063335-001	**VOCHSAS**						✓
BH01-1-ES-0.10	23063335-001	**WSLM59**						✓
BH01-1-ES-0.10	23063335-001	**WSLM59**						✓
BH01-2-ES-0.30	23063335-002	**BTEXHSA**						✓
BH01-2-ES-0.30	23063335-002	**CLANDPREP**						✓
BH01-2-ES-0.30	23063335-002	**GROHSA/BTEXHSA**						✓
BH01-2-ES-0.30	23063335-002	**ICPBOR**						✓
BH01-2-ES-0.30	23063335-002	**PAHMSUS**						✓
BH01-2-ES-0.30	23063335-002	**PCBECD**						✓
BH01-2-ES-0.30	23063335-002	**SVOCSW**						✓
BH01-2-ES-0.30	23063335-002	**TPHFIDUS (Aliphatic)**						✓
BH01-2-ES-0.30	23063335-002	**TPHFIDUS (Aromatic)**						✓
BH01-2-ES-0.30	23063335-002	**VOCHSAS**						✓
BH01-2-ES-0.30	23063335-002	**WSLM59**						✓
BH01-3-ES-0.50	23063335-003	**BTEXHSA**						✓
BH01-3-ES-0.50	23063335-003	**CLANDPREP**						✓
BH01-3-ES-0.50	23063335-003	**GROHSA/BTEXHSA**						✓
BH01-3-ES-0.50	23063335-003	**ICPBOR**						✓
BH01-3-ES-0.50	23063335-003	**PAHMSUS**						✓
BH01-3-ES-0.50	23063335-003	**PCBECD**						✓
BH01-3-ES-0.50	23063335-003	**SVOCSW**						✓
BH01-3-ES-0.50	23063335-003	**TPHFIDUS (Aliphatic)**						✓
BH01-3-ES-0.50	23063335-003	**TPHFIDUS (Aromatic)**						✓

BH01-3-ES-0.50	23063335-003	**VOCHSAS**						✓
BH01-3-ES-0.50	23063335-003	**WSLM59**						✓
BH01-8-ES-1.00	23063335-004	**BTEXHSA**						✓
BH01-8-ES-1.00	23063335-004	**CLANDPREP**						✓
BH01-8-ES-1.00	23063335-004	**GROHSA/BTEXHSA**						✓
BH01-8-ES-1.00	23063335-004	**ICPBOR**						✓
BH01-8-ES-1.00	23063335-004	**PAHMSUS**						✓
BH01-8-ES-1.00	23063335-004	**PCBECD**						✓
BH01-8-ES-1.00	23063335-004	**SVOCSW**						✓
BH01-8-ES-1.00	23063335-004	**TPHFIDUS (Aliphatic)**						✓
BH01-8-ES-1.00	23063335-004	**TPHFIDUS (Aromatic)**						✓
BH01-8-ES-1.00	23063335-004	**VOCHSAS**						✓
BH01-8-ES-1.00	23063335-004	**WSLM59**						✓

Client: SOCOTEC Geotechnical
Project Name: E3027-23-E3027-23
Project No: 23063335
Date Issued: 14/07/2023

Analysis Method

Method Code	Method Description	Analysis Method
ANC	ANC: Acid Neutralisation Capacity (mol/kg)	Air Dried & Ground
BTEXHSA	BTEX by GCFID	As Received
BTEXHSA	BTEX for WAC by GCFID	As Received
CALC_CR3	Chromium III (Trivalent) (Calc)	Air Dried & Ground
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	DW35 - CLand Prep and Dry Weight Correction to 35°C	As Received
GROHSA/BTEXHSA	GRO CWG (C5-C10) Ali/Aro Split	As Received
ICPBOR	Boron (Water Soluble) by ICPOES	Air Dried & Ground
ICPMSS	Arsenic in Solids by ICPMS	Air Dried & Ground
ICPMSS	Cadmium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Chromium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Copper in Solids by ICPMS	Air Dried & Ground
ICPMSS	Lead in Solids by ICPMS	Air Dried & Ground
ICPMSS	Mercury in Solids by ICPMS	Air Dried & Ground
ICPMSS	Nickel in Solids by ICPMS	Air Dried & Ground
ICPMSS	Selenium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Vanadium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Zinc in Solids by ICPMS	Air Dried & Ground
ICPMSW (Dissolved)	Antimony (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Antimony in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Arsenic (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Arsenic in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Cadmium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Cadmium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Chromium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Chromium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Copper (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Copper in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Lead (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Lead in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Mercury (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Mercury in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Molybdenum (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Molybdenum in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Nickel (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Nickel in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Selenium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Selenium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Zinc (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Zinc in Solids (BSEN 12457-2)	Filtered
ICPSOIL	Potassium in Solids by ICPOES	Air Dried & Ground
ICPWATVAR (Dissolved)	Barium (Diss.) in Lab Leachate by ICPOES	Filtered
ICPWATVAR (Dissolved)	Barium in Solids (BSEN 12457-2)	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 (Diss.) in Lab Leachate	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 in Solids (BSEN 12457-2)	Filtered
ISEF	Fluoride by ISE	Filtered
ISEF	Fluoride in Solids (BSEN 12457-2)	Filtered
KONENS	Chloride by Colorimetry	Filtered
KONENS	Chloride in Solids (BSEN 12457-2)	Filtered
KONENS	Chromium VI (Hexavalent) by Colorimetry	Air Dried & Ground

Leachate Prep CEN 10:1	WAC Leachate Prep, 1-Stage 10:1 (BSEN 12457-2)	As Received
LOI(%MM)	LOI: Loss on Ignition @ 450°C	Air Dried & Ground
PAHMSUS	16 PAHs by GCMS	As Received
PAHMSUS	17 PAHs (inc. Coronene) for WAC by GCMS	As Received
PCBECD	PCBs, ICES 7 Congeners	As Received
PCBECD	PCBs, ICES 7 Congeners inc. Total Calculation	As Received
PHCONDW	Electrical Conductivity @ 25°C	Filtered
PHCONDW	pH	Filtered
PHCONDW	TDS: Total Dissolved Solids (Calc)	Filtered
PHCONDW	Total Dissolved Solids in Solids (BSEN 12457-2)	Filtered
PHSOIL	pH (2.5:1)	As Received
SFAPI	Phenol Index (Total) by SFA	Filtered
SFAPI	Phenol Index in Solids (BSEN 12457-2)	Filtered
SUB020	Asbestos Stage 1 (with Stage 2+3 Trigger)	
SVOCSW	SVOCs (Target List) by GCMS	As Received
TOCW	LOC: Leached Organic Carbon	Filtered
TPHFIDUS (Aliphatic)	TPH (>C8-C40) Aliphatic and Carbon Band (>C10-C40)	As Received
TPHFIDUS (Aliphatic)	TPH (CWG) Aliphatic Split with Carbon Banding	As Received
TPHFIDUS (Aromatic)	TPH (CWG) Aromatic Split with Carbon Banding	As Received
VOCHSAS	VOCs (Target List) by GCMS	As Received
WAC	WAC Report	
WSLM13	Leached Organic Carbon in Solids (BSEN 12457-2)	Filtered
WSLM59	SOM: Soil Organic Matter (%) (Calc)	Air Dried & Ground
WSLM59	TOC: Total Organic Carbon	Air Dried & Ground

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

Client:	SOCOTEC Geotechnical
Project Name:	E3027-23-E3027-23
Project No:	23063335
Date Issued:	14/07/2023

HWOL Acronym Key

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 35° C.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° C.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

IS = Insufficient Sample to complete analysis
NA = Sample is not amenable for the required analysis
ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis

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.

FYRSS-ZZUHO-98815

Job name

E3027-23 PROJECT 3CR, ROYSTON

Description/Comments

Project

E3027-23

Site

PROJECT 3CR, ROYSTON

Classified by

Name:
Maria Tsamaki
Date:
21 Jul 2023 10:09 GMT
Telephone:
01926 819400

Company:
SOCOTEC UK Limited
SOCOTEC Central, Leofric Business Park, Progress Close,
Coventry
CV3 2TF

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: **CERTIFIED**

Course	**Date**
Hazardous Waste Classification	08 Jun 2023

Next 3 year Refresher due by Jun 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

ROYSTON **Post Code** N/A

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Construction of a new annex building

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

Waste to be generated during the earthworks for the construction of a new annex building

Description of the waste

Made Ground and natural soils

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH03	0.2	Non Hazardous		3
2	BH03[2]	0.5	Non Hazardous		9
3	BH03[3]	1	Non Hazardous		15
4	TP01	0.1	Non Hazardous		21
5	TP01[2]	0.3	Non Hazardous		27
6	TP01[3]	0.5	Non Hazardous		33
7	TP01[4]	1	Non Hazardous		39
8	TP02	0.1	Non Hazardous		45
9	TP02[2]	0.3	Non Hazardous		47
10	TP02[3]	0.5	Non Hazardous		53
11	TP02[4]	1.5	Non Hazardous		59
12	TP03	0.1	Non Hazardous		65
13	TP03[2]	0.3	Non Hazardous		71
14	TP03[3]	0.5	Non Hazardous		73
15	TP03[4]	1.5	Non Hazardous		79
16	BH02	0.1	Non Hazardous		85
17	BH02[2]	0.3	Non Hazardous		91
18	BH02[3]	0.5	Non Hazardous		97
19	BH02[4]	1	Non Hazardous		103
20	BH04	0.1	Non Hazardous		109
21	BH04[2]	0.3	Non Hazardous		115
22	BH04[3]	0.6	Non Hazardous		121
23	BH04[4]	1	Non Hazardous		127

Related documents

#	Name	Description
1	NOR3001-068	waste stream template used to create this Job

Report

Created by: Maria Tsamaki

Created date: 21 Jul 2023 10:09 GMT

Classification of sample: BH03

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

Sample details

Sample name:
BH03
Sample Depth:
0.2 m
Moisture content:
2.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.1 mg/kg	1.32	2.773 mg/kg	0.000277 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.6 mg/kg	1.462	14.031 mg/kg	0.0014 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.8 mg/kg	1.126	13.285 mg/kg	0.00133 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	19.2 mg/kg	1.56	29.948 mg/kg	0.00192 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		10 mg/kg	2.976	29.763 mg/kg	0.00298 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		46.3 mg/kg	2.774	128.443 mg/kg	0.0128 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		41.2 mg/kg	1.785	73.55 mg/kg	0.00735 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	pH			PH		9.1 pH		9.1 pH	9.1 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<5.1 mg/kg		<5.1 mg/kg	<0.00051 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		TPH (C6 to C40) petroleum group				202.414	mg/kg		202.414	mg/kg	0.0202 %		
				TPH									
20		acenaphthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-469-6	83-32-9									
21		acenaphthylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-917-1	208-96-8									
22		anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			204-371-1	120-12-7									
23		benzo[a]anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
24		benzo[a]pyrene; benzo[def]chrysene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
25		benzo[b]fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
26		benzo[ghi]perylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-883-8	191-24-2									
27		benzo[k]fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
28		chrysene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		coronene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-881-7	191-07-1									
30		dibenz[a,h]anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
31		fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
32		fluorene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-893-2	193-39-5									
34		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-581-5	85-01-8									
36		pyrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			204-927-3	129-00-0									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
39		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
40		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
41		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
42		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-025-00-8	200-864-0	75-35-4									
44		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6									
45	●	1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
			201-757-1	87-61-6									
46		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-062-00-X	202-486-1	96-18-4									
47		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
48		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
49		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
50		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-010-00-6	203-444-5	106-93-4									
51		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
52		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-012-00-7	203-458-1	107-06-2									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-020-00-0	201-152-2	78-87-5									
54		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-025-00-5	203-604-4	108-67-8									
55		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
56	●	1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			205-531-3	142-28-9									
57		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
58	●	2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
			209-832-0	594-20-7									
59		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-060-00-9	203-623-8	108-86-1									
61	●	bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-826-3	74-97-5									
62	●	bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-856-7	75-27-4									
63		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
64		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-002-00-2	200-813-2	74-83-9									
65		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5									
66		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7									
67		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
68		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-006-00-4	200-663-8	67-66-3									
69		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
71		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
72		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
73		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
74		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
75		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
78		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
79		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
80		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
81		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
82		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
83		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
84		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
85		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
86		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
87		2,4,5-trichlorophenol				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		2,4-dichlorophenol				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4-dinitrophenol				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
92		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
93		2,6-dinitrotoluene				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			202-078-3	91-57-6									
96		2-nitrophenol				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			201-857-5	88-75-5									
97		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<10.2	mg/kg		<10.2	mg/kg	<0.00102 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
98		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<82.2	mg/kg		<82.2	mg/kg	<0.00822 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
99		DNOC (ISO); 4,6-dinitro-o-cresol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
100		4-bromophenylphenylether				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			202-952-4	101-55-3									
101		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
102		4-chloroaniline				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<30.8	mg/kg		<30.8	mg/kg	<0.00308 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
104		4-chlorophenylphenylether				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			230-281-7	7005-72-3									
105		4-nitrophenol; p-nitrophenol				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
106		benzoic acid				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
107		benzyl alcohol				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
108		biphenyl; diphenyl				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
109		bis(2-chloroethoxy)methane				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			203-920-2	111-91-1									
110		bis(2-chloroethyl) ether				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
111		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
112		BBP; benzyl butyl phthalate				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		dibenzofuran				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			205-071-3	132-64-9									
114		diethyl phthalate				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			201-550-6	84-66-2									
115		dimethyl phthalate				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
			205-011-6	131-11-3									
116		dibutyl phthalate; DBP				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
117		di-n-octyl phthalate				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			204-214-7	117-84-0									
118		hexachlorobenzene				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<LOD
		602-065-00-6	204-273-9	118-74-1									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachlorocyclopentadiene				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
120		hexachloroethane				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<**LOD**
			200-666-4	67-72-1									
121		3,5,5-trimethylcyclohex-2-enone; isophorone				<5.1	mg/kg		<5.1	mg/kg	<0.00051 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
122		nitrobenzene				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
123		nitrosodipropylamine				<46.2	mg/kg		<46.2	mg/kg	<0.00462 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
124		pentachlorophenol				<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
125		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
126		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
127		potassium { potassium }				1670	mg/kg		1670	mg/kg	0.167 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.27 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0202%)

Classification of sample: BH03[2]

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

Sample details

Sample name:
BH03[2]
Sample Depth:
0.5 m
Moisture content:
14.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.6	mg/kg	1.32	0.792	mg/kg	0.0000792 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.7	mg/kg	1.462	2.485	mg/kg	0.000248 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.4	mg/kg	1.126	3.828	mg/kg	0.000383 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	2.5	mg/kg	1.56	3.9	mg/kg	0.00025 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5.4	mg/kg	2.976	16.072	mg/kg	0.00161 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		16.6	mg/kg	2.774	46.051	mg/kg	0.00461 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.8	mg/kg	1.785	8.569	mg/kg	0.000857 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				82.216	mg/kg		82.216	mg/kg	0.00822 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<8.8	mg/kg		<8.8	mg/kg	<0.00088 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<5.8	mg/kg		<5.8	mg/kg	<0.00058 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<47	mg/kg		<47	mg/kg	<0.0047 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<17.6	mg/kg		<17.6	mg/kg	<0.00176 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<26.4	mg/kg		<26.4	mg/kg	<0.00264 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0412	mg/kg		<0.0412	mg/kg	<0.00000412 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				513	mg/kg		513	mg/kg	0.0513 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0997 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00822%)

Classification of sample: BH03[3]

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

Sample details

Sample name:
BH03[3]
Sample Depth:
1 m
Moisture content:
14.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.8 mg/kg	1.32	1.056 mg/kg	0.000106 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.5 mg/kg	1.462	2.192 mg/kg	0.000219 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.3 mg/kg	1.126	4.841 mg/kg	0.000484 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	2.4 mg/kg	1.56	3.744 mg/kg	0.00024 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5.3 mg/kg	2.976	15.774 mg/kg	0.00158 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		16.8 mg/kg	2.774	46.606 mg/kg	0.00466 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.7 mg/kg	1.785	8.39 mg/kg	0.000839 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<2.9 mg/kg		<2.9 mg/kg	<0.00029 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				97.418	mg/kg		97.418	mg/kg	0.00974 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<8.8	mg/kg		<8.8	mg/kg	<0.00088 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				0.002	mg/kg		0.002	mg/kg	0.0000002 %		
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<5.8	mg/kg		<5.8	mg/kg	<0.00058 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<47	mg/kg		<47	mg/kg	<0.0047 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<17.6	mg/kg		<17.6	mg/kg	<0.00176 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<5.9	mg/kg		<5.9	mg/kg	<0.00059 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<2.9	mg/kg		<2.9	mg/kg	<0.00029 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<26.4	mg/kg		<26.4	mg/kg	<0.00264 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<14.7	mg/kg		<14.7	mg/kg	<0.00147 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0411	mg/kg		<0.0411	mg/kg	<0.00000411 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				511	mg/kg		511	mg/kg	0.0511 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.101 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00974%)

Classification of sample: TP01

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

Sample details

Sample name:
TP01
Sample Depth:
0.1 m
Moisture content:
7.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.5 mg/kg	3.22	8.05 mg/kg	0.000805 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.5 mg/kg	1.32	7.262 mg/kg	0.000726 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9 mg/kg	1.462	11.546 mg/kg	0.00115 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.2 mg/kg	1.126	13.736 mg/kg	0.00137 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	6.5 mg/kg	1.56	10.139 mg/kg	0.00065 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<**LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		7.7 mg/kg	2.976	22.917 mg/kg	0.00229 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		29.4 mg/kg	2.774	81.56 mg/kg	0.00816 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		22.2 mg/kg	1.785	39.631 mg/kg	0.00396 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
13	phenol	604-001-00-2	203-632-7	108-95-2		<10.8 mg/kg		<10.8 mg/kg	<0.00108 %		<**LOD**
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				276.014	mg/kg		276.014	mg/kg	0.0276 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<32.3	mg/kg		<32.3	mg/kg	<0.00323 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
70	●	dibromochloromethane		204-704-0	124-48-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
71		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
72	●	dichlorodifluoromethane		200-893-9	75-71-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
73	●	hexachlorobutadiene		201-765-5	87-68-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
74		cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
75		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
76	●	n-butylbenzene		203-209-7	104-51-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
77	●	4-isopropyltoluene		202-796-7	99-87-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
78	●	sec-butylbenzene		205-227-0	135-98-8		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
79		styrene	601-026-00-0	202-851-5	100-42-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
80	●	tert-butylbenzene		202-632-4	98-06-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
81		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
83		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
84	●	trichlorofluoromethane		200-892-3	75-69-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
85		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
86		2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4		<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
87		2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2		<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
88		2,4-dichlorophenol	604-011-00-7	204-429-6	120-83-2		<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
90		2,4-dinitrophenol	609-041-00-4	200-087-7	51-28-5		<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<21.5	mg/kg		<21.5	mg/kg	<0.00215 %		<LOD
92		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
93	●	2-chloronaphthalene		202-079-9	91-58-7		<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<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									
94		2-methyl naphthalene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<21.6	mg/kg		<21.6	mg/kg	<0.00216 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<172.2	mg/kg		<172.2	mg/kg	<0.0172 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<21.5	mg/kg		<21.5	mg/kg	<0.00215 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<64.6	mg/kg		<64.6	mg/kg	<0.00646 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<21.5	mg/kg		<21.5	mg/kg	<0.00215 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<21.5	mg/kg		<21.5	mg/kg	<0.00215 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<21.5	mg/kg		<21.5	mg/kg	<0.00215 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<96.9	mg/kg		<96.9	mg/kg	<0.00969 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<53.8	mg/kg		<53.8	mg/kg	<0.00538 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0377	mg/kg		<0.0377	mg/kg	<0.00000377 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				670	mg/kg		670	mg/kg	0.067 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.23 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0276%)

Classification of sample: TP01[2]

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

Sample details

Sample name:
TP01[2]
Sample Depth:
0.3 m
Moisture content:
8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.9	mg/kg	3.22	9.338	mg/kg	0.000934 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		**<LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.7	mg/kg	1.462	12.716	mg/kg	0.00127 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.5	mg/kg	1.126	17.451	mg/kg	0.00175 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	7.6	mg/kg	1.56	11.855	mg/kg	0.00076 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		**<LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		8.8	mg/kg	2.976	26.191	mg/kg	0.00262 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		**<LOD**
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		32.2	mg/kg	2.774	89.328	mg/kg	0.00893 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		23.7	mg/kg	1.785	42.309	mg/kg	0.00423 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		0.1	mg/kg	1.923	0.192	mg/kg	0.0000192 %		
13	pH			PH		9.8	pH		9.8	pH	9.8 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		TPH (C6 to C40) petroleum group				293.014	mg/kg		293.014	mg/kg	0.0293 %		
				TPH									
20		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
21		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
22		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
23		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
24		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
25		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
26		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
27		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
28		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		coronene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-881-7	191-07-1									
30		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
31		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
32		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
34		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
36		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
39		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
40		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
41		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
42		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
44		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
46		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
47		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
48		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
49		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
50		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
51		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
52		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
55		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
56		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
57		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
58		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
59		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
61		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
62		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
63		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
64		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
65		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
66		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
67		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
68		chloroform; trichloromethane				0.001	mg/kg		0.001	mg/kg	0.0000001 %		
		602-006-00-4	200-663-8	67-66-3									
69		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
71		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
72		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
73		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
74		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
75		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
78		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
79		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
80		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
81		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
82		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
83		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
84		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
85		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
86		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
87		2,4,5-trichlorophenol				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		2,4-dichlorophenol				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4-dinitrophenol				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
92		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
93		2,6-dinitrotoluene				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			202-078-3	91-57-6									
96		2-nitrophenol				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			201-857-5	88-75-5									
97		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<21.8	mg/kg		<21.8	mg/kg	<0.00218 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
98		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<173.8	mg/kg		<173.8	mg/kg	<0.0174 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
99		DNOC (ISO); 4,6-dinitro-o-cresol				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
100		4-bromophenylphenylether				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			202-952-4	101-55-3									
101		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
102		4-chloroaniline				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<65.2	mg/kg		<65.2	mg/kg	<0.00652 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
104		4-chlorophenylphenylether				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			230-281-7	7005-72-3									
105		4-nitrophenol; p-nitrophenol				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
106		benzoic acid				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
107		benzyl alcohol				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
108		biphenyl; diphenyl				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
109		bis(2-chloroethoxy)methane				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			203-920-2	111-91-1									
110		bis(2-chloroethyl) ether				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
111		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
112		BBP; benzyl butyl phthalate				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		dibenzofuran				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			205-071-3	132-64-9									
114		diethyl phthalate				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			201-550-6	84-66-2									
115		dimethyl phthalate				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			205-011-6	131-11-3									
116		dibutyl phthalate; DBP				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
117		di-n-octyl phthalate				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
			204-214-7	117-84-0									
118		hexachlorobenzene				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		602-065-00-6	204-273-9	118-74-1									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachlorocyclopentadiene				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
120		hexachloroethane				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
			200-666-4	67-72-1									
121		3,5,5-trimethylcyclohex-2-enone; isophorone				<10.9	mg/kg		<10.9	mg/kg	<0.00109 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
122		nitrobenzene				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
123		nitrosodipropylamine				<97.8	mg/kg		<97.8	mg/kg	<0.00978 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
124		pentachlorophenol				<54.3	mg/kg		<54.3	mg/kg	<0.00543 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
125		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
126		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
127		potassium { potassium }				755	mg/kg		755	mg/kg	0.0755 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.241 %		

Key

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

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because Chromium VI was only detected in two of the 23 no. soil samples collected, at very low concentrations.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00001%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0293%)

Classification of sample: TP01[3]

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

Sample details

Sample name:
TP01[3]
Sample Depth:
0.5 m
Moisture content:
7.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.7 mg/kg	3.22	8.694 mg/kg	0.000869 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		**<LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.2 mg/kg	1.462	13.446 mg/kg	0.00134 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15 mg/kg	1.126	16.888 mg/kg	0.00169 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	7.4 mg/kg	1.56	11.543 mg/kg	0.00074 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		**<LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		8.1 mg/kg	2.976	24.108 mg/kg	0.00241 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		**<LOD**
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		28.8 mg/kg	2.774	79.895 mg/kg	0.00799 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21.9 mg/kg	1.785	39.096 mg/kg	0.00391 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		0.1 mg/kg	1.923	0.192 mg/kg	0.0000192 %		
13	phenol	604-001-00-2	203-632-7	108-95-2		<10.8 mg/kg		<10.8 mg/kg	<0.00108 %		**<LOD**
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				498.015	mg/kg		498.015	mg/kg	0.0498 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<32.5	mg/kg		<32.5	mg/kg	<0.00325 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				0.001	mg/kg		0.001	mg/kg	0.0000001 %		
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<21.6	mg/kg		<21.6	mg/kg	<0.00216 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<173.5	mg/kg		<173.5	mg/kg	<0.0174 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<65	mg/kg		<65	mg/kg	<0.0065 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<21.7	mg/kg		<21.7	mg/kg	<0.00217 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<97.6	mg/kg		<97.6	mg/kg	<0.00976 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<54.2	mg/kg		<54.2	mg/kg	<0.00542 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0379	mg/kg		<0.0379	mg/kg	<0.00000379 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				665	mg/kg		665	mg/kg	0.0665 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.253 %		

Key

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

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because Chromium VI was only detected in two of the 23 no. soil samples collected, at very low concentrations.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00001%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0498%)

Classification of sample: TP01[4]

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

Sample details

Sample name:
TP01[4]
Sample Depth:
1 m
Moisture content:
18.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.4 mg/kg	1.32	0.528 mg/kg	0.0000528 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4 mg/kg	1.126	4.504 mg/kg	0.00045 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.7 mg/kg	1.56	2.652 mg/kg	0.00017 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.8 mg/kg	2.976	14.286 mg/kg	0.00143 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.6 mg/kg	1.785	4.641 mg/kg	0.000464 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				111.318	mg/kg		111.318	mg/kg	0.0111 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0431	mg/kg		<0.0431	mg/kg	<0.00000431 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				428	mg/kg		428	mg/kg	0.0428 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0629 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0111%)

Classification of sample: TP02

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

Sample details

Sample name:
TP02
Sample Depth:
0.1 m
Moisture content:
3.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		pH			PH		9	pH		9	pH	9pH		
2		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
3		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		TPH (C6 to C40) petroleum group			TPH		86.64	mg/kg		86.64	mg/kg	0.00866 %		
7		acenaphthene		201-469-6	83-32-9		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
8		acenaphthylene		205-917-1	208-96-8		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
9		anthracene		204-371-1	120-12-7		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.2	mg/kg		0.2	mg/kg	0.00002 %		
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.28	mg/kg		0.28	mg/kg	0.000028 %		
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.23	mg/kg		0.23	mg/kg	0.000023 %		
13		benzo[ghi]perylene		205-883-8	191-24-2		0.25	mg/kg		0.25	mg/kg	0.000025 %		
14		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.16	mg/kg	0.000016 %		
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.27	mg/kg		0.27	mg/kg	0.000027 %		

#		Determinand			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		coronene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			205-881-7	191-07-1									
17		dibenz[a,h]anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
18		fluoranthene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
			205-912-4	206-44-0									
19		fluorene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			201-695-5	86-73-7									
20		indeno[123-cd]pyrene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-893-2	193-39-5									
21		naphthalene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		phenanthrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			201-581-5	85-01-8									
23		pyrene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
			204-927-3	129-00-0									
24		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.00896 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00866%)

Classification of sample: TP02[2]

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

Sample details

Sample name:
TP02[2]
Sample Depth:
0.3 m
Moisture content:
15.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.5 mg/kg	1.32	0.66 mg/kg	0.000066 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.8 mg/kg	1.126	2.027 mg/kg	0.000203 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.2 mg/kg	1.56	1.872 mg/kg	0.00012 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.4 mg/kg	2.976	13.096 mg/kg	0.00131 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.8 mg/kg	1.785	3.213 mg/kg	0.000321 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				77.416	mg/kg		77.416	mg/kg	0.00774 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0415	mg/kg		<0.0415	mg/kg	<0.00000415 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				297	mg/kg		297	mg/kg	0.0297 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0458 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00774%)

Classification of sample: TP02[3]

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

Sample details

Sample name:
TP02[3]
Sample Depth:
0.5 m
Moisture content:
16.1%
(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: 16.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.5 mg/kg	1.32	0.66 mg/kg	0.000066 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.8 mg/kg	1.126	2.027 mg/kg	0.000203 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.2 mg/kg	1.56	1.872 mg/kg	0.00012 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.6 mg/kg	2.976	13.691 mg/kg	0.00137 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.5 mg/kg	1.785	2.678 mg/kg	0.000268 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				53.819	mg/kg		53.819	mg/kg	0.00538 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0417	mg/kg		<0.0417	mg/kg	<0.00000417 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				299	mg/kg		299	mg/kg	0.0299 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0437 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00538%)

Classification of sample: TP02[4]

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

Sample details

Sample name:
TP02[4]
Sample Depth:
1.5 m
Moisture content:
16.1%
(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: 16.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.6 mg/kg	1.32	0.792 mg/kg	0.0000792 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.7 mg/kg	1.126	1.914 mg/kg	0.000191 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.1 mg/kg	1.56	1.716 mg/kg	0.00011 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.2 mg/kg	2.976	12.5 mg/kg	0.00125 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.5 mg/kg	1.785	2.678 mg/kg	0.000268 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				<52.438	mg/kg		<52.438	mg/kg	<0.00524 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0417	mg/kg		<0.0417	mg/kg	<0.00000417 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				277	mg/kg		277	mg/kg	0.0277 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0412 %		

Key

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

Classification of sample: TP03

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

Sample details

Sample name:
TP03
Sample Depth:
0.1 m
Moisture content:
5.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.5% 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	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.4 mg/kg	1.32	5.809 mg/kg	0.000581 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.9 mg/kg	1.462	20.316 mg/kg	0.00203 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.1 mg/kg	1.126	18.127 mg/kg	0.00181 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	21.3 mg/kg	1.56	33.224 mg/kg	0.00213 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		**<LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14.7 mg/kg	2.976	43.751 mg/kg	0.00438 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.9 mg/kg	1.405	1.265 mg/kg	0.000126 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		54.4 mg/kg	2.774	150.914 mg/kg	0.0151 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33.6 mg/kg	1.785	59.982 mg/kg	0.006 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		**<LOD**
13	phenol	604-001-00-2	203-632-7	108-95-2		<10.6 mg/kg		<10.6 mg/kg	<0.00106 %		**<LOD**
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				410.014	mg/kg		410.014	mg/kg	0.041 %		
				TPH									
19		acenaphthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<31.7	mg/kg		<31.7	mg/kg	<0.00317 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
			205-912-4	206-44-0									
31		fluorene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-893-2	193-39-5									
33		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			201-581-5	85-01-8									
35		pyrene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<169.3	mg/kg		<169.3	mg/kg	<0.0169 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<63.5	mg/kg		<63.5	mg/kg	<0.00635 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<21.2	mg/kg		<21.2	mg/kg	<0.00212 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<10.6	mg/kg		<10.6	mg/kg	<0.00106 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<95.2	mg/kg		<95.2	mg/kg	<0.00952 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<52.9	mg/kg		<52.9	mg/kg	<0.00529 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.037	mg/kg		<0.037	mg/kg	<0.0000037 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				1630	mg/kg		1630	mg/kg	0.163 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.351 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

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: TP03[2]

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

Sample details

Sample name:
TP03[2]
Sample Depth:
0.3 m
Moisture content:
5.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.4% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		pH				9.1	pH		9.1	pH	9.1 pH		
				PH									
2		benzene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
3		ethylbenzene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
4		toluene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
5		xylene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		TPH (C6 to C40) petroleum group				100.044	mg/kg		100.044	mg/kg	0.01 %		
				TPH									
7		acenaphthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			201-469-6	83-32-9									
8		acenaphthylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			205-917-1	208-96-8									
9		anthracene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
			204-371-1	120-12-7									
10		benzo[a]anthracene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
		601-033-00-9	200-280-6	56-55-3									
11		benzo[a]pyrene; benzo[def]chrysene				0.57	mg/kg		0.57	mg/kg	0.000057 %		
		601-032-00-3	200-028-5	50-32-8									
12		benzo[b]fluoranthene				0.59	mg/kg		0.59	mg/kg	0.000059 %		
		601-034-00-4	205-911-9	205-99-2									
13		benzo[ghi]perylene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-883-8	191-24-2									
14		benzo[k]fluoranthene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
		601-036-00-5	205-916-6	207-08-9									
15		chrysene				0.49	mg/kg		0.49	mg/kg	0.000049 %		
		601-048-00-0	205-923-4	218-01-9									

#		Determinand			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		coronene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			205-881-7	191-07-1									
17		dibenz[a,h]anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
		601-041-00-2	200-181-8	53-70-3									
18		fluoranthene				0.67	mg/kg		0.67	mg/kg	0.000067 %		
			205-912-4	206-44-0									
19		fluorene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
			201-695-5	86-73-7									
20		indeno[123-cd]pyrene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
			205-893-2	193-39-5									
21		naphthalene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		phenanthrene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			201-581-5	85-01-8									
23		pyrene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			204-927-3	129-00-0									
24		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.0106 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: TP03[3]

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

Sample details

Sample name:
TP03[3]
Sample Depth:
0.5 m
Moisture content:
18.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<0.3 mg/kg	1.32	<0.396 mg/kg	<0.0000396 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.3 mg/kg	1.462	1.9 mg/kg	0.00019 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.1 mg/kg	1.126	3.49 mg/kg	0.000349 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	2.3 mg/kg	1.56	3.588 mg/kg	0.00023 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5 mg/kg	2.976	14.881 mg/kg	0.00149 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.9 mg/kg	1.785	5.177 mg/kg	0.000518 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				<54.196	mg/kg		<54.196	mg/kg	<0.00542 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0431	mg/kg		<0.0431	mg/kg	<0.00000431 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				417	mg/kg		417	mg/kg	0.0417 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0561 %		

Key

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

Classification of sample: TP03[4]

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

Sample details

Sample name:
TP03[4]
Sample Depth:
1.5 m
Moisture content:
18.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<0.3 mg/kg	1.32	<0.396 mg/kg	<0.0000396 %		<LOD
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		2.2 mg/kg	1.126	2.477 mg/kg	0.000248 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.6 mg/kg	1.56	2.496 mg/kg	0.00016 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.2 mg/kg	2.976	12.5 mg/kg	0.00125 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.5 mg/kg	1.785	2.678 mg/kg	0.000268 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				<54.079	mg/kg		<54.079	mg/kg	<0.00541 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				0.0468	mg/kg		0.0468	mg/kg	0.00000468 %		
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				346	mg/kg		346	mg/kg	0.0346 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0483 %		

Key

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

Classification of sample: BH02

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

Sample details

Sample name:
BH02
Sample Depth:
0.1 m
Moisture content:
7.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.5	mg/kg	3.22	4.83	mg/kg	0.000483 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.9	mg/kg	1.32	7.79	mg/kg	0.000779 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.8	mg/kg	1.462	24.554	mg/kg	0.00246 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.5	mg/kg	1.126	18.577	mg/kg	0.00186 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20.6	mg/kg	1.56	32.132	mg/kg	0.00206 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<**LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		16.1	mg/kg	2.976	47.918	mg/kg	0.00479 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		49.3	mg/kg	2.774	136.765	mg/kg	0.0137 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34.6	mg/kg	1.785	61.767	mg/kg	0.00618 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
13	pH			PH		9.5	pH		9.5	pH	9.5 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		TPH (C6 to C40) petroleum group				382.014	mg/kg		382.014	mg/kg	0.0382 %		
				TPH									
20		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
21		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
22		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
23		benzo[a]anthracene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
		601-033-00-9	200-280-6	56-55-3									
24		benzo[a]pyrene; benzo[def]chrysene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
		601-032-00-3	200-028-5	50-32-8									
25		benzo[b]fluoranthene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
		601-034-00-4	205-911-9	205-99-2									
26		benzo[ghi]perylene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			205-883-8	191-24-2									
27		benzo[k]fluoranthene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		601-036-00-5	205-916-6	207-08-9									
28		chrysene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
		601-048-00-0	205-923-4	218-01-9									
29		coronene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
			205-881-7	191-07-1									
30		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
31		fluoranthene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			205-912-4	206-44-0									
32		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			205-893-2	193-39-5									
34		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			201-581-5	85-01-8									
36		pyrene				0.83	mg/kg		0.83	mg/kg	0.000083 %		
			204-927-3	129-00-0									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
39		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
40		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
41		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
42		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
44		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
46		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
47		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
48		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
49		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
50		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
51		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
52		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
55		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
56		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
57		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
58		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
59		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
61		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
62		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
63		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
64		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
65		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
66		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
67		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
68		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
69		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
71		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
72		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
73		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
74		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
75		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
78		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
79		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
80		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
81		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
82		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
83		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
84		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
85		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
86		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
87		2,4,5-trichlorophenol				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		2,4-dichlorophenol				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4-dinitrophenol				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
92		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
93		2,6-dinitrotoluene				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			202-078-3	91-57-6									
96		2-nitrophenol				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			201-857-5	88-75-5									
97		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
98		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<86.1	mg/kg		<86.1	mg/kg	<0.00861 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
99		DNOC (ISO); 4,6-dinitro-o-cresol				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
100		4-bromophenylphenylether				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			202-952-4	101-55-3									
101		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
102		4-chloroaniline				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<32.3	mg/kg		<32.3	mg/kg	<0.00323 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
104		4-chlorophenylphenylether				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			230-281-7	7005-72-3									
105		4-nitrophenol; p-nitrophenol				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
106		benzoic acid				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
107		benzyl alcohol				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
108		biphenyl; diphenyl				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
109		bis(2-chloroethoxy)methane				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			203-920-2	111-91-1									
110		bis(2-chloroethyl) ether				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
111		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
112		BBP; benzyl butyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
113		dibenzofuran				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			205-071-3	132-64-9									
114		diethyl phthalate				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			201-550-6	84-66-2									
115		dimethyl phthalate				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			205-011-6	131-11-3									
116		dibutyl phthalate; DBP				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
117		di-n-octyl phthalate				<10.8	mg/kg		<10.8	mg/kg	<0.00108 %		<LOD
			204-214-7	117-84-0									
118		hexachlorobenzene				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		602-065-00-6	204-273-9	118-74-1									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachlorocyclopentadiene				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
120		hexachloroethane				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
			200-666-4	67-72-1									
121		3,5,5-trimethylcyclohex-2-enone; isophorone				<5.4	mg/kg		<5.4	mg/kg	<0.00054 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
122		nitrobenzene				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
123		nitrosodipropylamine				<48.4	mg/kg		<48.4	mg/kg	<0.00484 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
124		pentachlorophenol				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
125		polychlorobiphenyls; PCB				<0.035	mg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
126		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
127		potassium { potassium }				388	mg/kg		388	mg/kg	0.0388 %		
		019-001-00-2	231-119-8	7440-09-7									
										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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0382%)

Classification of sample: BH02[2]

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

Sample details

Sample name:
BH02[2]
Sample Depth:
0.3 m
Moisture content:
15.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.3 mg/kg	3.22	4.186 mg/kg	0.000419 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.8 mg/kg	1.32	5.017 mg/kg	0.000502 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.5 mg/kg	1.462	10.962 mg/kg	0.0011 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.8 mg/kg	1.126	9.908 mg/kg	0.000991 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.8 mg/kg	1.56	26.205 mg/kg	0.00168 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		8.6 mg/kg	2.976	25.596 mg/kg	0.00256 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		25.1 mg/kg	2.774	69.631 mg/kg	0.00696 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		12 mg/kg	1.785	21.422 mg/kg	0.00214 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				<52.427	mg/kg		<52.427	mg/kg	<0.00524 %		<LOD
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0417	mg/kg		<0.0417	mg/kg	<0.00000417 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				551	mg/kg		551	mg/kg	0.0551 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0783 %		

Key

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

Classification of sample: BH02[3]

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

Sample details

Sample name:
BH02[3]
Sample Depth:
0.5 m
Moisture content:
16.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16.4% 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	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.3	mg/kg	3.22	4.186	mg/kg	0.000419 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4	mg/kg	1.32	5.281	mg/kg	0.000528 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.2	mg/kg	1.462	10.523	mg/kg	0.00105 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.9	mg/kg	1.126	10.02	mg/kg	0.001 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17.5	mg/kg	1.56	27.297	mg/kg	0.00175 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		24.1	mg/kg	2.774	66.857	mg/kg	0.00669 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11.6	mg/kg	1.785	20.708	mg/kg	0.00207 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				54.447	mg/kg		54.447	mg/kg	0.00544 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<9	mg/kg		<9	mg/kg	<0.0009 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<47.9	mg/kg		<47.9	mg/kg	<0.00479 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<18	mg/kg		<18	mg/kg	<0.0018 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<6	mg/kg		<6	mg/kg	<0.0006 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<26.9	mg/kg		<26.9	mg/kg	<0.00269 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<15	mg/kg		<15	mg/kg	<0.0015 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0419	mg/kg		<0.0419	mg/kg	<0.00000419 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		ND
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				1280	mg/kg		1280	mg/kg	0.128 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.182 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00544%)

Classification of sample: BH02[4]

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

Sample details

Sample name:
BH02[4]
Sample Depth:
1 m
Moisture content:
17.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.1 mg/kg	1.32	1.452 mg/kg	0.000145 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		1.6 mg/kg	1.462	2.338 mg/kg	0.000234 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.6 mg/kg	1.126	20.942 mg/kg	0.00209 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	3.1 mg/kg	1.56	4.835 mg/kg	0.00031 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5.8 mg/kg	2.976	17.262 mg/kg	0.00173 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		2.5 mg/kg	1.785	4.463 mg/kg	0.000446 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				54.919	mg/kg		54.919	mg/kg	0.00549 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0424	mg/kg		<0.0424	mg/kg	<0.00000424 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				261	mg/kg		261	mg/kg	0.0261 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.0427 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00549%)

Classification of sample: BH04

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

Sample details

Sample name:
BH04
Sample Depth:
0.1 m
Moisture content:
2.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.8 mg/kg	1.32	3.697 mg/kg	0.00037 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.8 mg/kg	1.462	7.015 mg/kg	0.000702 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.6 mg/kg	1.126	5.179 mg/kg	0.000518 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	6.2 mg/kg	1.56	9.671 mg/kg	0.00062 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.7 mg/kg	2.976	13.988 mg/kg	0.0014 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		108.3 mg/kg	2.774	300.44 mg/kg	0.03 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15.2 mg/kg	1.785	27.135 mg/kg	0.00271 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<10.3 mg/kg		<10.3 mg/kg	<0.00103 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				0.007	mg/kg		0.007	mg/kg	0.0000007 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				128.915	mg/kg		128.915	mg/kg	0.0129 %		
				TPH									
19		acenaphthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<30.8	mg/kg		<30.8	mg/kg	<0.00308 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				0.006	mg/kg		0.006	mg/kg	0.0000006 %		
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				0.003	mg/kg		0.003	mg/kg	0.0000003 %		
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				0.001	mg/kg		0.001	mg/kg	0.0000001 %		
			202-796-7	99-87-6									
78		sec-butylbenzene				0.003	mg/kg		0.003	mg/kg	0.0000003 %		
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<20.5	mg/kg		<20.5	mg/kg	<0.00205 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<20.6	mg/kg		<20.6	mg/kg	<0.00206 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<164.2	mg/kg		<164.2	mg/kg	<0.0164 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<20.5	mg/kg		<20.5	mg/kg	<0.00205 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<61.6	mg/kg		<61.6	mg/kg	<0.00616 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<20.5	mg/kg		<20.5	mg/kg	<0.00205 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<20.5	mg/kg		<20.5	mg/kg	<0.00205 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<20.5	mg/kg		<20.5	mg/kg	<0.00205 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<10.3	mg/kg		<10.3	mg/kg	<0.00103 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<92.4	mg/kg		<92.4	mg/kg	<0.00924 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<51.3	mg/kg		<51.3	mg/kg	<0.00513 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0359	mg/kg		<0.0359	mg/kg	<0.00000359 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				1800	mg/kg		1800	mg/kg	0.18 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.341 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinands:

xylene: (conc.: 7.0e-07%)
TPH (C6 to C40) petroleum group: (conc.: 0.0129%)
mesitylene; 1,3,5-trimethylbenzene: (conc.: 6.0e-07%)
cumene; [1] propylbenzene [2]: (conc.: 3.0e-07%)
4-isopropyltoluene: (conc.: 1.0e-07%)
sec-butylbenzene: (conc.: 3.0e-07%)

Classification of sample: BH04[2]

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

Sample details

Sample name:
BH04[2]
Sample Depth:
0.3 m
Moisture content:
15.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.8	mg/kg	1.32	1.056	mg/kg	0.000106 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		2.8	mg/kg	1.462	4.092	mg/kg	0.000409 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.3	mg/kg	1.126	3.715	mg/kg	0.000372 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5.7	mg/kg	1.56	8.891	mg/kg	0.00057 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<**LOD**
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5.5	mg/kg	2.976	16.369	mg/kg	0.00164 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		18.2	mg/kg	2.774	50.489	mg/kg	0.00505 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		4.8	mg/kg	1.785	8.569	mg/kg	0.000857 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
13	pH			PH		8.8	pH		8.8	pH	8.8 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		TPH (C6 to C40) petroleum group				61.419	mg/kg		61.419	mg/kg	0.00614 %		
				TPH									
20		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
21		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
22		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
23		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
24		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									
25		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
26		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
27		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
30		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									
31		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
32		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
34		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
36		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
37		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
39		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
40		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
41		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
42		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
44		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
45		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
46		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
47		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
48		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
49		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
50		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
51		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
52		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
53		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
54		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
55		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
56		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
57		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
58		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
59		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
60		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
61		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
62		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
63		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
64		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
65		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
66		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
67		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
68		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
69		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
70		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
71		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
72		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
73		dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8							
74		hexachlorobutadiene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3							
75		cumene; [1] propylbenzene [2]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
77		n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8							
78		4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6							
79		sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8							
80		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
81		tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6							
82		tetrachloroethylene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
83		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
84		trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
85		trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4							
86		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
87		2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4							
88		2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2							
89		2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2							
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
91		2,4-dinitrophenol				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5							
92		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
93		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
95		2-methyl naphthalene											
			202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
96		2-nitrophenol											
			201-857-5	88-75-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
97		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
98		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
99		DNOC (ISO); 4,6-dinitro-o-cresol											
		609-020-00-X	208-601-1	534-52-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
100		4-bromophenylphenylether											
			202-952-4	101-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
101		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol											
		604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
102		4-chloroaniline											
		612-137-00-9	203-401-0	106-47-8		<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
103		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]											
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
104		4-chlorophenylphenylether											
			230-281-7	7005-72-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
105		4-nitrophenol; p-nitrophenol											
		609-015-00-2	202-811-7	100-02-7		<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
106		benzoic acid											
		607-705-00-8	200-618-2	65-85-0		<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
107		benzyl alcohol											
		603-057-00-5	202-859-9	100-51-6		<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
108		biphenyl; diphenyl											
		601-042-00-8	202-163-5	92-52-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
109		bis(2-chloroethoxy)methane											
			203-920-2	111-91-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
110		bis(2-chloroethyl) ether											
		603-029-00-2	203-870-1	111-44-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
111		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP											
		607-317-00-9	204-211-0	117-81-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
112		BBP; benzyl butyl phthalate											
		607-430-00-3	201-622-7	85-68-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
113		dibenzofuran											
			205-071-3	132-64-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
114		diethyl phthalate											
			201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
115		dimethyl phthalate											
			205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
116		dibutyl phthalate; DBP											
		607-318-00-4	201-557-4	84-74-2		2	mg/kg		2	mg/kg	0.0002 %		
117		di-n-octyl phthalate											
			204-214-7	117-84-0		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
118		hexachlorobenzene											
		602-065-00-6	204-273-9	118-74-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<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									
119		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-078-00-7	201-029-3	77-47-4									
120		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
121		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
122		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
123		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
124		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
125		polychlorobiphenyls; PCB				<0.0416	mg/kg		<0.0416	mg/kg	<0.00000416 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
126		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
127		potassium { potassium }				1170	mg/kg		1170	mg/kg	0.117 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.134 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00614%)

Classification of sample: BH04[3]

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

Sample details

Sample name:
BH04[3]
Sample Depth:
0.6 m
Moisture content:
14.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.5	mg/kg	3.22	4.83	mg/kg	0.000483 %		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.5	mg/kg	1.32	4.621	mg/kg	0.000462 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.4	mg/kg	1.462	12.277	mg/kg	0.00123 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8	mg/kg	1.126	9.007	mg/kg	0.000901 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16	mg/kg	1.56	24.957	mg/kg	0.0016 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		9.9	mg/kg	2.976	29.465	mg/kg	0.00295 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		26.6	mg/kg	2.774	73.792	mg/kg	0.00738 %		
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14.7	mg/kg	1.785	26.242	mg/kg	0.00262 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				66.014	mg/kg		66.014	mg/kg	0.0066 %		
				TPH									
19		acenaphthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		benzo[a]pyrene; benzo[def]chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
24		benzo[b]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		dibenz[a,h]anthracene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
30		fluoranthene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0412	mg/kg		<0.0412	mg/kg	<0.00000412 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				1140	mg/kg		1140	mg/kg	0.114 %		
		019-001-00-2	231-119-8	7440-09-7									
										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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0066%)

Classification of sample: BH04[4]

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

Sample details

Sample name:
BH04[4]
Sample Depth:
1 m
Moisture content:
17.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		0.4 mg/kg	1.32	0.528 mg/kg	0.0000528 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<1.2 mg/kg	1.462	<1.754 mg/kg	<0.000175 %		<LOD
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		1.6 mg/kg	1.126	1.801 mg/kg	0.00018 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	1.5 mg/kg	1.56	2.34 mg/kg	0.00015 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4.5 mg/kg	2.976	13.393 mg/kg	0.00134 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		<16 mg/kg	2.774	<44.386 mg/kg	<0.00444 %		<LOD
11	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		1.4 mg/kg	1.785	2.499 mg/kg	0.00025 %		
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<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									
15		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
16		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		TPH (C6 to C40) petroleum group				77.719	mg/kg		77.719	mg/kg	0.00777 %		
				TPH									
19		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
22		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
23		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									
24		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
25		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
26		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
27		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		coronene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<LOD
			205-881-7	191-07-1									
29		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									
30		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
31		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
33		naphthalene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
34		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
35		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
36		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
37		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
38		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
41		1,1-dichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
43		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
44		1,2,3-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-757-1	87-61-6									
45		1,2,3-trichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
46		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
47		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
48		1,2-dibromo-3-chloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
49		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
50		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		mesitylene; 1,3,5-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
54		1,3-dichlorbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
57		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
58		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
59		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
61		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
62		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
63		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
64		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
65		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
67		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
69		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
70		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
71		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
72		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
73		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
74		cumene; [1] propylbenzene [2]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
75		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
76		n-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-209-7	104-51-8									
77		4-isopropyltoluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-796-7	99-87-6									
78		sec-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-227-0	135-98-8									
79		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
80		tert-butylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			202-632-4	98-06-6									
81		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
82		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
83		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
84		trichlorofluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-892-3	75-69-4									
85		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
86		2,4,5-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
87		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
88		2,4-dichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
89		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
90		2,4-dinitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-041-00-4	200-087-7	51-28-5									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
92		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
93		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-078-3	91-57-6									
95		2-nitrophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-857-5	88-75-5									
96		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
97		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.9	mg/kg		<1.9	mg/kg	<0.00019 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
98		DNOC (ISO); 4,6-dinitro-o-cresol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-020-00-X	208-601-1	534-52-1									
99		4-bromophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-952-4	101-55-3									
100		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
101		4-chloroaniline				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
102		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
103		4-chlorophenylphenylether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			230-281-7	7005-72-3									
104		4-nitrophenol; p-nitrophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
105		benzoic acid				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		607-705-00-8	200-618-2	65-85-0									
106		benzyl alcohol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		603-057-00-5	202-859-9	100-51-6									
107		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
108		bis(2-chloroethoxy)methane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			203-920-2	111-91-1									
109		bis(2-chloroethyl) ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
110		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
111		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
112		dibenzofuran				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-071-3	132-64-9									
113		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
114		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
115		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
116		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
117		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
118		hexachlorocyclopentadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
119		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
120		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
121		nitrobenzene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
122		nitrosodipropylamine				<1.1	mg/kg		<1.1	mg/kg	<0.00011 %		<**LOD**
		612-098-00-8	210-698-0	621-64-7									
123		pentachlorophenol				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
124		polychlorobiphenyls; PCB				<0.0426	mg/kg		<0.0426	mg/kg	<0.00000426 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
125		asbestos				<			<		<		**ND**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
126		potassium { potassium }				993	mg/kg		993	mg/kg	0.0993 %		
		019-001-00-2	231-119-8	7440-09-7									
										Total:	0.115 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The hazard phase HP 3(i) refers to flammable liquids however as the material is solid and no free product is present this is not applicable and has been discounted from further consideration.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00777%)

Appendix A: Classifier defined and non GB MCL determinands

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

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

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

- **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

- **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

- **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

- **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

- **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

- **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

- **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

- **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

- **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

- **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

bromochloromethane (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

dichlorodifluoromethane (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

hexachlorobutadiene (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

n-butylbenzene (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

4-isopropyltoluene (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Chronic 2; H411

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

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

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

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

potassium (EC Number: 231-119-8, CAS Number: 7440-09-7)

GB MCL index number: 019-001-00-2
Description/Comments:
Additional Hazard Statement(s): Water-react. 1; H260 >= 0.4 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - Water-react. 1; H260 >= 0.4 % hazard statement sourced from: WM3, Table C3.2

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

boron {diboron trioxide; boric oxide}

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

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)

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)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

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

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc chromate}

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

vanadium {divanadium pentaoxide; vanadium pentoxide}

Most likely worst case scenario

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

potassium {potassium}

Chromium VI was only detected in two of the 23 no. soil samples collected, at very low concentrations, so potassium would not be present in its chromate forms. Most relevant species selected.

Appendix C: Version

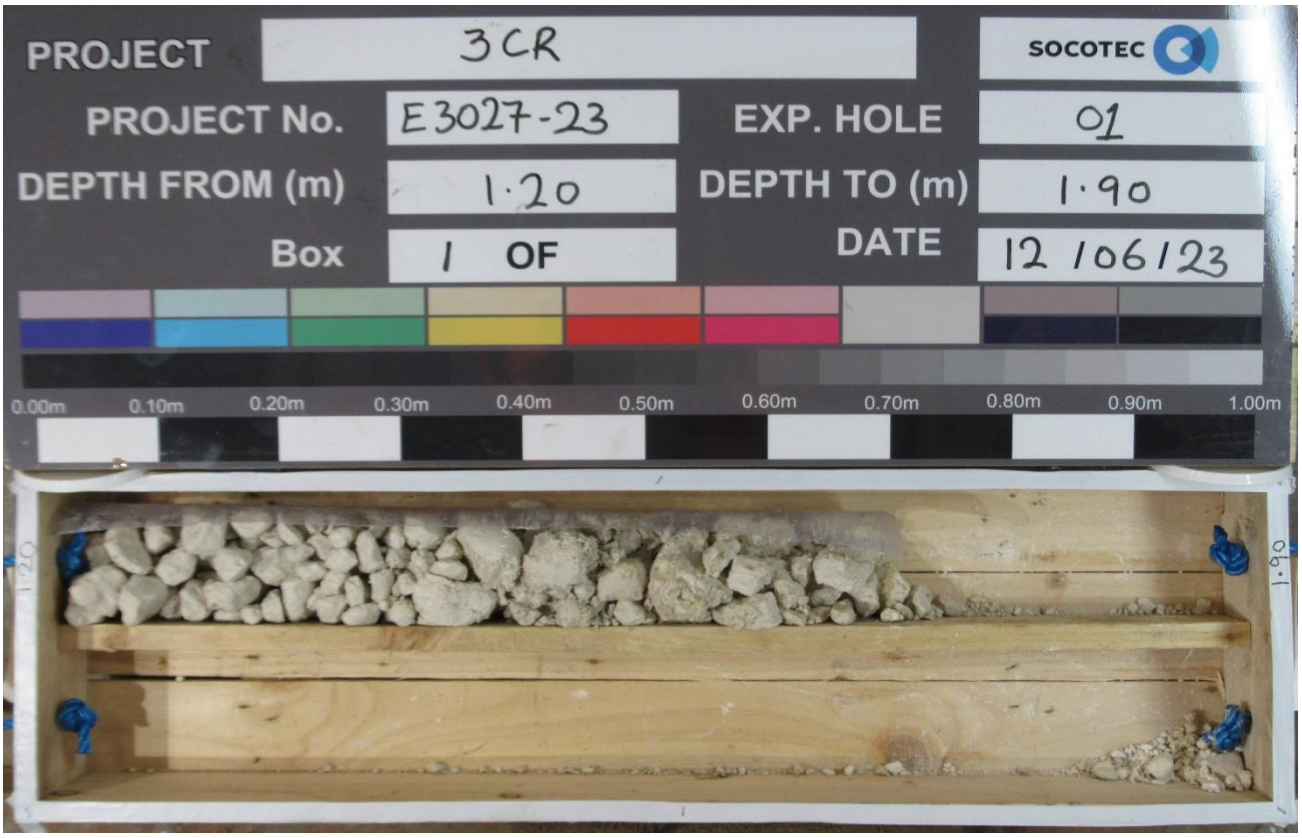
HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.201.5689.10478 (20 Jul 2023)
HazWasteOnline Database: 2023.201.5689.10478 (20 Jul 2023)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

APPENDIX H
PHOTOGRAPHS

Rotary Core Photographs	BH-01 to BH-04
Trial Pit Photographs	TP-01 to TP-03

Photographs



BH-01 Core 1.20 to 1.90m

BH-01 Core 1.90 to 3.40m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs

BH-01 Core 3.40 to 4.90m

BH-01 Core 4.90 to 5.90m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs

BH-01 Core 5.90 to 7.40m

BH-01 Core 7.40 to 8.90m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs

BH-01 Core 8.90 to 10.40m

BH-01 Core 10.40 to 11.90m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs

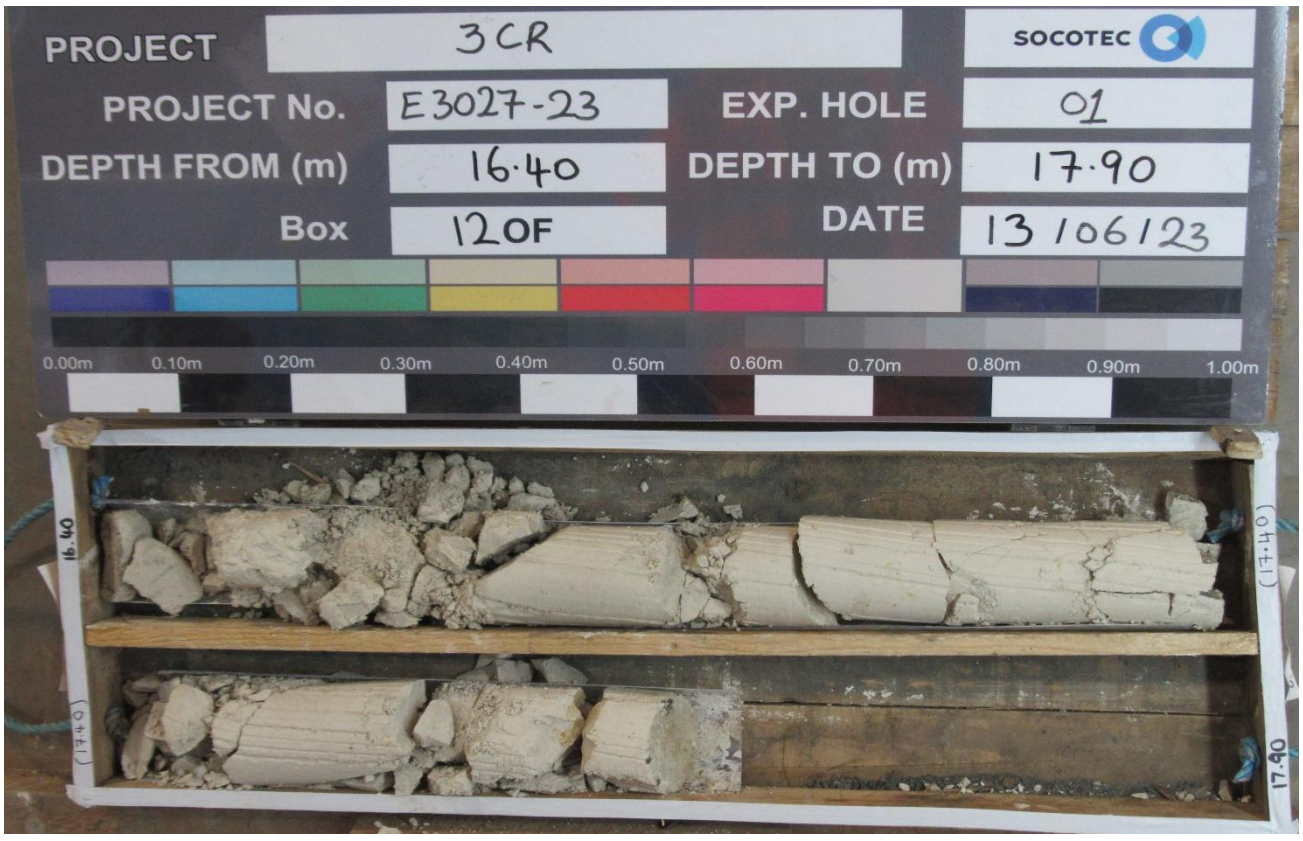
BH-01 Core 11.90 to 13.40m

BH-01 Core 13.40 to 14.90m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs

BH-01 Core 14.90 to 16.40m



BH-01 Core 16.40 to 17.90m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

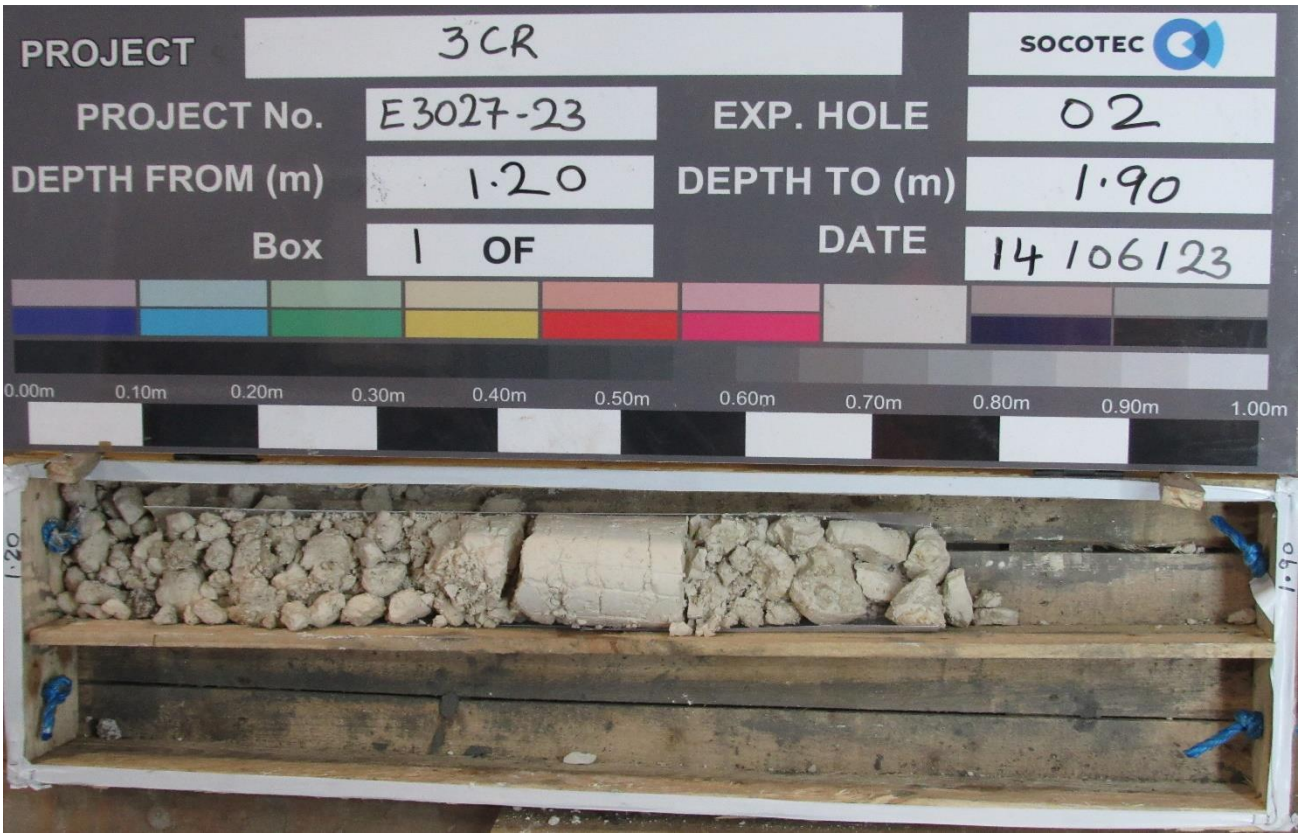
Photographs

BH-01 Core 17.90 to 19.40m

BH-01 Core 19.40 to 20.10m

Notes:	Project	Project 3CR, Royston	BH-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Photographs



BH-02 Core 1.20 to 1.90m

BH-02 Core 3.40 to 4.90m

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-02

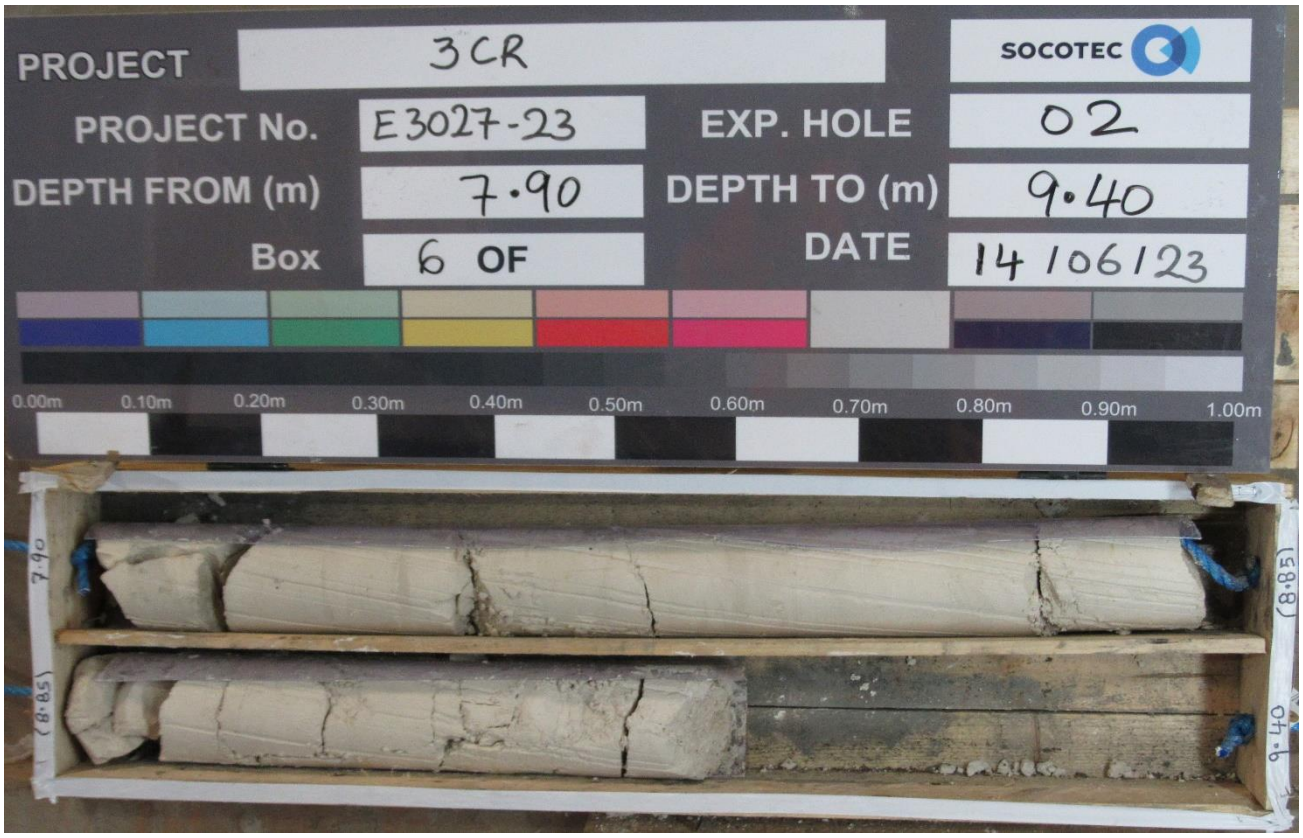
Photographs

BH-02 Core 4.90 to 6.40m

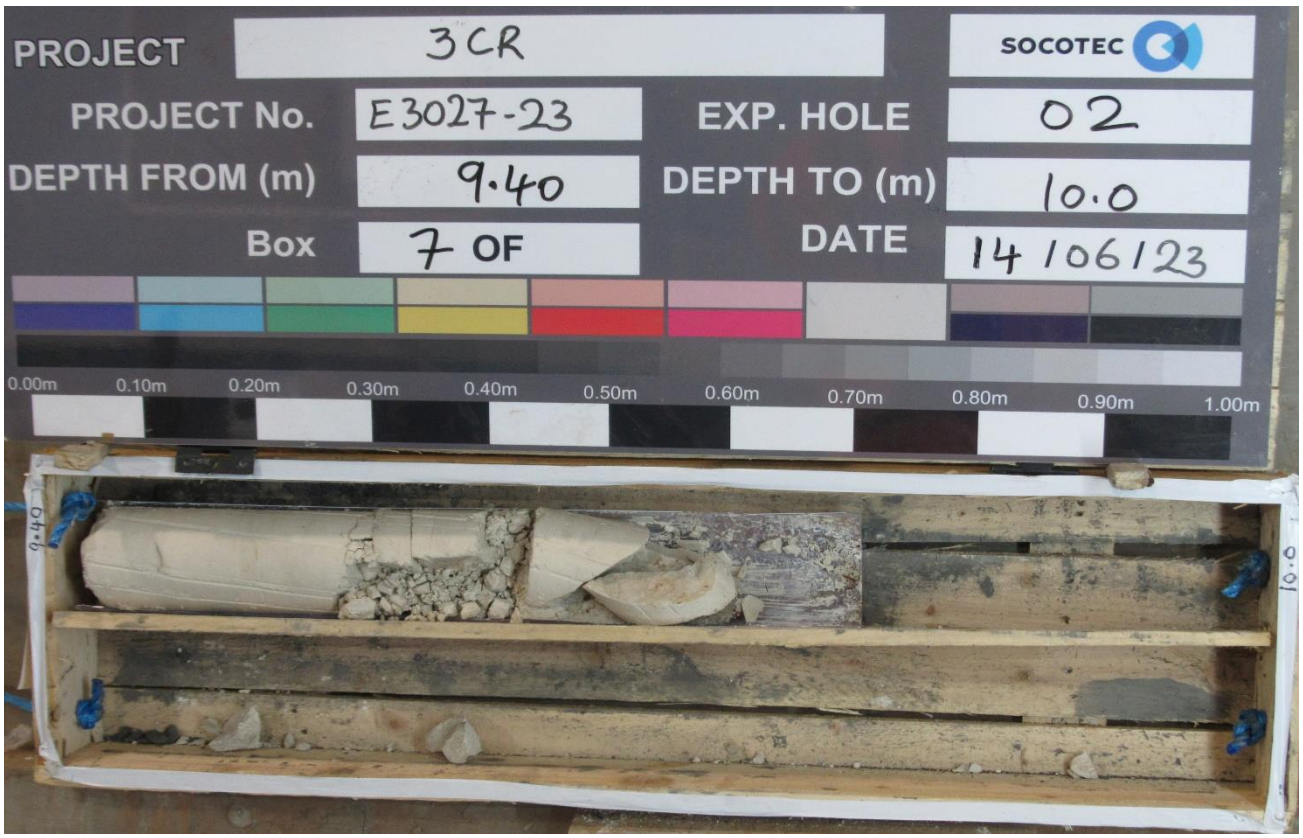
BH-02 Core 6.40 to 7.90m

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-02

Photographs



BH-02 Core 7.90 to 9.40m



BH-02 Core 9.40 to 10.0m

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-02

Core Photographs

BH-03 Core 1.20 to 1.70

BH-03 Core 1.70 to 3.20

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-03

Core Photographs

BH-03 Core 3.20 to 4.60

BH-03 Core 4.60 to 6.10

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-03

Core Photographs

BH-03 Core 6.10 to 7.60

BH-03 Core 7.60 to 9.10

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-03

Core Photographs

BH-03 Core 9.10 to 10.00

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-03

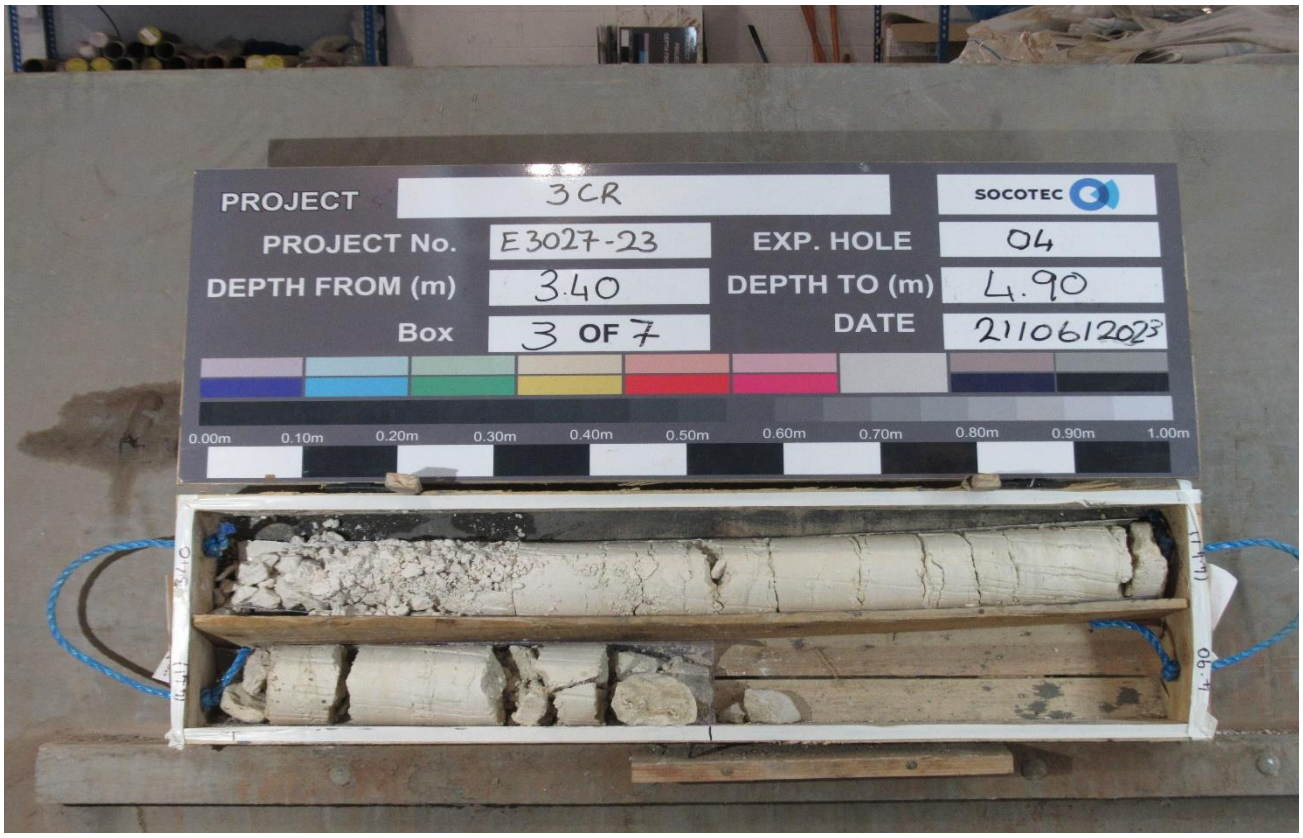
Core Photographs

BH-04 Core 1.20 to 1.90

BH-04 Core 1.90 to 3.40

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-04

Core Photographs



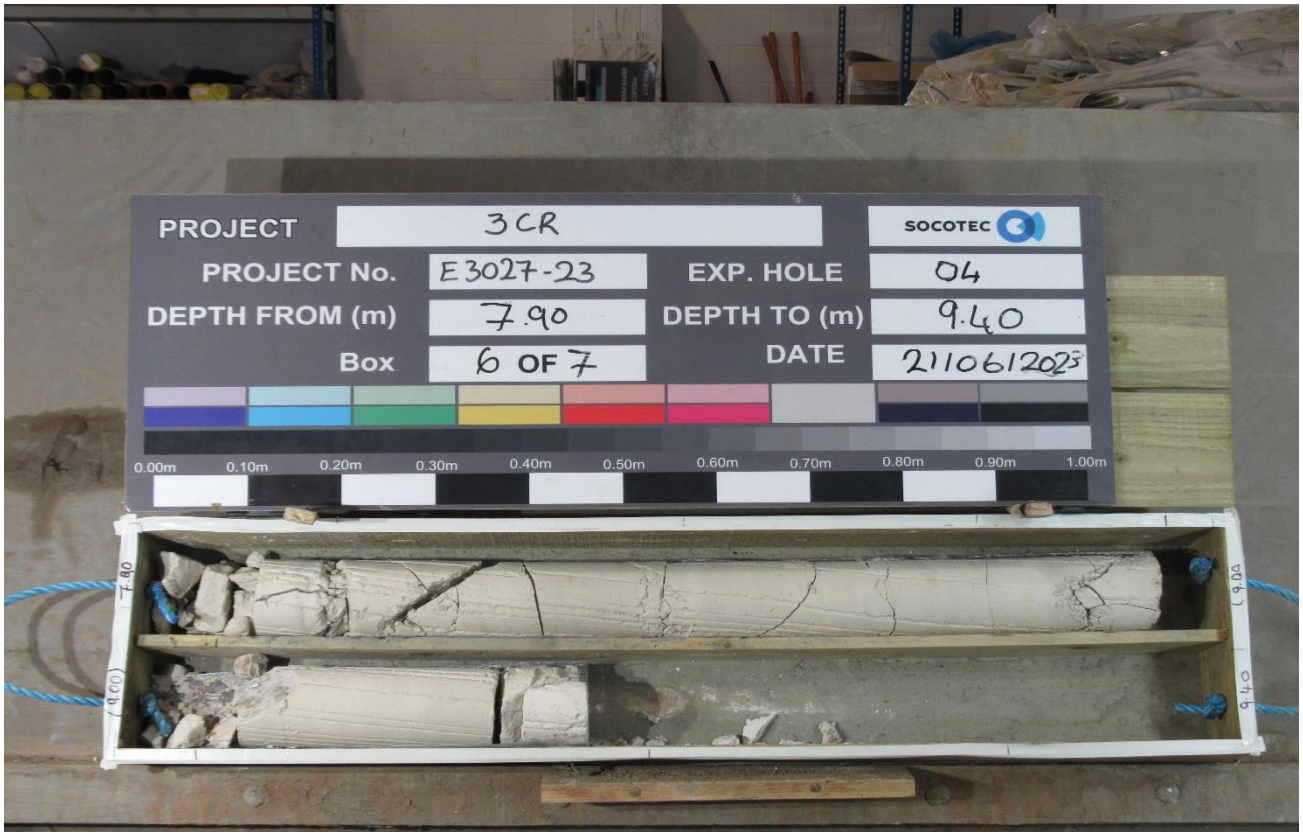
BH-04 Core 3.40 to 4.90

BH-04 Core 4.90 to 6.40

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-04

Core Photographs

BH-04 Core 6.40 to 7.90



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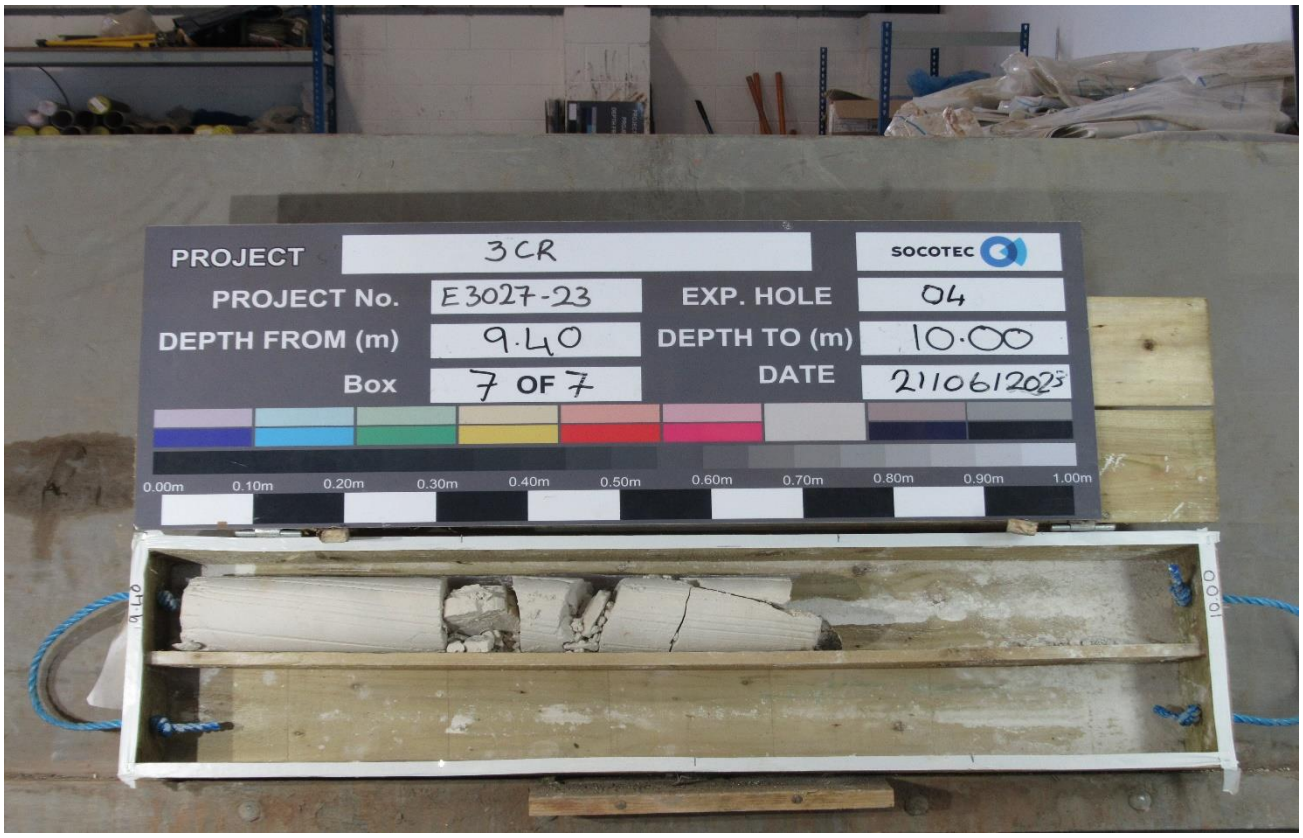
Core Photographs



BH-04 Core 9.40 to 10.00

Notes:	Project 3CR Project No. E3027-23 Carried out for	BH-04

Trial Pit Photographs

TP-01

Notes:	Project	Project 3CR, Royston	TP-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-01

Notes:	Project	Project 3CR, Royston	TP-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-01 spoil

Notes:	Project	Project 3CR, Royston	TP-01
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-02

Notes:	**Project** Project 3CR, Royston **Project No.** E3027-23 **Carried out for** Johnson Matthey	**TP-02**

Trial Pit Photographs

TP-02

Notes:	**Project** Project 3CR, Royston **Project No.** E3027-23 **Carried out for** Johnson Matthey	**TP-02**

Trial Pit Photographs

TP-02 spoil

Notes:	Project	Project 3CR, Royston	TP-02
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-03

Notes:	Project	Project 3CR, Royston	TP-03
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-03

Notes:	Project	Project 3CR, Royston	TP-03
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

Trial Pit Photographs

TP-03 spoil

Notes:	Project	Project 3CR, Royston	TP-03
	Project No.	E3027-23	
	Carried out for	Johnson Matthey	

APPENDIX I

UNEXPLODED ORDNANCE RISK ASSESSMENT

DETAILED UNEXPLODED ORDNANCE RISK ASSESSMENT

Royston Industrial Estate, Orchard Road Royston, Hertfordshire, SG8 5HE

Prepared for: SOCOTEC (UK) Ltd

Project Number: 8399

Version: 1.0

Dated: 26/07/2023

DISTRIBUTION

Project Number: 8399

Version: Issue version 1.0

Dated: 26/07/2023

Copy 1 SOCOTEC (UK) LTD

Copy 2 MACC INTERNATIONAL LTD

MACC International Limited
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Nacton Ipswich
IP10 0EU

Telephone Number: 01473 655127

Email: macc@macc-eod.com

Registered in England Company Registration Number 3014471

CONTENTS

REFERENCES

Publications

Sources of information used in the compilation of this study included:

German Air Raids on Britain 1914-18. Morris 1925

Unexploded Ordnance (UXO) – A guide for the Construction Industry. CIRIA C681

Dangerous Energy. Cocroft 2000

The Blitz Then and Now Volumes 1 to 3. Ramsey 1987

Advanced German Weapons WW2. Ford 2000

Dealing with Munitions in Marine Aggregates. UMA 2008

United Nations International Mine Action Standards (IMAS). UN 2010

Military Engineering Volume XII. War Office 1956

German Bomb Fuzes. USN 1945

Fields of Deception & Anti Aircraft Command. Dobinson 1988

Target Reconnaissance Photography. Luftwaffe 1939-44

Battle Stations Volume 3 DJ Smith 1980

National & Local Archive Reports, Accounts and Bomb Census Maps (where available)

Internet Information

Additional information was provided through the following credible internet sites, their assistance is credited where appropriate:

Army EOD Incidents

RAF EOD Incidents & Air Situation Reports 1939-45

Luftwaffe Strategy & Tactics

Luftwaffe Bomber Specifications

WO Defence Arrangements 1939-45

News Reports Witness Accounts 1939-45

Latest News Reports

Project Information

Site and project information was provided by SOCOTEC (UK) Ltd.

TERMS AND DEFINITIONS

Anti Aircraft Ammunition (AAA)
High Explosive shells ranging from 30mm to 155mm used by air defence batteries to attack or deter enemy air attack.

Air Dropped Munition
A bomb or container dropped from an aircraft which is designed to detonate at a pre determined altitude, on impact or using a delay mechanism; after impact.

Air Dropped Sub-Munitions (Bomblet)
Small sub-munitions dispensed from a larger carrier which may be fixed to the aircraft or dropped as a single container munition which was designed to open above the target spreading its contents over a large area. Some designs are extremely dangerous and fitted with anti-handling devices.

Area Clearance
This is the term used for the systematic clearance of explosive ordnance from land, including military property, firing and bombing ranges, airfields and training areas. When the land is a former wartime battle ground, the term used is Battle Area Clearance (BAC)

Blast Zone
This term refers to the area around an explosive detonation where the explosive overpressure (Blast) can cause damage, injury or death.

Explosive Ordnance (EO)
All manufactured or improvised items designed to contain explosive, propellant, pyrotechnic and fissionable material or biological or chemical agents or pre-cursers which when coupled with an initiation or dispersal system are designed to cause damage, injury or death.

Explosive Ordnance Disposal (EOD)
A series of recognised procedures and protocols which are used by specialists in the detection, identification, evaluation, risk assessment, render safe, recovery and disposal of any item of explosive ordnance or improvised explosive device.

Fragmentation Zone
This is the term which refers to the danger area in which a piece of an item of explosive ordnance will travel on detonation. This zone is normally greater than the blast zone.

Geophysical Survey
The use of magnetometers, ground penetrating radar or other geophysical data gathering systems, which is then used for evaluation, risk assessment and to quantify further mitigation requirements.

High Explosive (HE)
High explosives react/detonate at a rate of around 9,000 metres per second, to all intents and purposes, instantaneously.

Imperial War Museum (IWM)
Wartime records source based in Lambeth Road London.

Incendiary Bomb (IB)

Incendiary bombs ranged from 1kg in size to 500kg the larger sizes were designated as Oil Bombs. Fills range from Thermite mixtures, Phosphorus, Kerosene or other pyrotechnic mixtures.

Intrusive Search

This term refers to the process of introducing a specialist magnetometer by pushing or drilling the sensor in to the ground to a pre determined depth, thus allowing construction activities such as: piling, soil testing and deep intrusive ground works to be conducted safety.

Land Service Ammunition (LSA)

LSA is a term that refers to all items containing explosives, pyrotechnic or noxious compounds which are placed, thrown or projected during land battles.

Local Records Office (LRO)

Wartime records source charged with maintaining the records for the Region, County, Borough or City.

National Archive (NA)

Wartime records source housed in Kew Gardens London.

Oil Bomb (OB)

Large airdropped bomb or modified ordnance container containing flammable material and accelerant, these weapons normally range in weight from 250 – 500kg.

Parachute Mine (PM)

Air-dropped mine designed to detonate at a pre set altitude above the ground. Essentially a large blast bomb with an explosive content of 1600 kg commonly fitted with anti-handling or anti-removal fuzes.

Unexploded Bomb (UXB)

Any air dropped bomb that has failed to function as designed.

Unexploded Ordnance (UXO)

Explosive ordnance that has been primed, fused, armed or otherwise prepared for use or used. It may have been fired, dropped, launched or projected yet remains unexploded either through malfunction or design or for any other cause.

War Office (WO)

This was the United Kingdom Government department responsible for defence of the realm, forerunner of the Ministry of Defence (MoD).

White Phosphorus (WP)

Munitions filled with WP_4 are designed for signalling, screening and incendiary purposes. They achieve their effect by dispersing WP, which burns on contact with the air.

World War One or Two (WWI or WW2)

Period of multi-national conflict, specifically: WW1; 1914-1918 or WWII; 1939-1945.

1 INTRODUCTION

1.1 Instruction & Scope

MACC International Ltd was commissioned by SOCOTEC (UK) Ltd to conduct a Detailed Unexploded Ordnance (UXO) Risk Assessment for a parcel of land at Royston Industrial Estate, Orchard Road, Royston, Hertfordshire, SG8 5HE (See Annex 'A'). The scope of the assessment is to determine the likelihood of an encounter with UXO within the context of the execution of ground investigations and any subsequent development works.

1.2 Methodology & Purpose

The methodology used in the assessment complies with the United Nations (IMAS) standards for UXO/Mine Level 1 Survey (Desk Top Study), the CIRIA C681 "Unexploded Ordnance (UXO) – A guide for the Construction Industry" and the recognised best practice advocated by the Health and Safety Executive (HSE). The quality and environmental aspects of the assessment comply with UKAS Accredited ISO 9001:2015 and ISO 14001:2015 standards. The purpose of the assessment is that of evaluation and to provide an aid in decision making by our client.

2 DETERMINING THE LIKELIHOOD OF ENCOUNTER

2.1 Aim, Research Restrictions & Indemnity

This risk assessment has drawn upon archive records which are within the public domain; however, these are acknowledged to be incomplete. Consequently, some incidents may have occurred where the records no longer exist or could not be located. The Secretary of State of the United Kingdom and MACC International Ltd does not accept responsibility for the accuracy or completeness of the information contained within the records. Some records regarding the UXO situation on some sites may not yet be within the public domain. Consequently, such information was not available for evaluation by MACC International Ltd. Research of the site history, regarding military usage, bombing raids and bomb impacts has been undertaken to establish the following:

- Frequency and location of enemy bombing raids and damage sustained to the site.
- The potential for UXO to remain on the site.
- Records of UXO removal activities and encounters.

2.2 Relevant Publications & Credible Internet Information

Published sources of information used in the compilation of this assessment are listed within the reference section including those provided by the client. Additional information was provided through credible internet sites; their assistance is credited where appropriate and details are listed within the reference section of this report.

3 THE SITE

The site footprint is located at Orchard Road, Royston, Hertfordshire and is centred at approximate grid reference 534784, 241441. The site footprint is currently occupied by industrial premises and associated infrastructure at Royston Industrial Estate, primarily the Johnson Matthey premises. Historic aerial imagery of the area identifies a potential ammunition depot partially occupying the site footprint prior to the establishment of the Johnson Matthey premises during the 1950s. The site footprint has undergone significant post-war development through construction of the existing industrial premises.

4 FUTURE INTENTIONS

Future intentions for the site were not disclosed. It is however known that Geo-environmental investigations will be carried out prior to the commencement of any subsequent development works.

5 HISTORICAL INFORMATION

5.1 British Archives

Prior to 1942 the United Kingdom did not operate a national recording system for EO/UXO incidents or military use of land. The records compiled during 1939-1942 were conducted under local arrangements and were only as detailed and accurate as the availability of time, personnel and the ease of access to information would allow. In April 1942, the Ministry of Home Security instigated a training programme for all personnel maintaining bomb census records, these standardised national records and greatly improved the accuracy of the information. Lack of exact bomb strike positions were most common where bombs fell on open ground well away from structures or buildings.

5.2 Manned Air Raids & Unmanned Rocket Attack Reports

WWI: Although Hertfordshire did suffer enemy bombing raids during WWII, no records were found to confirm a bomb strike within the site footprint or immediate surrounding area during this period. Consequently, this source of UXO contamination is considered to be highly unlikely.

WWII: Although information was found to suggest that a possible ammunition depot partially occupied the site footprint during WWII which had the potential to have been an opportunistic bombing target for the enemy, the Royston area suffered a relatively low level of enemy bombing during WWII. Additional potential opportunistic targets in the area included rail infrastructure and the military presence at Royston Heath.

Although the town did not suffer extensively during this period, several bombing raids were nonetheless recorded. The most notable raid in relation to the site footprint occurred on 19th August 1940 when multiple HE bombs were recorded to have fallen in a field 200 yards to the west of Old North Road at the Cambridgeshire County border. Whilst the exact location of such strikes remains unknown, they are believed to have fallen within the immediate vicinity of the site footprint to the north-east. Later the same year on 22nd September, a section of railway track and a rail shed to the south-east of the site footprint were also affected during an enemy bombing raid.

Although enemy bombs were recorded within the immediate vicinity of the site on one occasion, this incident was well documented and no further records were found to confirm additional bombing raids within the immediate vicinity of the site or within the site footprint specifically. Whilst considering the significant level of post-war development that has taken place within the site footprint, this source of UXO contamination is on balance considered to be unlikely.

5.3 **Airdropped Sub-Munitions' Reports**

Although Royston did suffer enemy cluster/incendiary bombing during WWII, no records were found to confirm strikes within the site footprint or adjacent land. Whilst considering the low ground penetration potential for such weapons and the significant level of post-war development that has taken place within the site footprint, this source of UXO contamination is considered to be unlikely.

5.4 **Anti-Aircraft Ammunition (AAA) Reports**

Local fixed and mobile Anti-Aircraft batteries were located in the district to defend against air attack including an Anti-Aircraft Searchlight Battery approximately 5km to the south-west. Additional light AA defences are likely to have been positioned within the vicinity of RAF Bassingbourn to the north of the site.

It is considered reasonable to assume that test firing and combat engagements with enemy aircraft did take place during WWII. Whilst considering the significant level of post-war development that has taken place within the site footprint, this source of UXO contamination is considered to be credible albeit unlikely.

5.5 **Abandoned Bomb Reports**

No records were found to confirm that an unexploded bomb was abandoned within the site footprint.

5.6 **Migration of UXO**

It is considered possible; albeit unlikely, that a bomb was imported onto the site from other bomb sites. Additionally, where land ground levels have been increased or in-filled using Marine Dredged Aggregates there is a high potential for the aggregate to contain items of UXO. Consequently, these must be considered to have the potential to represent an additional source of UXO contamination.

5.7 **Bombing Decoys**

There were no bombing decoys located within the immediate surrounding area of the site during WWII with the nearest located approximately 4.8km to the south-east. Consequently, this source of UXO contamination is not considered to be credible.

5.8 **Military Use**

The general area has a significant wartime military history with Prisoner of War (POW) Camp 29 formerly located approximately 700m south of the site footprint at Royston Heath during WWII. A rifle range is visible in this area within post-war mapping. However, no records were found to confirm significant military use of the site footprint or adjacent land. Consequently, this source of UXO contamination is considered to be unlikely.

5.9 **Ordnance Storage/Production**

The site is currently largely occupied by the Johnson Matthey premises. Johnson Matthey first established a chemical works within the site footprint at Royston in 1957. The company produced platinum gauze packs to make nitric acid for explosives during WWI and again played an important role in the war effort during WWII producing platinum laboratory apparatus for munitions factories among various other electrical components. However, the company did not operate within the site footprint in Royston until after WWII.

A dataset available within the public domain was found to suggest that an ordnance depot was formerly partially located within the site footprint during WWII. Whilst an analysis of pre and post-war mapping for the area indicates that the site remained largely undeveloped land throughout this period, aerial imagery of the area shows clearly separated storage areas partially occupying the site footprint that show similarities to the layout of other known ammunition stores. These areas are shown adjacent to the west and south of the site footprint and extend into the western outskirts of the site. The central and eastern areas of the site are largely undeveloped.

However, no further records were found to substantiate this assumption. No primary sources were found to confirm the former presence of an ordnance/ammunition depot within the site footprint and details of this establishment therefore remain unknown. Should any further information become available to MACC International Ltd, this report will be amended if deemed appropriate. Whilst it is considered reasonable to assume that any potential ammunition stores were suitably cleared during their decommissioning, the potential for items of ordnance to remain within the immediate area as a result of burial/discarding cannot be ruled out entirely. Given the very limited information available in relation to this establishment, this source of potential UXO contamination must be considered credible.

5.10 **Downed / Crashed Military Aircraft**

No records were found to indicate that an armed aircraft crashed within the site footprint.

6 DETERMINING THE NATURE OF RISK

6.1 General

While HE warheads are very unlikely to detonate if left undisturbed they remain inherently dangerous and may function if subjected to suitable stimuli. The most common of these stimuli is shock, friction or heat which may cause the fuze to function or unstable explosive materials such as Picric Acid (2-4-6 Trinitrophenol (TNP)) to explode. However, in the case of incendiary bombs containing White Phosphorus (WP_4) exposure of the WP to the oxygen in the air will result in its violent ignition and combustion which may cause any HE content within the munition to detonate.

6.2 German Bombing Tactics

The tactics employed by the German Air Force during WWII show that they had a wide variety of bombs at their disposal. The most common ranged in weight from 50 kg through to 500 kg. Some models in this range of bombs were designed to be “carrier” bombs. These containers could hold potentially hundreds of smaller sub-munitions (anti personnel or incendiary bomblets). Although dropped in lesser quantities, the German arsenal also included larger bombs and parachute mines up to 1,400 kg in weight. Unmanned attacks were also mounted by the Germans using V1 Rockets and V2 Missiles, each with a warhead around 1,000 kg in weight.

6.3 Bomb Trajectory & Ground Penetration

During WWII, the Ministry of Home Security undertook a major study on bomb penetration depths using 1,328 actual bomb impact events to provide statistical analysis of penetration potential. As a result, they determined the expected behaviour of a range of bomb weights through different geological strata around the Capital. Their findings remain the only empirical gained figures to have been gathered to date for England. A summary of their findings can be found in Table 1 of this study. A number of factors will influence the behaviour of a bomb on impact with the target and its trajectory through the ground. Relevant factors include: Height and speed of release of the bomb, aerodynamic qualities of the bomb, the angle of flight and impact and the nature of impact surface and sub soil.

6.3.1 In determining the potential bomb penetration depths into the ground, using the historic geotechnical information, other factors considered were: Release height 4,545 metres (15,000 ft). Most common GP Bomb used of 500 kg in weight and an impact Angle Range of 90° (tail vertical) to 0° (tail horizontal).

6.3.2 Table 1. Extract of Ministry of Home Security Bomb Penetration Study

	Bomb Weights			
Sub Soil Type	50kg	250kg	500kg	1000kg
Soft Rock or Made Ground	2.442	5.016	6.006	7.062
Gravel	2.442	5.016	6.006	7.062
Dry Clay	3.7	7.6	9.1	10.7
Average Offset (m)	0.8-1.6	1.6-3.7	3-4.5	3.4-5.3

6.3.3 Bombs on penetration of the surface do not tend to follow a straight line trajectory, due to a number of factors, shape, angle of entry, weight and speed; they tend to arc or curve; known as a “J” curve. With the horizontal distance from the entry point to the resting point known as the offset. The typical offset is generally taken to be $^{1}/_{3}^{rd}$ of the penetration depth. However, this distance can vary greatly if the bomb strikes an obstacle just below the surface. With this mechanism of offset, it is therefore a possibility that a bomb could enter the ground outside a building and come to rest within its footprint. Having reviewed the bomb penetration information and having provided a reasonable safety factor it is considered that:

- The maximum bomb penetration depth is estimated at 8.5 metres from the 1941 ground level. The expected offset from impact point is estimated to be 3.0 metres.
- The maximum ground penetration for an AA Artillery Shell is estimated at 1.5 metre below the 1941 ground level.

7 ENVIRONMENTAL IMPACT FROM UXO

7.1 Ground Contamination & Health Risk vectors

The amount of explosive material within the most common bombs is not considered sufficient to pose a significant widespread environmental risk. Nevertheless, it should be noted that the following components are commonly used in the manufacture of a high explosive bomb and may pose a localised contamination risk to health:

- Lead (Pb)
- Zinc (Zn)
- Copper (Cu)
- Iron (Fe)
- Mercury (Hg)
- Silver Fulminate (AgCNO)
- Aluminium (Al)
- Trinitrophenol ($C_6H_3N_3O_7$)
- Trinitrotoluene ($C_7H_5N_3O_6$)
- Trimethylene ($N(CH_3)_3$)
- Trinitramine ($C_3H_6N_6O_6$)
- Ammonium (NH_4)
- Sodium Nitrate ($NaNO_3$)
- Nitro-glycerine ($C_3H_5N_3O_9$)
- White Phosphorus (WP_4). This chemical may pose a significant immediate risk of spontaneously combusting when exposed to the oxygen in the air. WP will generate large quantities of toxic white smoke when ignited.

7.2 It is recommended that specialist environmental and medical advice be sought to identify any health or other risks posed by these and other chemical compounds.

8 RISK ASSESSMENT

8.1 Risk Source

Records indicate that a potential ammunition depot formerly partially occupied the site footprint during WWII. Records are acknowledged to be incomplete and include errors; the possibility that items of UXO may have found their way onto the site and remain to the present day is considered credible.

8.2 Risk Pathway

The risk pathway is considered to be ground intrusive investigations and earth works.

8.3 Consequence

The consequences of a UXB detonation on site during construction works are considered to be a factor of the size of the blast and the proximity of assets and individuals to the point of detonation. These will include potential to kill or seriously injure personnel destroy or damage high value site assets, nearby public and private property and infrastructure.

8.4 Risk Rating

H = A figure derived from assessing the history of the site weighing up factors such as recorded bomb damage, threat weapon type, military use and the scope of any post conflict development.

W = A figure derived from assessing the type of the process to be undertaken without putting in place any UXO mitigation measures. A low figure is assigned where the process is relatively non aggressive (minimal ground or point shock). A high figure is used where the work is considered aggressive (significant ground or point shock).

L = A figure derived by multiplying figures H and W to provide an overall likelihood of an encounter with UXO.

S = A figure derived by assessing the scope or extent of the works; a low figure is assigned where the volume of risk material is limited. A high figure is used where for example the volume of risk material is considerable such as “bulk digs” or shafting.

P = A Figure derived from assessing the result of an explosion, including primary and secondary risk pathways and receptors. A high figure is attributed for example in a gas works while a low figure is applied to a remote, rural open space.

C = A figure derived by multiplying figures S and P to provide an overall consequence of an encounter with UXO.

8.5 Table 2 Risk Level – From all potential UXO contamination sources

UXO RISK RATING			
Activity	Likelihood (H x W = L)	Consequence (S x P = C)	Risk Rating (L x C = R)
Hand dug excavations	4 x 1 = 4	1 x 5 = 5	4 x 5 = 20
Limited mechanical excavations or trenching	4 x 2 = 8	2 x 5 = 10	8 x 10 = 80
Drilling, sampling, bulk excavations or piling	4 x 3 = 12	3 x 5 = 15	12 x 15 = 180
1= Minimal 5=significant		LOW 0-100 / MEDIUM 100-200 / HIGH 200+	

9 STUDY FINDINGS

9.1 Risk Levels

The risk assessment has determined the UXO risk within the site boundary. When viewed from likelihood versus consequence standpoint; it is considered prudent to recommend a suitable degree of UXO mitigation to permit the work to proceed in the safest “acceptable” manner in compliance with current legislation and best practices.

9.2 Determining Acceptable Level of Risk

The meaning of the term “acceptable” in the context of this assessment is considered to be in keeping with the Health & Safety Executive directive which identifies the acceptable level as that which is; “As Low as Reasonably Practicable” (ALARP) to achieve.

10 RECOMMENDATIONS FOR RISK MITIGATION

All Risk Levels:

- Risk Communication & Safety Planning: Stakeholders should be made aware that the risk of encounter is considered to vary from low increasing to medium for some activities. Consequently, the possible impact on the project may be significant and therefore a UXO Safety Plan should be drawn up and included within the overall project safety planning.

- Safety Training: In keeping with CDM Regulations concerning all sub-surface hazards, UXO Safety Induction Training should be provided to everyone working or visiting the site. The training should be commensurate with the individual's responsibilities and duties on site. The training should be provided by a competent individual (preferably a trained EOD Engineer) and delivered as a separate module of the Site Safety Induction Course or as a Toolbox Talk.

Additional mitigation requirements for the medium risk activities:

- Drilling, Sampling & Bulk Excavations: These should be checked for UXO by an EOD Engineer equipped with specialist magnetometers ahead of the drilling/sampling bits. A UXO safety 'watching brief' should be in place during excavations.

- Piling: All positions should be tested using a specialist 'Mag Cone' and be UXO safety certified prior to the commencement of piling.

11 POST MITIGATION RISK

11.1 Overview

Prudent execution of the recommended risk mitigation strategy will reduce the risk however, it is emphasised that zero risk is not achievable given the possible variables. The assessment has confirmed the UXO risk level based on the nature of the work to be undertaken and has recommended suitable mitigation. An effective risk mitigation strategy will require detailed scoping to achieve its desired results in providing an acceptable level of risk. For further information concerning any part of this assessment please contact MACC International Ltd.

11.2 Intent & Use

This document has been produced in the United Kingdom by MACC International Limited and meets the requirements of CIRIA C681 “Unexploded Ordnance (UXO) – A guide for the Construction Industry”. It has been provided solely for the purpose of assessment and evaluation. It is not intended to be used by any person for any purpose other than that specified. Any liability arising out of use by a third party of this document for purposes not wholly connected with the above shall be the responsibility of that party, who shall indemnify MACC International Limited against all claims, costs, damages and losses arising out of such use.

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Annex A

SITE MAPPING

Annex A Site Location

Site Boundary

Annex B

EXPLOSIVE ORDNANCE SAFETY INFORMATION

1 UNEXPLODED ORDNANCE

Since WWII the number of incidents in the UK where EO has detonated has been minimal, though a significant number of bombs have been discovered and safely disposed of without serious consequences. More commonly on mainland Europe (France, Germany and Belgium) incidents have occurred where ground workers have been killed or injured as a result of striking buried UXO or mishandling items of UXO found during excavation and piling work.

The threat to any proposed investigation or development on the site may arise from the effects of a partial or full detonation of a bomb or item of ordnance. The major effects are typically; ground shock, blast, heat and fragmentation. For example, the detonation of a 50kg buried bomb could damage brick/concrete structures up to 16m away and unprotected personnel on the surface up to 70m away from the blast. Larger ordnance is obviously more destructive. Table B-1 shows the MOD's recommended safe distance for UXO. However, it should be noted that the danger posed by primary and secondary fragmentation may be significantly greater. Almost 60% of civilian casualties sustained in London during the blitz were the result of flying glass.

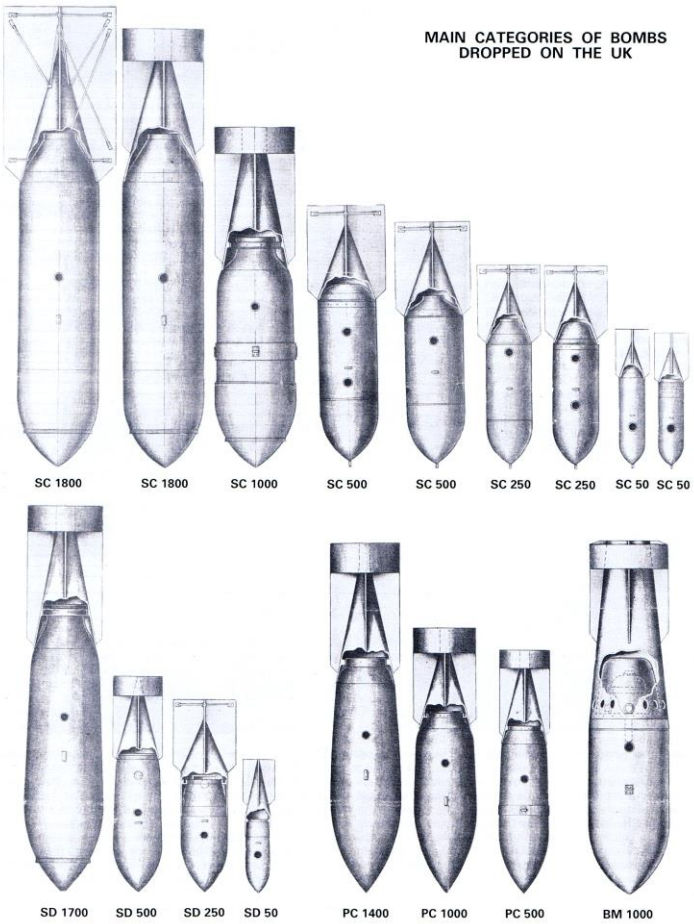
TABLE B-1 SAFETY DISTANCES FOR PERSONNEL

	Safety Distances (m)			
	Surface UXO		Buried UXO	
UXO (Kg)	Protected	Unprotected	Protected	Unprotected
2	20	200	10	20
10	50	400	20	50
50	70	900	40	70
250	185	1100	120	185
500	200	1250	140	200
1000	275	1375	185	275
3000	450	1750	300	450
5000	575	1850	400	575

Explosives rarely become inert or lose effectiveness with age. Over time some explosive materials can become more sensitive and therefore more prone to detonation. This applies equally to items that have been submersed in water or embedded in silt, clay, peat or similar materials.

2 TYPES OF GERMAN AIRDROPPED BOMBS & MINES

2.1 HE Bombs



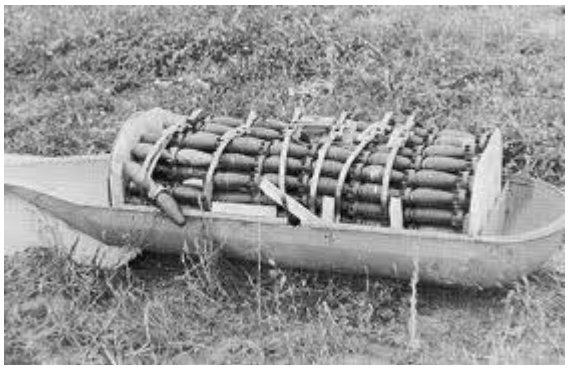
German 250kg Bomb found by MACC below a pre-war cellar floor in Bethnal Green London 10 August 2015

2.2 Incendiary, Anti-Personnel Bombs & Parachute Landmines

1kg incendiary Bomblet (Top as found today)

Flam c500, c250 & c50 Oil Bombs

SD1 Anti-Personnel Bomblets

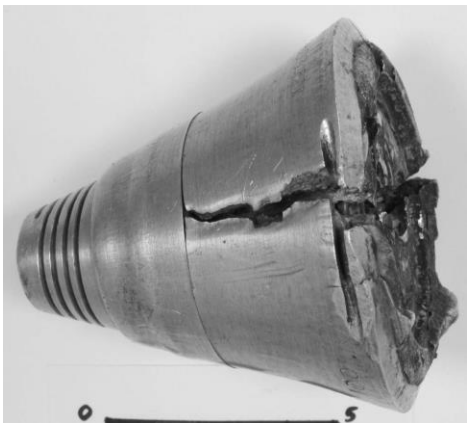


SD1 Container Bomb

Parachute Mines

2.3 British Anti-Aircraft Shells & Rockets

Examples of British Anti-Aircraft shells, rockets and components can be seen below.



Typical shell and rocket fuzes (Above left Proximity Fuzes found by MACC in 2017)

Typical shells (Above left 3.7” Shell found by MACC in 2017)

Typical rockets

3 UXO ENCOUNTER SAFETY PROCEDURE

3.1 All site personnel should be instructed on what action to take if they find an unidentified item which they suspect may be unexploded ordnance. The following actions are recommended until expert advice can be sought:

- **Stop Work**
- **Do not Touch**
- **Alert those around you and Evacuate the vicinity**
- **Call the UXO Specialist or Police (Dial 999)**

3.2 Where appropriate safety posters can be used to remind personnel of the safety procedure, an example can be seen below.

3.3 Where an item of UXO is found on site all work should be suspended until the UXO risk has been reassessed and if appropriate, suitable mitigation measures put in place.