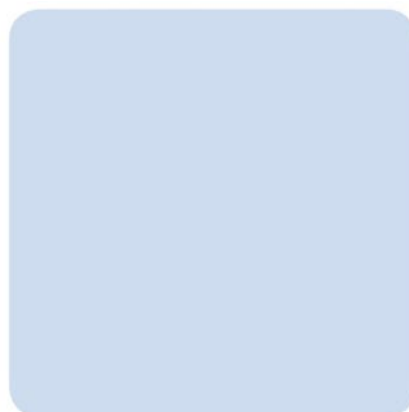
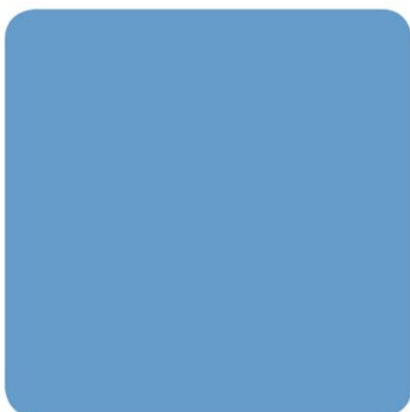


Performance Report to Cover the Period
from January 2017 to January 2018
To Satisfy EPR/VP3095FS
For Neal Soils Suppliers Ltd



Date: January 2018

Our Ref: JCD0170

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DELIVERING QUALITY

Quality Management

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Reviewed, corrects and Authorised by:	Ahlim Hashm (Technical Director)	
Date:	January 2018	
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Amendment Record

Revision No.	Date	Reason for Change	Authors Initials

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Drawings

Drawing JER5540-002a

Appendices

Appendix A Operational procedure WI11

Appendix B The Aggregates Testing Results

Appendix C The Filter Cake Analysis Results and classification reports

Appendix D Analysis results for the Light Sludge

Appendix E Waste returns for the Light Sludge

Appendix F Performance Parameters in Schedule 4

1 Introduction

1.1 Background

- 1.1.1 NRW in pursuance of Part II of the Environment Protection Act 1990 granted a Waste Management Licence to Neal Soil Suppliers Limited (Company Registration Number 3368495) in May 2006. Eight variations of this permit have been issued in September 2009 (002), March 2011(003), May 2011 (004), March 2012 (005), March 2013(007), November 2013 (008), and May 2015 (10).
- 1.1.2 The first three variations authorised an increase to the list of waste codes for acceptance at the site. The fourth variation (005) included the modernisation of the facility and the inclusion of a washing plant for treatment for hazardous and non-hazardous wastes. The fifth application (006) was submitted to allow the acceptance and treatment of asbestos materials at the wash plant, this application was withdrawn later. The sixth variation (007) was a regulator initiated variation issued by the Environment Agency (now NRW) to implements the changes introduced by IED. The seventh variation (008) was an admin variation relating to the treatment of glass in the washing plant. The eighth (009) was an application to vary few existing conditions in the permit (mainly related to storage conditions) and included an application for a new wash plant. In respond to NRW's advice, the application was withdrawn in January 2014. Another application was submitted early 2014 for an admin variation to remove one of the activities (D9) and was duly made in May 2014. The last issued variation (010) was both to authorise the requirement of the last above mentioned variation and to include an administrative correction to the regulator initiated change under EPR/VP3095FS/V007.
- 1.1.3 The applicable permit number is EPR/VP3095FS (previously WML30348) and the area covered by the permit is shown on *Drawing JER5040-002a*. Hereinafter this area will be called the site.

1.2 Purpose

- 1.2.1 This report is issued to satisfy the Permit Condition 4.2.3 that sets out the following:
- 1.2.2 *"For the following activities referenced in Schedule1, Table S1.1 A1 and A2, a report or reports on the performance of the activities over the previous year shall be submitted to NRW by 31 January (or other date agreed in writing by NRW) each year. The report(s) shall include as a minimum:*
- 1.2.3 *(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data; and*
- 1.2.4 *(b) the performance parameters set out in Schedule 4 Table S4.2 using the forms specified in Table S4.3 of that schedule."*
- 1.2.5 With respect to part "a" of the above condition, Tables S1.1 A1 and A2 of the permit sates the following: *"sampling of output from the wash plant shall be undertaken in line with the approved*

sampling and monitoring methodology as set out in pre-operational condition 2 of table S1.4A, to demonstrate the efficacy of the plant and to show the material are fit for their intended use”.

1.2.6 Condition 2 of Table S1.4A states:

1.2.7 *“The operator shall submit a methodology for the monitoring and sampling of outputs from the washing plant, to the Environment Agency for written approval. The methodology should include details of how waste sampling shall be carried out so as to prove the treated waste meets any applicable Quality Protocol or Code of Practice. The washing activities shall not commence until the Environment Agency has approved the methodology”.*

1.2.8 A pre-operational condition report titled “The Washing Plant- Waste Characterisation, Batching and Monitoring- Neal Soil Suppliers Ltd-V5” was submitted to NRW (then Environment Agency) to address several of the conditions listed in Table S1.4A including condition 2 above in May 2012. The submission was approved by NRW on the 1st of June 2012. Details of the monitoring and sampling of outputs from the washing plant were covered in Chapter 4 of this approved report. The agreed methodologies were then transferred into the IMS operational procedures submitted to NRW in June 2017.

2 Monitoring and Sampling of Outputs-Wash Plant

2.1 General

- 2.1.1 Chapter 4 of the approved preoperational condition report provides information on the monitoring and sampling of outputs from the wash plant and includes details on the types of output, sampling methods, the various testing requirement for the different outputs and their frequency in addition to relevant assessment criteria to be used for assessment of suitability of the outputs for their intended uses.
- 2.1.2 This chapter of the “pre-operational conditions” report list the different output from the wash to include:
- Variety of recovered sands, gravel and aggregates to be provided to the market as a saleable product suitable for their intended uses and as per the requirement of the purchaser of these products.
 - Light sludge from the flotation unit for disposal.
 - Heavy sludge (the filter cake) that may be recovered or disposed of depending on the quality of the input and the treatment.
- 2.1.3 Under the section “testing”, the report states that:
- The selected tests will be chosen to be compliant with the requirements of the relevant standards/specifications/guidance and client requirements.
 - Samples for analysis will be taken from the final product by competent and suitably trained personnel.

2.2 Aggregates

- 2.2.1 The report lists the laboratory testing requirement for recovered aggregates to comply with the relevant standards and specifications, applicable at the time. The testing requirements in this report were updated during 2015 when the revised IMS (developed by Green Triangle) was issued. IMS17-01 covered the testing requirement of the Quality Protocol for recovery of aggregates.
- 2.2.2 As stated in the 2016 annual report, Neal Soils have instructed John Barritt Consulting Ltd in December 2016 to carry out another review of IMS 17-01 for the purpose of updating and upgrading of the existing procedure. This work was completed and submitted to NRW as part of the updated IMS operational procedures in June 2017. The testing requirements for aggregates and other outputs from the wash plant were detailed in operational procedure W11. A copy of this operational procedure is provided in Appendix A. Data collected throughout 2017 for the aggregates recovered from the wash plant are provided in Appendix B.

2.3 Filter cake

- 2.3.1 In terms of the filter cake, the approved pre-operational conditions report states that the clean filter cake is to be provided to the market, as a saleable product suitable for its intended uses and as per the requirement of the purchaser of these products under an appropriate End of Waste code of practice.
- 2.3.2 It also states that some of these filter cakes may be blended with others soils and/or soil conditioners within the soil processing area of the site following the completion of their treatment in the washing plant. It states that some of these recovered soils may also be subject to spreading and seeding to produce turf or cultivated soil as required by purchasers. The aim of the blending is to produce different types of soil depending on the market demand.
- 2.3.3 The reports states that the filter cake designated for manufacturing of soil will be tested for a standard suit of analysis including the following:
- Metals;
 - Speciated Total Petroleum Hydrocarbons (TPH), with the fraction of petroleum (gasoline) and diesel range;
 - Speciated Polycyclic Aromatic Hydrocarbons (PAHs)
- 2.3.4 The reports also states that:
- “The soil composition will be compared with appropriate criteria such as the DEFRA and Environment Agency Contaminated Land Exposure Soil Guideline Values (CLEA - SGV) for the different land uses including residential, commercial and allotments or any specific requirements dictated by the purchaser. For contaminants where CLEA values are not available the Land Quality Management LQM/CIEH Generic Assessment Criteria GAC values will be used. It should be noted that acceptable concentrations for soil for the different land uses are regularly changing based on new information provided by DEFRA and the Environment Agency on these assessment criteria”. and
 - “Neal Soils will ensure they will utilise the most recent published values”.
- 2.3.5 In accordance with the above approved methodology, the operational procedures for the NSL site were updated and resubmitted to NRW in June 2017 to reflect the originally agreed methodologies/procedure and later additional requirements from NRW. The testing schedule for filter cakes from treatment of hazardous waste is detailed in WI11, provided in Appendix A. Neal's have tested all of their filter cake from hazardous batches in accordance to the latest procedures and classified them. The laboratory analysis results of these filter cake and their classification reports are provided in Appendix C.

2.4 The Light Sludge from the Flotation Unit

- 2.4.1 The report stated that the light sludge from the Dissolved Air Flotation (DAF) unit resulting from the treatment of contaminated material will be subject to compositional analysis tests for the

whole list of contaminants found within in the original waste(s). The analysis results will be used for the purpose of classification to identify appropriate disposal routes. .

- 2.4.2 It is current practice at Neal's that all the light sludge collected from the DAF unit is stored in a tank until it is full when it is then sent off for disposal to an appropriate facility as "hazardous material". The reason for this classification is the high level of TPH in the sludge which would classify the material as hazardous and the inability of the laboratory to analysing the sludge for other contaminants such as metals due to the nature of the matrix. This material is usually sent to "Castle Environmental". Fifty eight tonnes of this sludge were produced in 2017, forty of which were sent out for disposal as hazardous waste in 2017. Analysis results and scans of the waste disposal tickets for these are provided in Appendix D and E respectively.

2.5 Light Debris

- 2.5.1 Although not listed in the above discussed report, the wash plant also produces another fraction. This is collected as debris from the trash screen and usually contains light fractions of materials such as light plastics, paper, and balls of polystyrene, etc. It seems that reference to this material was mixed up with the light sludge mentioned above in the original report and resulted in some confusion during the NRW Audit carried out in 2015/2016. This is usually collected and sent to Atlantic as combustible material capable of being recovered in the RDF production process. A total of 3269.8 tonnes were removed of the site during 2017 to the adjacent Atlantic Recycling Limited site.

2.6 Recovery efficiency

- 2.6.1 During an audit carried out by NRW on Neal's late 2015, NRW requested that the annual report provides information on the efficiency of the treatment process in the wash plant. The audit stated that *"The SGN, referring to metals contamination, requires that the operator provides the regulator with an assessment of the efficiency of the treatment process in relation to Schedule 5 (of the PPC Regulations) pollutants in terms of the removal or partition of substances within the process, for example:*
- *the precipitation of metals from solution for removal in the filter cake*
 - *the degree of transfer between the incoming waste and the emissions (to air, solid waste to land and liquid effluent to sewer of, for example, pesticides or solvents).*
- 2.6.2 In response to the above Neal's replied that
- 2.6.3 *"Due to the nature of the material treated and processes used, calculation of the efficiency cannot be calculated as a ratio of concentration in the input to the output as can be done in "precipitation of metals from solution". This approach is only applicable to material with high consistency and therefore there is high level of confidence in the concentration being representative of the input material. Accordingly an efficiency calculation was not agreed during the development of the preoperational report. The wash process generate not only one but a*

number of outputs including not only the filter cake but many other constituent including the different granular materials (sands, gravels and other aggregates) in addition to the light sludge that is removed through the flotation unit. A simple approach can be used to calculate the efficiency of the wash plant by calculating the ratio of the recovered fractions compared to the total treated in any patch or for a specified period of time".

- 2.6.4 The light sludge collected in the DAF unit, which is the fraction that contains all the removed contaminants in the flotation unit, is not removed for each batch due to the negligible quantities recovered from each batch (the sludge from the different batches are collected in one tank for later disposal when the tank is full). Similarly the debris fraction collected as a screen trash which contains the remaining inclusions that may contribute to the level of contaminants in the treated material is allowed to accumulate from different batches and removed when it is full. Metals that removed by magnets and eddy currents also contribute to the removal of contaminants and are difficult to quantify. For these reasons and considering the small quantities, in terms of weight, of all of these constituents in comparison to the bulk quantity of the treated material and their various distributions in the different fractions, quantifying efficiency using the suggested method is not possible.
- 2.6.5 Therefore we have calculated the efficiency, as previously proposed, from the ratio of recovered quantities to the total quantity of treated waste on annual basis. A total of 38,780 tonnes of filter cake were used as a landfill cover (the Lamby Way) in 2017. Although this filter cake material has met all of the "end of waste" criteria and was suitable for use as "non-waste", the material was received and used as "waste" due to the specific condition of the receiver site. The total quantity of disposed material including this filter cake (38,780 tonnes) and 40 tonnes of light sludge) is 38820 tonnes with the remaining 113,980 tonnes in the process of being recycled, an approximate efficiency of approximately 75%. However if the filter cake was to be excluded considering its suitability as non-waste, a more appropriate approach considering its actual re-use, the efficiency would be almost complete at 99.97%, similar to previous years with only the hazardous light sludge being removed while the remaining fractions including the filter cake, metals and light debris being further recovered. The remaining quantity of filter cake recovered from the process are to be supplied to end users under the CLAIRE CoP and assessed against "suitable for use" criteria". Neal's supply the filter cake to the market based on customers requirement under the CLAIRE CoP. The Neal's IMS dictate that:
- 2.6.6 *"It is the responsibility of the end users and/or their consultants to identify the specifications of the required material. This can be in the form of a descriptive criteria (i.e. residential, commercial, general fill) or/and site specific criteria derived from risk assessment (specific concentration for one or more contaminants.*
- 2.6.7 *It is the responsibility of the suitably qualified person(s) at NSL to ensure that the quality of the supplied material meets the required specifications.*
- 2.6.8 *When only a descriptive criteria was provided by the end user, Neal Soils will use appropriate and current Soil Guideline Values (SGVs) such as S4ULs and the CLAIRE and the LQM*

Guidance acceptance Criteria (GACS) to assess the suitability of material for the different land use scenarios (Residential, commercial, allotments, etc.)."

2.6.9 It also states:

2.6.10 *"It is the responsibility of the persons identifying the materials specification (end users) or the producer of the Material Management Plan (MMP) to ensure that all other supplied filter cakes, irrespective of their classification status" are re-used in accordance with Watch Point 15 of the CLAIRE CoP".*

2.6.11 Watch Point 15 of the CLAIRE CoP states the following:

2.6.12 All materials must be suitable for use and must not pose unacceptable risks to the environment in order to comply with the requirements of the CoP. In implementing the precautionary principle and in aiming for a high level of environmental protection (as set out in the Waste Framework Directive and case law) the EA would expect the use of materials with a Cluster project to maintain or improve the quality of land at any Donor or Receiver site. To this end the following general restrictions are applied to materials to be used under the CoP at any receiver site:

- The hazards to human health and the environment must not be increased beyond those which already exist at the receiver site, by importing materials with elevated concentrations of potentially harmful substances. A project may be regarded as "sham recovery" if it involves importation of soils with levels of contamination significantly above those already present i.e. to a degree that would require additional intervention should the site be redeveloped in future; and
- The importation of materials at receiver sites must not introduce any new hazards beyond those that already exist at the Receiver site, by importing materials containing new contaminants present at problematical levels. In any case this includes the importation and use of materials containing new contaminants present above hazardous waste threshold.

3 Resources Efficiency

- 3.1.1 The performance parameters set out in Schedule 4 Table S4.2 using the relevant forms specified in Table S4.3 of that schedule are presented in Appendix F. more details are provided below:

3.2 Water Usage

- 3.2.1 The washing plant is topped up with surface water from interceptor ditches on the site and as such has not needed refreshing from the mains. The washing plant water system is a closed loop system and therefore disposal of waters since first operational is not required.

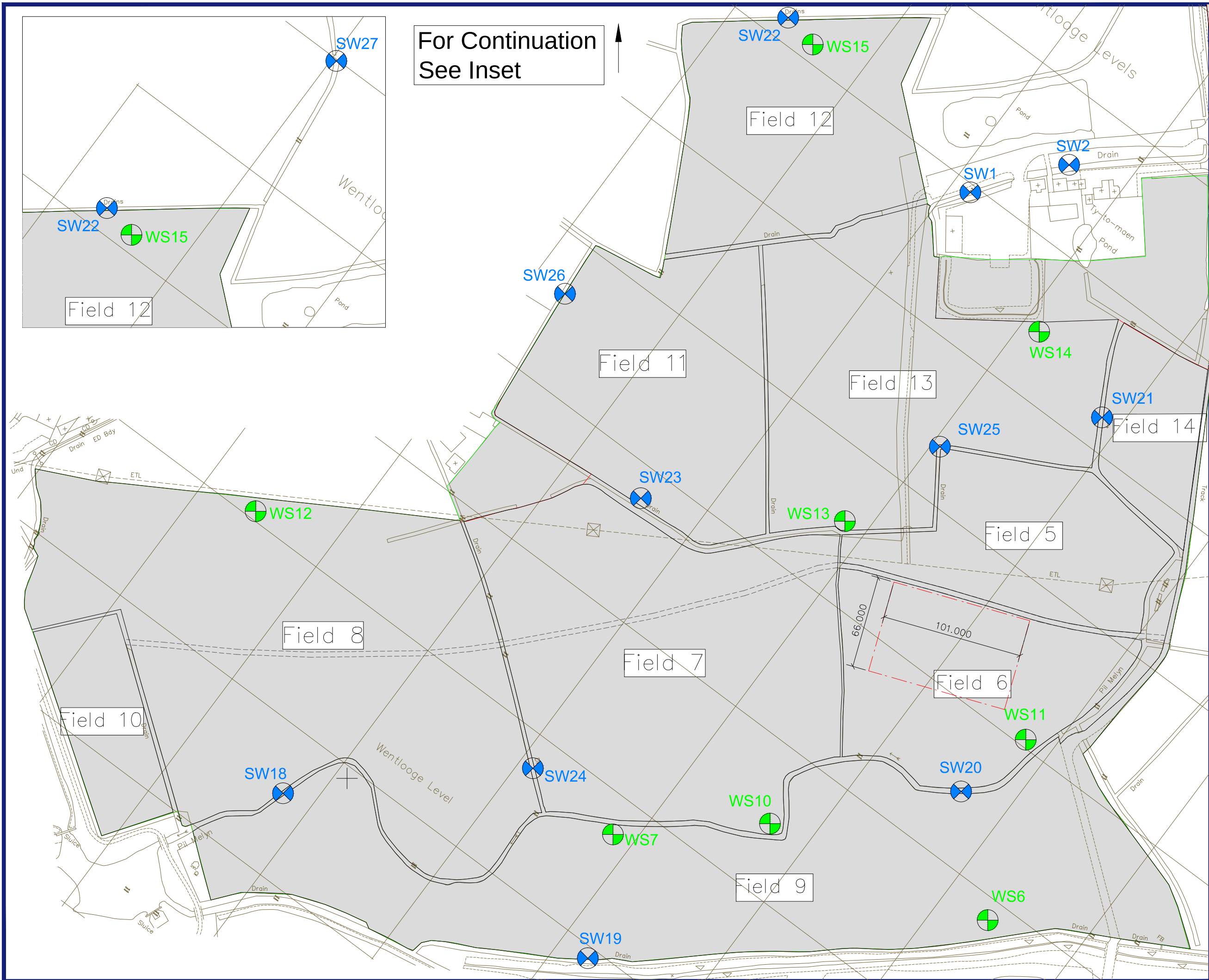
3.3 Energy Usage

- 3.3.1 The washing plant is currently run via diesel oil generators on site.
- 3.3.2 A total of 232,017 litres of Diesel Oil was used on site during the reporting period. When multiplied by NRW conversion value of 10.58 (EPR Intensive Farming – Helping you to do your four yearly reviews, January 2012) this converts to 2,454,740 kWh or 2421MWh.

3.4 Raw Materials

- 3.4.1 The raw materials include both the waste materials treated in the wash plan throughout the year and those virgin raw materials used on site as part of the process. A total of 152,800 tonnes of waste material was processed in the wash plant, 22,908 tonnes (~ 15% of the total) were hazardous while the remaining 129892 tonnes were non-hazardous.
- 3.4.2 The following materials were used in the washing process:-
- Floafoam-9000L
 - Magnafloc- 4000 kg

Drawings



For Continuation
See Inset



Key:

- Environmental Permit Installation Boundary
- Field boundary
- Location of Washing Plan
- WS1 Window Sample Hole Location
- SW1 Surface Water Sampling Location
- Surface Water Drainage Discharge Monitoring Point

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Approved:

Revisions:

Date:
30.11.11

Drawn by:
K Edwards

Scale:
1:2500 @ A3

Client:
Neal Soil

Job:
Environmental Permit Variation

Drawing Title:
Environmental Permit Installatic
Boundary

Drawing Number:
JER5040-002a

Appendices

Operational Procedure WI11

WI11
Testing Schedules

Geotechnical Testing

Test Type	Test Standard	Product(s)	Frequency (Production Period)
Particle Size Distribution /Fines Content	BS EN 933-1	Series 500 Series 600 Series 800 Sand	Weekly
Water Content	BS EN 1097-5	Series 600 Series 800	Weekly
Plasticity Index	BS EN 1377- part 2	Series 600 Series 800	Weekly
Constituent Analysis	BS EN 933-11	Series 500 Series 600 Series 800	Monthly
Water Soluble Sulfates	BS EN 1744-1	Series 500 Series 600 Series 800 Sand	Monthly
Particle Density	BS EN 1097-6	Sand	Monthly
Water Absorption	BS EN 1097-6	Sand	Monthly
LA Coefficient ²	BS EN 1097-2	Series 500 Series 600 Series 800	6 Monthly ¹
Acid Soluble Sulfate & Total Sulfur	BS EN 1744-1	Sand	6 Monthly ¹
Acid Soluble Chloride	BS EN 1744-5	Sand	6 Monthly ¹
Influence on initial setting times of cement	BS EN 744-1	Sand	6 Monthly ¹
Acid Soluble Sulfide & Total Sulfur	BS EN 1744-1	Series 500 Series 600 Series 800	Yearly
Dry Density and Optimum Moisture/Water Content	BS EN 13285 cl 5.3	Series 600 Series 800	Yearly
Bulk Density	BS EN 1097-3	Series 600 Series 800 Sand	Yearly
Frost Heave	BS 812-124	Series 800	Yearly
Magnesium Sulfate Soundness	BS EN 1367-2	Series 800	2 Yearly

¹Calendar Period Frequency

² The LA test is done on the same size fraction for these coarse aggregates and as such should have similar results for each of the products. If initial test data confirms this then just one size may then tested each six months thereafter as a control and the result applied to the other products.

WI11
Testing Schedules

Chemical Testing

Test Type	Material	Frequency (Calendar Period)
Metals (9) (As, Cd, Cr, Cu, Ni, Pb, Hg, Se & Zn)	Washplant Water	Weekly
Chromium – Total, VI, III	Washplant Water	Weekly
Speciated TPH	Washplant Water	Weekly
Speciated PAH	Washplant Water	Weekly
pH	Washplant Water	Weekly

Materials from Hazardous Batches Testing

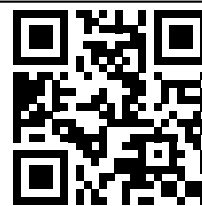
Test Type	Material	Frequency
Metals (11) (As, Cd, Cr, Cu, Ni, Pb, Hg, Se, Zn, Be & B)	Filtercake	Batch Process
Chromium – Total, VI, III	Filtercake	Batch Process
Speciated TPH with ID	Filtercake	Batch Process
Speciated PAH	Filtercake	Batch Process
pH	Filtercake	Batch Process
BTEX	Filtercake	Batch Process for input batches with elevated BTEX
Others	Filtercake	Batch Process for input batches with elevated other contaminants (i.e., phenol, cyanide, etc.,)
Metals (11) (As, Cd, Cr, Cu, Ni, Pb, Hg, Se, Zn, Be & B)	Sand Stone	Batch Process for input batches with elevated metals
Chromium – Total, VI, III	Sand Stone	Batch Process for input batches with elevated VI, III
Speciated TPH	Sand Stone	Batch Process for input batches with elevated TPH
Speciated PAH	Sand Stone	Batch Process for input batches with elevated TPH or/and PAH
BTEX	Sand Stone	Batch Process for input batches with elevated BTEX
Others	Sand Stone	Batch Process for input batches with elevated other contaminants (i.e., phenol, cyanide, etc.,)

The Aggregates Testing Data

(To be provided in a separate file)

The Filter Cake Testing Data & Classification

Waste Classification Report



4M5KE-VQ75V-FSWPR

Job name

Neal Soil Suppliers - 2017

Description/Comments

Project

Filter Cake Classification Compiled

Site

Neal Soil Suppliers Hazardous Batches

Waste Stream Template

Neal Soils Template 2 (PAH Different Order)

Classified by

Name:
Gavin Powell
Date:
08/01/2018 09:08:02 UTC
Telephone:
029 2079 7835

Company:
Neal Soil Supplies Ltd
Ty-To-Maen Farm
Newton Road
Rumney
CF3 2EJ

Report

Created by: Gavin Powell
Created date: 08/01/2018 09:08 UTC

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	H67		Non Hazardous		3
2	H68		Non Hazardous		5
3	H69		Non Hazardous		7
4	H70		Non Hazardous		9
5	H71		Non Hazardous		11
6	H72		Non Hazardous		13
7	H73		Non Hazardous		15
8	H74		Non Hazardous		17
9	H75		Non Hazardous		19
10	H76		Non Hazardous		21
11	H77		Non Hazardous		23
12	H78		Non Hazardous		25
13	H79		Non Hazardous		27
14	H80		Non Hazardous		29
15	H81		Non Hazardous		31
16	H82		Non Hazardous		33

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
17	H83		Non Hazardous		35
18	H84		Non Hazardous		37
19	H85		Non Hazardous		39
20	H86		Non Hazardous		41
21	H87		Non Hazardous		43
22	H88		Non Hazardous		45
23	H89		Non Hazardous		47
24	H90		Non Hazardous		49
25	H91		Non Hazardous		51
26	H92		Non Hazardous		53
27	H93		Non Hazardous		55
28	H94		Non Hazardous		57
29	H95		Non Hazardous		59
30	H96		Non Hazardous		61
31	H97		Non Hazardous		63
32	H98		Non Hazardous		65
33	H99		Non Hazardous		67
34	H100		Non Hazardous		69
35	H101		Non Hazardous		71
36	H102		Non Hazardous		73
37	H103		Non Hazardous		75
38	H104		Non Hazardous		77
39	H105		Non Hazardous		79
40	H106		Non Hazardous		81
41	H107		Non Hazardous		83
42	H108		Non Hazardous		85
43	H109		Non Hazardous		87
44	H110		Non Hazardous		89
45	H111		Non Hazardous		91
46	H112		Non Hazardous		93
47	H113		Non Hazardous		95
48	H114		Non Hazardous		97
49	H115		Non Hazardous		99
50	H116		Non Hazardous		101
51	H117		Non Hazardous		103
52	H118		Non Hazardous		105
53	H119		Non Hazardous		107
54	H120		Non Hazardous		109
55	H121		Non Hazardous		111
56	H122		Non Hazardous		113
57	H123		Non Hazardous		115
58	H124		Non Hazardous		117
59	H125		Non Hazardous		119
60	H126		Non Hazardous		121
61	H127		Non Hazardous		123

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Appendix B: Rationale for selection of metal species	126
Appendix C: Version	127

Classification of sample: H67

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

Sample details

Sample Name:	LoW Code:
H67	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				52.12 mg/kg		52.12	mg/kg	0.00521 %		
			TPH								
2	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844	mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.7 mg/kg	1.285	2.185	mg/kg	0.00017 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				30 mg/kg	1.462	43.847	mg/kg	0.00438 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				50 mg/kg	1.126	56.294	mg/kg	0.00563 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	141 mg/kg		141	mg/kg	0.0141 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.23 mg/kg	1.353	0.311	mg/kg	0.0000311 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				27 mg/kg	1.579	42.646	mg/kg	0.00426 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107	mg/kg	0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				244 mg/kg	1.245	303.71	mg/kg	0.0304 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.16 mg/kg		0.16	mg/kg	0.000016 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.02 mg/kg		0.02	mg/kg	0.000002 %		
		205-917-1	208-96-8								
14	acenaphthene				0.21 mg/kg		0.21	mg/kg	0.000021 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.22 mg/kg		0.22 mg/kg	0.000022 %		
16	phenanthrene	201-581-5	85-01-8		1.62 mg/kg		1.62 mg/kg	0.000162 %		
17	anthracene	204-371-1	120-12-7		0.4 mg/kg		0.4 mg/kg	0.00004 %		
18	fluoranthene	205-912-4	206-44-0		2.97 mg/kg		2.97 mg/kg	0.000297 %		
19	pyrene	204-927-3	129-00-0		2.42 mg/kg		2.42 mg/kg	0.000242 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.79 mg/kg		1.79 mg/kg	0.000179 %		
21	chrysene	601-048-00-0	205-923-4		1.86 mg/kg		1.86 mg/kg	0.000186 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.55 mg/kg		2.55 mg/kg	0.000255 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.81 mg/kg		0.81 mg/kg	0.000081 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.44 mg/kg		1.44 mg/kg	0.000144 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.68 mg/kg		0.68 mg/kg	0.000068 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.18 mg/kg		0.18 mg/kg	0.000018 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.83 mg/kg		0.83 mg/kg	0.000083 %		
28	pH		PH		10.63 pH		10.63 pH	10.63 pH		
Total:								0.0683 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H68

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

Sample details

Sample Name:	LoW Code:
H68	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				103.83 mg/kg		103.83	mg/kg	0.0104 %		
			TPH								
2	arsenic { arsenic trioxide }				17 mg/kg	1.32	22.446	mg/kg	0.00224 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.9 mg/kg	1.285	2.442	mg/kg	0.00019 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				30 mg/kg	1.462	43.847	mg/kg	0.00438 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				80 mg/kg	1.126	90.071	mg/kg	0.00901 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	244 mg/kg		244	mg/kg	0.0244 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.58 mg/kg	1.353	0.785	mg/kg	0.0000785 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544	mg/kg	0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				3 mg/kg	2.554	7.661	mg/kg	0.000766 %		
	034-002-00-8										
11	zinc { zinc oxide }				336 mg/kg	1.245	418.224	mg/kg	0.0418 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.22 mg/kg		0.22	mg/kg	0.000022 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.04 mg/kg		0.04	mg/kg	0.000004 %		
		205-917-1	208-96-8								
14	acenaphthene				0.3 mg/kg		0.3	mg/kg	0.00003 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	fluorene	201-695-5	86-73-7		0.3 mg/kg		0.3 mg/kg	0.00003 %			
16	phenanthrene	201-581-5	85-01-8		2.22 mg/kg		2.22 mg/kg	0.000222 %			
17	anthracene	204-371-1	120-12-7		0.6 mg/kg		0.6 mg/kg	0.00006 %			
18	fluoranthene	205-912-4	206-44-0		4.5 mg/kg		4.5 mg/kg	0.00045 %			
19	pyrene	204-927-3	129-00-0		3.66 mg/kg		3.66 mg/kg	0.000366 %			
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.8 mg/kg		2.8 mg/kg	0.00028 %			
21	chrysene	601-048-00-0	205-923-4		2.68 mg/kg		2.68 mg/kg	0.000268 %			
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.86 mg/kg		3.86 mg/kg	0.000386 %			
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.22 mg/kg		1.22 mg/kg	0.000122 %			
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.29 mg/kg		2.29 mg/kg	0.000229 %			
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.33 mg/kg		1.33 mg/kg	0.000133 %			
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.31 mg/kg		0.31 mg/kg	0.000031 %			
27	benzo[ghi]perylene	205-883-8	191-24-2		1.54 mg/kg		1.54 mg/kg	0.000154 %			
28	pH		PH		9.48 pH		9.48 pH	9.48 pH			
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H69

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

Sample details

Sample Name:	LoW Code:
H69	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				22.8 mg/kg		22.8 mg/kg		0.00228 %		
2	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844 mg/kg		0.00158 %		
3	cadmium { cadmium sulfide }			1	2.9 mg/kg	1.285	3.727 mg/kg		0.00029 %		
4	chromium in chromium(III) compounds { chromium(III) oxide }				39 mg/kg	1.462	57.001 mg/kg		0.0057 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }				71 mg/kg	1.126	79.938 mg/kg		0.00799 %		
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	175 mg/kg		175 mg/kg		0.0175 %		
8	mercury { mercury dichloride }				0.34 mg/kg	1.353	0.46 mg/kg		0.000046 %		
9	nickel { nickel dihydroxide }				33 mg/kg	1.579	52.123 mg/kg		0.00521 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg		0.000511 %		
11	zinc { zinc oxide }				316 mg/kg	1.245	393.33 mg/kg		0.0393 %		
12	naphthalene				0.27 mg/kg		0.27 mg/kg		0.000027 %		
13	acenaphthylene				0.14 mg/kg		0.14 mg/kg		0.000014 %		
14	acenaphthene				0.29 mg/kg		0.29 mg/kg		0.000029 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.05 mg/kg		0.05 mg/kg	0.000005 %		
16	phenanthrene	201-581-5	85-01-8		3.37 mg/kg		3.37 mg/kg	0.000337 %		
17	anthracene	204-371-1	120-12-7		0.95 mg/kg		0.95 mg/kg	0.000095 %		
18	fluoranthene	205-912-4	206-44-0		7.94 mg/kg		7.94 mg/kg	0.000794 %		
19	pyrene	204-927-3	129-00-0		6.3 mg/kg		6.3 mg/kg	0.00063 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5 mg/kg		5 mg/kg	0.0005 %		
21	chrysene	601-048-00-0	205-923-4		4.44 mg/kg		4.44 mg/kg	0.000444 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		6.39 mg/kg		6.39 mg/kg	0.000639 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.08 mg/kg		2.08 mg/kg	0.000208 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.9 mg/kg		3.9 mg/kg	0.00039 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.15 mg/kg		2.15 mg/kg	0.000215 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.53 mg/kg		0.53 mg/kg	0.000053 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.71 mg/kg		2.71 mg/kg	0.000271 %		
28	pH		PH		8.97 pH		8.97 pH	8.97 pH		
Total:								0.0853 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H70

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

Sample details

Sample Name:	LoW Code:
H70	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				121.2 mg/kg		121.2 mg/kg	0.0121 %		
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
3	cadmium { cadmium sulfide }				2.5 mg/kg	1.285	3.213 mg/kg	0.00025 %		
4	chromium in chromium(III) compounds { chromium(III) oxide }				38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }				84 mg/kg	1.126	94.575 mg/kg	0.00946 %		
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }				227 mg/kg		227 mg/kg	0.0227 %		
8	mercury { mercury dichloride }				0.36 mg/kg	1.353	0.487 mg/kg	0.0000487 %		
9	nickel { nickel dihydroxide }				35 mg/kg	1.579	55.282 mg/kg	0.00553 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
11	zinc { zinc oxide }				451 mg/kg	1.245	561.366 mg/kg	0.0561 %		
12	naphthalene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
13	acenaphthylene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
14	acenaphthene				0.31 mg/kg		0.31 mg/kg	0.000031 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.41 mg/kg		0.41 mg/kg	0.000041 %		
16	phenanthrene	201-581-5	85-01-8		2.98 mg/kg		2.98 mg/kg	0.000298 %		
17	anthracene	204-371-1	120-12-7		0.91 mg/kg		0.91 mg/kg	0.000091 %		
18	fluoranthene	205-912-4	206-44-0		7.32 mg/kg		7.32 mg/kg	0.000732 %		
19	pyrene	204-927-3	129-00-0		5.9 mg/kg		5.9 mg/kg	0.00059 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.65 mg/kg		4.65 mg/kg	0.000465 %		
21	chrysene	601-048-00-0	205-923-4		4.15 mg/kg		4.15 mg/kg	0.000415 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.89 mg/kg		5.89 mg/kg	0.000589 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.68 mg/kg		1.68 mg/kg	0.000168 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.9 mg/kg		5.9 mg/kg	0.00059 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.16 mg/kg		2.16 mg/kg	0.000216 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.53 mg/kg		0.53 mg/kg	0.000053 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.54 mg/kg		2.54 mg/kg	0.000254 %		
28	pH		PH		8.7 pH		8.7 pH	8.7 pH		
Total:								0.119 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H71

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

Sample details

Sample Name:	LoW Code:
H71	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				71.93 mg/kg		71.93	mg/kg	0.00719 %		
			TPH								
2	arsenic { arsenic trioxide }				17 mg/kg	1.32	22.446	mg/kg	0.00224 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.7 mg/kg	1.285	2.185	mg/kg	0.00017 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				38 mg/kg	1.462	55.539	mg/kg	0.00555 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				69 mg/kg	1.126	77.686	mg/kg	0.00777 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	215 mg/kg		215	mg/kg	0.0215 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.36 mg/kg	1.353	0.487	mg/kg	0.0000487 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385	mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107	mg/kg	0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				286 mg/kg	1.245	355.988	mg/kg	0.0356 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.28 mg/kg		0.28	mg/kg	0.000028 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.03 mg/kg		0.03	mg/kg	0.000003 %		
		205-917-1	208-96-8								
14	acenaphthene				0.29 mg/kg		0.29	mg/kg	0.000029 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.28 mg/kg		0.28 mg/kg	0.000028 %		
16	phenanthrene	201-581-5	85-01-8		1.96 mg/kg		1.96 mg/kg	0.000196 %		
17	anthracene	204-371-1	120-12-7		0.53 mg/kg		0.53 mg/kg	0.000053 %		
18	fluoranthene	205-912-4	206-44-0		3.54 mg/kg		3.54 mg/kg	0.000354 %		
19	pyrene	204-927-3	129-00-0		2.82 mg/kg		2.82 mg/kg	0.000282 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.07 mg/kg		2.07 mg/kg	0.000207 %		
21	chrysene	601-048-00-0	205-923-4		2.11 mg/kg		2.11 mg/kg	0.000211 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.89 mg/kg		2.89 mg/kg	0.000289 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.84 mg/kg		0.84 mg/kg	0.000084 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.82 mg/kg		2.82 mg/kg	0.000282 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.95 mg/kg		0.95 mg/kg	0.000095 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.24 mg/kg		0.24 mg/kg	0.000024 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.15 mg/kg		1.15 mg/kg	0.000115 %		
28	pH		pH		9.55 pH		9.55 pH	9.55 pH		
Total:								0.0878 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H72

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

Sample details

Sample Name:	LoW Code:
H72	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				65.73 mg/kg		65.73	mg/kg	0.00657 %		
			TPH								
2	arsenic { arsenic trioxide }				16 mg/kg	1.32	21.125	mg/kg	0.00211 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.9 mg/kg	1.285	2.442	mg/kg	0.00019 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				38 mg/kg	1.462	55.539	mg/kg	0.00555 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				82 mg/kg	1.126	92.323	mg/kg	0.00923 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	231 mg/kg		231	mg/kg	0.0231 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.45 mg/kg	1.353	0.609	mg/kg	0.0000609 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544	mg/kg	0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107	mg/kg	0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				321 mg/kg	1.245	399.553	mg/kg	0.04 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.24 mg/kg		0.24	mg/kg	0.000024 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.04 mg/kg		0.04	mg/kg	0.000004 %		
		205-917-1	208-96-8								
14	acenaphthene				0.31 mg/kg		0.31	mg/kg	0.000031 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.31 mg/kg		0.31 mg/kg	0.000031 %		
16	phenanthrene	201-581-5	85-01-8		2.2 mg/kg		2.2 mg/kg	0.00022 %		
17	anthracene	204-371-1	120-12-7		0.62 mg/kg		0.62 mg/kg	0.000062 %		
18	fluoranthene	205-912-4	206-44-0		4.24 mg/kg		4.24 mg/kg	0.000424 %		
19	pyrene	204-927-3	129-00-0		3.34 mg/kg		3.34 mg/kg	0.000334 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.77 mg/kg		2.77 mg/kg	0.000277 %		
21	chrysene	601-048-00-0	205-923-4		2.94 mg/kg		2.94 mg/kg	0.000294 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.11 mg/kg		4.11 mg/kg	0.000411 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.31 mg/kg		1.31 mg/kg	0.000131 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.34 mg/kg		3.34 mg/kg	0.000334 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.54 mg/kg		1.54 mg/kg	0.000154 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.39 mg/kg		0.39 mg/kg	0.000039 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.83 mg/kg		1.83 mg/kg	0.000183 %		
28	pH		PH		9.34 pH		9.34 pH	9.34 pH		
Total:								0.0955 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H73

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

Sample details

Sample Name:	LoW Code:
H73	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				135 mg/kg		135 mg/kg	0.0135 %		
			TPH							
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	3.6 mg/kg	1.285	4.627 mg/kg	0.00036 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				63 mg/kg	1.126	70.931 mg/kg	0.00709 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	189 mg/kg		189 mg/kg	0.0189 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.47 mg/kg	1.353	0.636 mg/kg	0.0000636 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				300 mg/kg	1.245	373.414 mg/kg	0.0373 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-917-1	208-96-8							
14	acenaphthene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.41 mg/kg		0.41 mg/kg	0.000041 %		
16	phenanthrene	201-581-5	85-01-8		2.75 mg/kg		2.75 mg/kg	0.000275 %		
17	anthracene	204-371-1	120-12-7		0.72 mg/kg		0.72 mg/kg	0.000072 %		
18	fluoranthene	205-912-4	206-44-0		4.78 mg/kg		4.78 mg/kg	0.000478 %		
19	pyrene	204-927-3	129-00-0		3.74 mg/kg		3.74 mg/kg	0.000374 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.85 mg/kg		2.85 mg/kg	0.000285 %		
21	chrysene	601-048-00-0	205-923-4		3.03 mg/kg		3.03 mg/kg	0.000303 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.87 mg/kg		3.87 mg/kg	0.000387 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.3 mg/kg		1.3 mg/kg	0.00013 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.38 mg/kg		1.38 mg/kg	0.000138 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.34 mg/kg		0.34 mg/kg	0.000034 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.65 mg/kg		1.65 mg/kg	0.000165 %		
28	pH		PH		9.53 pH		9.53 pH	9.53 pH		
Total:								0.0922 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H74

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

Sample details

Sample Name:	LoW Code:	
H74	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				186 mg/kg		186 mg/kg	0.0186 %		
			TPH							
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	3.3 mg/kg	1.285	4.241 mg/kg	0.00033 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				58 mg/kg	1.126	65.302 mg/kg	0.00653 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	177 mg/kg		177 mg/kg	0.0177 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.49 mg/kg	1.353	0.663 mg/kg	0.0000663 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				27 mg/kg	1.579	42.646 mg/kg	0.00426 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
	034-002-00-8									
11	zinc { zinc oxide }				274 mg/kg	1.245	341.052 mg/kg	0.0341 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.18 mg/kg		0.18 mg/kg	0.000018 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-917-1	208-96-8							
14	acenaphthene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.28 mg/kg		0.28 mg/kg	0.000028 %		
16	phenanthrene	201-581-5	85-01-8		1.82 mg/kg		1.82 mg/kg	0.000182 %		
17	anthracene	204-371-1	120-12-7		0.48 mg/kg		0.48 mg/kg	0.000048 %		
18	fluoranthene	205-912-4	206-44-0		3.17 mg/kg		3.17 mg/kg	0.000317 %		
19	pyrene	204-927-3	129-00-0		2.5 mg/kg		2.5 mg/kg	0.00025 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.9 mg/kg		1.9 mg/kg	0.00019 %		
21	chrysene	601-048-00-0	205-923-4		1.9 mg/kg		1.9 mg/kg	0.00019 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.62 mg/kg		2.62 mg/kg	0.000262 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.83 mg/kg		0.83 mg/kg	0.000083 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.53 mg/kg		1.53 mg/kg	0.000153 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.79 mg/kg		0.79 mg/kg	0.000079 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.22 mg/kg		0.22 mg/kg	0.000022 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.99 mg/kg		0.99 mg/kg	0.000099 %		
28	pH		PH		9.76 pH		9.76 pH	9.76 pH		
Total:								0.09 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H75

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

Sample details

Sample Name:	LoW Code:
H75	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				124 mg/kg		124 mg/kg		0.0124 %		
			TPH								
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg		0.00172 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	3.4 mg/kg	1.285	4.37 mg/kg		0.00034 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				32 mg/kg	1.462	46.77 mg/kg		0.00468 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				59 mg/kg	1.126	66.427 mg/kg		0.00664 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	177 mg/kg		177 mg/kg		0.0177 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.37 mg/kg	1.353	0.501 mg/kg		0.0000501 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				28 mg/kg	1.579	44.226 mg/kg		0.00442 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg		0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				283 mg/kg	1.245	352.254 mg/kg		0.0352 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.22 mg/kg		0.22 mg/kg		0.000022 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.05 mg/kg		0.05 mg/kg		0.000005 %		
		205-917-1	208-96-8								
14	acenaphthene				0.33 mg/kg		0.33 mg/kg		0.000033 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.34 mg/kg		0.34 mg/kg	0.000034 %		
16	phenanthrene	201-581-5	85-01-8		2.37 mg/kg		2.37 mg/kg	0.000237 %		
17	anthracene	204-371-1	120-12-7		0.68 mg/kg		0.68 mg/kg	0.000068 %		
18	fluoranthene	205-912-4	206-44-0		4.18 mg/kg		4.18 mg/kg	0.000418 %		
19	pyrene	204-927-3	129-00-0		3.28 mg/kg		3.28 mg/kg	0.000328 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.53 mg/kg		2.53 mg/kg	0.000253 %		
21	chrysene	601-048-00-0	205-923-4		2.41 mg/kg		2.41 mg/kg	0.000241 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.29 mg/kg		3.29 mg/kg	0.000329 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.04 mg/kg		1.04 mg/kg	0.000104 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.97 mg/kg		1.97 mg/kg	0.000197 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.29 mg/kg		1.29 mg/kg	0.000129 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.3 mg/kg		0.3 mg/kg	0.00003 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.49 mg/kg		1.49 mg/kg	0.000149 %		
28	pH		PH		9.44 pH		9.44 pH	9.44 pH		
Total:								0.0865 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H76

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

Sample details

Sample Name:	LoW Code:	
H76	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				15.31 mg/kg		15.31	mg/kg	0.00153 %		
			TPH								
2	arsenic { arsenic trioxide }				9 mg/kg	1.32	11.883	mg/kg	0.00119 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	37 mg/kg	1.285	47.554	mg/kg	0.0037 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				37 mg/kg	1.462	54.078	mg/kg	0.00541 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				56 mg/kg	1.126	63.05	mg/kg	0.0063 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	152 mg/kg		152	mg/kg	0.0152 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.64 mg/kg	1.353	0.866	mg/kg	0.0000866 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				28 mg/kg	1.579	44.226	mg/kg	0.00442 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554	mg/kg	0.000255 %		
	034-002-00-8										
11	zinc { zinc oxide }				282 mg/kg	1.245	351.009	mg/kg	0.0351 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.29 mg/kg		0.29	mg/kg	0.000029 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.05 mg/kg		0.05	mg/kg	0.000005 %		
		205-917-1	208-96-8								
14	acenaphthene				0.51 mg/kg		0.51	mg/kg	0.000051 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.55 mg/kg		0.55 mg/kg	0.000055 %		
16	phenanthrene	201-581-5	85-01-8		3.1 mg/kg		3.1 mg/kg	0.00031 %		
17	anthracene	204-371-1	120-12-7		0.72 mg/kg		0.72 mg/kg	0.000072 %		
18	fluoranthene	205-912-4	206-44-0		4.77 mg/kg		4.77 mg/kg	0.000477 %		
19	pyrene	204-927-3	129-00-0		4.09 mg/kg		4.09 mg/kg	0.000409 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.54 mg/kg		2.54 mg/kg	0.000254 %		
21	chrysene	601-048-00-0	205-923-4		3.17 mg/kg		3.17 mg/kg	0.000317 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.36 mg/kg		3.36 mg/kg	0.000336 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.07 mg/kg		1.07 mg/kg	0.000107 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.05 mg/kg		2.05 mg/kg	0.000205 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.28 mg/kg		1.28 mg/kg	0.000128 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.36 mg/kg		0.36 mg/kg	0.000036 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.62 mg/kg		1.62 mg/kg	0.000162 %		
28	pH		PH		9.41 pH		9.41 pH	9.41 pH		
Total:								0.0763 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H77

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

Sample details

Sample Name:	LoW Code:
H77	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				56.5 mg/kg		56.5 mg/kg	0.00565 %		
			TPH							
2	arsenic { arsenic trioxide }				8 mg/kg	1.32	10.563 mg/kg	0.00106 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	3.1 mg/kg	1.285	3.984 mg/kg	0.00031 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				65 mg/kg	1.462	95.001 mg/kg	0.0095 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	55.169 mg/kg	0.00552 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	115 mg/kg		115 mg/kg	0.0115 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.64 mg/kg	1.353	0.866 mg/kg	0.0000866 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				26 mg/kg	1.579	41.067 mg/kg	0.00411 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				244 mg/kg	1.245	303.71 mg/kg	0.0304 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.11 mg/kg		0.11 mg/kg	0.000011 %		
16	phenanthrene	201-581-5	85-01-8		0.54 mg/kg		0.54 mg/kg	0.000054 %		
17	anthracene	204-371-1	120-12-7		0.13 mg/kg		0.13 mg/kg	0.000013 %		
18	fluoranthene	205-912-4	206-44-0		0.96 mg/kg		0.96 mg/kg	0.000096 %		
19	pyrene	204-927-3	129-00-0		0.85 mg/kg		0.85 mg/kg	0.000085 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.48 mg/kg		0.48 mg/kg	0.000048 %		
21	chrysene	601-048-00-0	205-923-4		0.67 mg/kg		0.67 mg/kg	0.000067 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.7 mg/kg		0.7 mg/kg	0.00007 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.26 mg/kg		0.26 mg/kg	0.000026 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.42 mg/kg		0.42 mg/kg	0.000042 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.25 mg/kg		0.25 mg/kg	0.000025 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.06 mg/kg		0.06 mg/kg	0.000006 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.33 mg/kg		0.33 mg/kg	0.000033 %		
28	pH		PH		8.74 pH		8.74 pH	8.74 pH		
Total:								0.0691 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H78

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

Sample details

Sample Name:	LoW Code:
H78	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				74.63 mg/kg		74.63	mg/kg	0.00746 %		
			TPH								
2	arsenic { arsenic trioxide }				6.2 mg/kg	1.32	8.186	mg/kg	0.000819 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	2.8 mg/kg	1.285	3.599	mg/kg	0.00028 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				32 mg/kg	1.462	46.77	mg/kg	0.00468 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				59 mg/kg	1.126	66.427	mg/kg	0.00664 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	158 mg/kg		158	mg/kg	0.0158 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.74 mg/kg	1.353	1.002	mg/kg	0.0001 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				26 mg/kg	1.579	41.067	mg/kg	0.00411 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554	mg/kg	0.000255 %		
	034-002-00-8										
11	zinc { zinc oxide }				285 mg/kg	1.245	354.743	mg/kg	0.0355 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.31 mg/kg		0.31	mg/kg	0.000031 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.06 mg/kg		0.06	mg/kg	0.000006 %		
		205-917-1	208-96-8								
14	acenaphthene				0.44 mg/kg		0.44	mg/kg	0.000044 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		4.41 mg/kg		4.41 mg/kg	0.000441 %		
16	phenanthrene	201-581-5	85-01-8		2.86 mg/kg		2.86 mg/kg	0.000286 %		
17	anthracene	204-371-1	120-12-7		0.87 mg/kg		0.87 mg/kg	0.000087 %		
18	fluoranthene	205-912-4	206-44-0		4.41 mg/kg		4.41 mg/kg	0.000441 %		
19	pyrene	204-927-3	129-00-0		3.72 mg/kg		3.72 mg/kg	0.000372 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.57 mg/kg		2.57 mg/kg	0.000257 %		
21	chrysene	601-048-00-0	205-923-4		2.89 mg/kg		2.89 mg/kg	0.000289 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.26 mg/kg		3.26 mg/kg	0.000326 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.93 mg/kg		0.93 mg/kg	0.000093 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.86 mg/kg		1.86 mg/kg	0.000186 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.97 mg/kg		0.97 mg/kg	0.000097 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.29 mg/kg		0.29 mg/kg	0.000029 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.31 mg/kg		1.31 mg/kg	0.000131 %		
28	pH		PH		9.54 pH		9.54 pH	9.54 pH		
Total:								0.0789 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H79

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

Sample details

Sample Name:	LoW Code:
H79	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				91.39 mg/kg		91.39 mg/kg	0.00914 %		
			TPH							
2	arsenic { arsenic trioxide }				5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.8 mg/kg	1.285	3.599 mg/kg	0.00028 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				60 mg/kg	1.126	67.553 mg/kg	0.00676 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	162 mg/kg		162 mg/kg	0.0162 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.68 mg/kg	1.353	0.92 mg/kg	0.000092 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				26 mg/kg	1.579	41.067 mg/kg	0.00411 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				290 mg/kg	1.245	360.967 mg/kg	0.0361 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
14	acenaphthene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		3.98 mg/kg		3.98 mg/kg	0.000398 %		
16	phenanthrene	201-581-5	85-01-8		2.7 mg/kg		2.7 mg/kg	0.00027 %		
17	anthracene	204-371-1	120-12-7		0.67 mg/kg		0.67 mg/kg	0.000067 %		
18	fluoranthene	205-912-4	206-44-0		3.98 mg/kg		3.98 mg/kg	0.000398 %		
19	pyrene	204-927-3	129-00-0		3.34 mg/kg		3.34 mg/kg	0.000334 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.4 mg/kg		2.4 mg/kg	0.00024 %		
21	chrysene	601-048-00-0	205-923-4		2.65 mg/kg		2.65 mg/kg	0.000265 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.85 mg/kg		2.85 mg/kg	0.000285 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.84 mg/kg		0.84 mg/kg	0.000084 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.74 mg/kg		1.74 mg/kg	0.000174 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.94 mg/kg		0.94 mg/kg	0.000094 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.29 mg/kg		0.29 mg/kg	0.000029 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.28 mg/kg		1.28 mg/kg	0.000128 %		
28	pH		PH		9.44 pH		9.44 pH	9.44 pH		
Total:								0.0818 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H80

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

Sample details

Sample Name:	LoW Code:
H80	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				28.11 mg/kg		28.11 mg/kg	0.00281 %		
			TPH							
2	arsenic { arsenic trioxide }				3.2 mg/kg	1.32	4.225 mg/kg	0.000423 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.5 mg/kg	1.285	3.213 mg/kg	0.00025 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				54 mg/kg	1.126	60.798 mg/kg	0.00608 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	96 mg/kg		96 mg/kg	0.0096 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.24 mg/kg	1.353	0.325 mg/kg	0.0000325 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				23 mg/kg	1.579	36.328 mg/kg	0.00363 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				264 mg/kg	1.245	328.604 mg/kg	0.0329 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.02 mg/kg		0.02 mg/kg	0.000002 %		
		205-917-1	208-96-8							
14	acenaphthene				0.34 mg/kg		0.34 mg/kg	0.000034 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		2.51 mg/kg		2.51 mg/kg	0.000251 %		
16	phenanthrene	201-581-5	85-01-8		1.6 mg/kg		1.6 mg/kg	0.00016 %		
17	anthracene	204-371-1	120-12-7		0.42 mg/kg		0.42 mg/kg	0.000042 %		
18	fluoranthene	205-912-4	206-44-0		2.51 mg/kg		2.51 mg/kg	0.000251 %		
19	pyrene	204-927-3	129-00-0		2.12 mg/kg		2.12 mg/kg	0.000212 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.38 mg/kg		1.38 mg/kg	0.000138 %		
21	chrysene	601-048-00-0	205-923-4		1.6 mg/kg		1.6 mg/kg	0.00016 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.87 mg/kg		1.87 mg/kg	0.000187 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.55 mg/kg		0.55 mg/kg	0.000055 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.04 mg/kg		1.04 mg/kg	0.000104 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.53 mg/kg		0.53 mg/kg	0.000053 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.17 mg/kg		0.17 mg/kg	0.000017 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.74 mg/kg		0.74 mg/kg	0.000074 %		
28	pH		PH		8.36 pH		8.36 pH	8.36 pH		
Total:								0.0623 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H81

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

Sample details

Sample Name:	LoW Code:
H81	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				3.3 mg/kg		3.3 mg/kg	0.00033 %		
			TPH							
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.5 mg/kg	1.285	3.213 mg/kg	0.00025 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				28 mg/kg	1.462	40.924 mg/kg	0.00409 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				59 mg/kg	1.126	66.427 mg/kg	0.00664 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	237 mg/kg		237 mg/kg	0.0237 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.95 mg/kg	1.353	1.286 mg/kg	0.000129 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				27 mg/kg	1.579	42.646 mg/kg	0.00426 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
	034-002-00-8									
11	zinc { zinc oxide }				277 mg/kg	1.245	344.786 mg/kg	0.0345 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.24 mg/kg		0.24 mg/kg	0.000024 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
14	acenaphthene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.36 mg/kg		0.36 mg/kg	0.000036 %		
16	phenanthrene	201-581-5	85-01-8		2.42 mg/kg		2.42 mg/kg	0.000242 %		
17	anthracene	204-371-1	120-12-7		0.55 mg/kg		0.55 mg/kg	0.000055 %		
18	fluoranthene	205-912-4	206-44-0		3.14 mg/kg		3.14 mg/kg	0.000314 %		
19	pyrene	204-927-3	129-00-0		2.47 mg/kg		2.47 mg/kg	0.000247 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.9 mg/kg		1.9 mg/kg	0.00019 %		
21	chrysene	601-048-00-0	205-923-4		2.24 mg/kg		2.24 mg/kg	0.000224 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.9 mg/kg		1.9 mg/kg	0.00019 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.56 mg/kg		0.56 mg/kg	0.000056 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.49 mg/kg		1.49 mg/kg	0.000149 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.96 mg/kg		0.96 mg/kg	0.000096 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.33 mg/kg		0.33 mg/kg	0.000033 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.17 mg/kg		1.17 mg/kg	0.000117 %		
28	pH		PH		9.15 pH		9.15 pH	9.15 pH		
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H82

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

Sample details

Sample Name:	LoW Code:
H82	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg		<0.001 %		<LOD
2	arsenic { arsenic trioxide }				18 mg/kg	1.32	23.766 mg/kg		0.00238 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	2.6 mg/kg	1.285	3.342 mg/kg		0.00026 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				32 mg/kg	1.462	46.77 mg/kg		0.00468 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				69 mg/kg	1.126	77.686 mg/kg		0.00777 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	261 mg/kg		261 mg/kg		0.0261 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.81 mg/kg	1.353	1.096 mg/kg		0.00011 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg		0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg		0.000255 %		
	034-002-00-8										
11	zinc { zinc oxide }				320 mg/kg	1.245	398.308 mg/kg		0.0398 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.13 mg/kg		0.13 mg/kg		0.000013 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.03 mg/kg		0.03 mg/kg		0.000003 %		
		205-917-1	208-96-8								
14	acenaphthene				0.15 mg/kg		0.15 mg/kg		0.000015 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.17 mg/kg		0.17 mg/kg	0.000017 %		
16	phenanthrene	201-581-5	85-01-8		1.25 mg/kg		1.25 mg/kg	0.000125 %		
17	anthracene	204-371-1	120-12-7		0.26 mg/kg		0.26 mg/kg	0.000026 %		
18	fluoranthene	205-912-4	206-44-0		2.27 mg/kg		2.27 mg/kg	0.000227 %		
19	pyrene	204-927-3	129-00-0		1.81 mg/kg		1.81 mg/kg	0.000181 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.42 mg/kg		1.42 mg/kg	0.000142 %		
21	chrysene	601-048-00-0	205-923-4		1.65 mg/kg		1.65 mg/kg	0.000165 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.43 mg/kg		1.43 mg/kg	0.000143 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.42 mg/kg		0.42 mg/kg	0.000042 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.14 mg/kg		1.14 mg/kg	0.000114 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.7 mg/kg		0.7 mg/kg	0.00007 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.24 mg/kg		0.24 mg/kg	0.000024 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.89 mg/kg		0.89 mg/kg	0.000089 %		
28	pH		PH		8.87 pH		8.87 pH	8.87 pH		
Total:								0.0887 %		

Key

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

Classification of sample: H83

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

Sample details

Sample Name:	LoW Code:
H83	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg		<0.001 %		<LOD
			TPH								
2	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844 mg/kg		0.00158 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	3.2 mg/kg	1.285	4.113 mg/kg		0.00032 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				65 mg/kg	1.462	95.001 mg/kg		0.0095 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				52 mg/kg	1.126	58.546 mg/kg		0.00585 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	126 mg/kg		126 mg/kg		0.0126 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.19 mg/kg	1.353	0.257 mg/kg		0.0000257 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				18 mg/kg	1.579	28.431 mg/kg		0.00284 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg		0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				605 mg/kg	1.245	753.052 mg/kg		0.0753 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.2 mg/kg		0.2 mg/kg		0.00002 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.04 mg/kg		0.04 mg/kg		0.000004 %		
		205-917-1	208-96-8								
14	acenaphthene				0.21 mg/kg		0.21 mg/kg		0.000021 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.21 mg/kg		0.21 mg/kg	0.000021 %		
16	phenanthrene	201-581-5	85-01-8		1.6 mg/kg		1.6 mg/kg	0.00016 %		
17	anthracene	204-371-1	120-12-7		0.32 mg/kg		0.32 mg/kg	0.000032 %		
18	fluoranthene	205-912-4	206-44-0		2.79 mg/kg		2.79 mg/kg	0.000279 %		
19	pyrene	204-927-3	129-00-0		2.27 mg/kg		2.27 mg/kg	0.000227 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.73 mg/kg		1.73 mg/kg	0.000173 %		
21	chrysene	601-048-00-0	205-923-4		2.06 mg/kg		2.06 mg/kg	0.000206 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.64 mg/kg		0.64 mg/kg	0.000064 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.64 mg/kg		0.64 mg/kg	0.000064 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.52 mg/kg		1.52 mg/kg	0.000152 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.97 mg/kg		0.97 mg/kg	0.000097 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.33 mg/kg		0.33 mg/kg	0.000033 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %		
28	pH		PH		8.2 pH		8.2 pH	8.2 pH		
Total:								0.111 %		

Key

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

Classification of sample: H84

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

Sample details

Sample Name:	LoW Code:
H84	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg		<0.001 %		<LOD
2	arsenic { arsenic trioxide }				14 mg/kg	1.32	18.485 mg/kg		0.00185 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	3.8 mg/kg	1.285	4.884 mg/kg		0.00038 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				36 mg/kg	1.462	52.616 mg/kg		0.00526 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				140 mg/kg	1.126	157.624 mg/kg		0.0158 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	229 mg/kg		229 mg/kg		0.0229 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.8 mg/kg	1.353	1.083 mg/kg		0.000108 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				31 mg/kg	1.579	48.964 mg/kg		0.0049 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg		0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				329 mg/kg	1.245	409.511 mg/kg		0.041 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.15 mg/kg		0.15 mg/kg		0.000015 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.03 mg/kg		0.03 mg/kg		0.000003 %		
		205-917-1	208-96-8								
14	acenaphthene				0.25 mg/kg		0.25 mg/kg		0.000025 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.25 mg/kg		0.25 mg/kg	0.000025 %		
16	phenanthrene	201-581-5	85-01-8		1.74 mg/kg		1.74 mg/kg	0.000174 %		
17	anthracene	204-371-1	120-12-7		0.38 mg/kg		0.38 mg/kg	0.000038 %		
18	fluoranthene	205-912-4	206-44-0		2.66 mg/kg		2.66 mg/kg	0.000266 %		
19	pyrene	204-927-3	129-00-0		2.08 mg/kg		2.08 mg/kg	0.000208 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.69 mg/kg		1.69 mg/kg	0.000169 %		
21	chrysene	601-048-00-0	205-923-4		2.03 mg/kg		2.03 mg/kg	0.000203 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.59 mg/kg		0.59 mg/kg	0.000059 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.59 mg/kg		0.59 mg/kg	0.000059 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.32 mg/kg		1.32 mg/kg	0.000132 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.78 mg/kg		0.78 mg/kg	0.000078 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.28 mg/kg		0.28 mg/kg	0.000028 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.99 mg/kg		0.99 mg/kg	0.000099 %		
28	pH		PH		9.07 pH		9.07 pH	9.07 pH		
Total:								0.0954 %		

Key

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

Classification of sample: H85

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

Sample details

Sample Name:	LoW Code:
H85	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				0.12 mg/kg		0.12 mg/kg	0.000012 %		
			TPH							
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	3.1 mg/kg	1.285	3.984 mg/kg	0.00031 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				105 mg/kg	1.126	118.218 mg/kg	0.0118 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	305 mg/kg		305 mg/kg	0.0305 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.53 mg/kg	1.353	0.717 mg/kg	0.0000717 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				28 mg/kg	1.579	44.226 mg/kg	0.00442 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
	034-002-00-8									
11	zinc { zinc oxide }				302 mg/kg	1.245	375.904 mg/kg	0.0376 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
14	acenaphthene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.33 mg/kg		0.33 mg/kg	0.000033 %		
16	phenanthrene	201-581-5	85-01-8		2.48 mg/kg		2.48 mg/kg	0.000248 %		
17	anthracene	204-371-1	120-12-7		0.49 mg/kg		0.49 mg/kg	0.000049 %		
18	fluoranthene	205-912-4	206-44-0		4.11 mg/kg		4.11 mg/kg	0.000411 %		
19	pyrene	204-927-3	129-00-0		3.22 mg/kg		3.22 mg/kg	0.000322 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.46 mg/kg		2.46 mg/kg	0.000246 %		
21	chrysene	601-048-00-0	205-923-4		2.99 mg/kg		2.99 mg/kg	0.000299 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.79 mg/kg		0.79 mg/kg	0.000079 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.79 mg/kg		0.79 mg/kg	0.000079 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.04 mg/kg		2.04 mg/kg	0.000204 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.28 mg/kg		1.28 mg/kg	0.000128 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.43 mg/kg		0.43 mg/kg	0.000043 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.57 mg/kg		1.57 mg/kg	0.000157 %		
28	pH		PH		8.98 pH		8.98 pH	8.98 pH		
Total:								0.0942 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H86

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

Sample details

Sample Name:	LoW Code:
H86	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				97 mg/kg		97 mg/kg	0.0097 %		
			TPH							
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.2 mg/kg	1.285	2.828 mg/kg	0.00022 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				105 mg/kg	1.126	118.218 mg/kg	0.0118 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	210 mg/kg		210 mg/kg	0.021 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.59 mg/kg	1.353	2.152 mg/kg	0.000215 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				406 mg/kg	1.245	505.354 mg/kg	0.0505 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-917-1	208-96-8							
14	acenaphthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.33 mg/kg		0.33 mg/kg	0.000033 %		
16	phenanthrene	201-581-5	85-01-8		2.56 mg/kg		2.56 mg/kg	0.000256 %		
17	anthracene	204-371-1	120-12-7		0.67 mg/kg		0.67 mg/kg	0.000067 %		
18	fluoranthene	205-912-4	206-44-0		4.92 mg/kg		4.92 mg/kg	0.000492 %		
19	pyrene	204-927-3	129-00-0		3.99 mg/kg		3.99 mg/kg	0.000399 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		3.17 mg/kg		3.17 mg/kg	0.000317 %		
21	chrysene	601-048-00-0	205-923-4		3.57 mg/kg		3.57 mg/kg	0.000357 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.03 mg/kg		4.03 mg/kg	0.000403 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.25 mg/kg		1.25 mg/kg	0.000125 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.73 mg/kg		2.73 mg/kg	0.000273 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.5 mg/kg		1.5 mg/kg	0.00015 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.5 mg/kg		0.5 mg/kg	0.00005 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.77 mg/kg		1.77 mg/kg	0.000177 %		
28	pH		PH		9.52 pH		9.52 pH	9.52 pH		
Total:								0.109 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H87

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

Sample details

Sample Name:	LoW Code:
H87	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				281 mg/kg		281 mg/kg	0.0281 %		
			TPH							
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.6 mg/kg	1.285	2.056 mg/kg	0.00016 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				78 mg/kg	1.126	87.819 mg/kg	0.00878 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	170 mg/kg		170 mg/kg	0.017 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.95 mg/kg	1.353	1.286 mg/kg	0.000129 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				290 mg/kg	1.245	360.967 mg/kg	0.0361 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
14	acenaphthene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.4 mg/kg		0.4 mg/kg	0.00004 %		
16	phenanthrene	201-581-5	85-01-8		2.57 mg/kg		2.57 mg/kg	0.000257 %		
17	anthracene	204-371-1	120-12-7		0.7 mg/kg		0.7 mg/kg	0.00007 %		
18	fluoranthene	205-912-4	206-44-0		4.4 mg/kg		4.4 mg/kg	0.00044 %		
19	pyrene	204-927-3	129-00-0		3.51 mg/kg		3.51 mg/kg	0.000351 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.63 mg/kg		2.63 mg/kg	0.000263 %		
21	chrysene	601-048-00-0	205-923-4		2.88 mg/kg		2.88 mg/kg	0.000288 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.29 mg/kg		3.29 mg/kg	0.000329 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.96 mg/kg		0.96 mg/kg	0.000096 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.1 mg/kg		2.1 mg/kg	0.00021 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.91 mg/kg		0.91 mg/kg	0.000091 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.33 mg/kg		0.33 mg/kg	0.000033 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.14 mg/kg		1.14 mg/kg	0.000114 %		
28	pH		PH		8.78 pH		8.78 pH	8.78 pH		
Total:								0.105 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H88

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

Sample details

Sample Name:	LoW Code:
H88	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				94 mg/kg		94 mg/kg	0.0094 %		
			TPH							
2	arsenic { arsenic trioxide }				14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.6 mg/kg	1.285	2.056 mg/kg	0.00016 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				79 mg/kg	1.126	88.945 mg/kg	0.00889 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	171 mg/kg		171 mg/kg	0.0171 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.99 mg/kg	1.353	1.34 mg/kg	0.000134 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
	034-002-00-8									
11	zinc { zinc oxide }				298 mg/kg	1.245	370.925 mg/kg	0.0371 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.18 mg/kg		0.18 mg/kg	0.000018 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-917-1	208-96-8							
14	acenaphthene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.23 mg/kg		0.23 mg/kg	0.000023 %		
16	phenanthrene	201-581-5	85-01-8		1.84 mg/kg		1.84 mg/kg	0.000184 %		
17	anthracene	204-371-1	120-12-7		0.48 mg/kg		0.48 mg/kg	0.000048 %		
18	fluoranthene	205-912-4	206-44-0		3.7 mg/kg		3.7 mg/kg	0.00037 %		
19	pyrene	204-927-3	129-00-0		3 mg/kg		3 mg/kg	0.0003 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.49 mg/kg		2.49 mg/kg	0.000249 %		
21	chrysene	601-048-00-0	205-923-4		2.76 mg/kg		2.76 mg/kg	0.000276 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.16 mg/kg		3.16 mg/kg	0.000316 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.98 mg/kg		0.98 mg/kg	0.000098 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.11 mg/kg		2.11 mg/kg	0.000211 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.1 mg/kg		1.1 mg/kg	0.00011 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.38 mg/kg		0.38 mg/kg	0.000038 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.31 mg/kg		1.31 mg/kg	0.000131 %		
28	pH		PH		8.73 pH		8.73 pH	8.73 pH		
Total:								0.087 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H89

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

Sample details

Sample Name:	LoW Code:
H89	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				99 mg/kg		99 mg/kg	0.0099 %		
			TPH							
2	arsenic { arsenic trioxide }				14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.7 mg/kg	1.285	2.185 mg/kg	0.00017 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				28 mg/kg	1.462	40.924 mg/kg	0.00409 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				82 mg/kg	1.126	92.323 mg/kg	0.00923 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	176 mg/kg		176 mg/kg	0.0176 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.72 mg/kg	1.353	2.328 mg/kg	0.000233 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				25 mg/kg	1.579	39.487 mg/kg	0.00395 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				283 mg/kg	1.245	352.254 mg/kg	0.0352 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.03 mg/kg		0.03 mg/kg	0.000003 %		
		205-917-1	208-96-8							
14	acenaphthene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.25 mg/kg		0.25 mg/kg	0.000025 %		
16	phenanthrene	201-581-5	85-01-8		2.06 mg/kg		2.06 mg/kg	0.000206 %		
17	anthracene	204-371-1	120-12-7		0.48 mg/kg		0.48 mg/kg	0.000048 %		
18	fluoranthene	205-912-4	206-44-0		3.67 mg/kg		3.67 mg/kg	0.000367 %		
19	pyrene	204-927-3	129-00-0		2.84 mg/kg		2.84 mg/kg	0.000284 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.28 mg/kg		2.28 mg/kg	0.000228 %		
21	chrysene	601-048-00-0	205-923-4		2.62 mg/kg		2.62 mg/kg	0.000262 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.22 mg/kg		3.22 mg/kg	0.000322 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.97 mg/kg		0.97 mg/kg	0.000097 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.07 mg/kg		2.07 mg/kg	0.000207 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.04 mg/kg		1.04 mg/kg	0.000104 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.36 mg/kg		0.36 mg/kg	0.000036 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.24 mg/kg		1.24 mg/kg	0.000124 %		
28	pH		PH		8.75 pH		8.75 pH	8.75 pH		
Total:								0.0853 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H90

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

Sample details

Sample Name:	LoW Code:
H90	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				142 mg/kg		142 mg/kg	0.0142 %		
			TPH							
2	arsenic { arsenic trioxide }				14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.6 mg/kg	1.285	2.056 mg/kg	0.00016 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				77 mg/kg	1.126	86.693 mg/kg	0.00867 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	167 mg/kg		167 mg/kg	0.0167 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.05 mg/kg	1.353	1.421 mg/kg	0.000142 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				282 mg/kg	1.245	351.009 mg/kg	0.0351 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-917-1	208-96-8							
14	acenaphthene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.18 mg/kg		0.18 mg/kg	0.000018 %		
16	phenanthrene	201-581-5	85-01-8		1.49 mg/kg		1.49 mg/kg	0.000149 %		
17	anthracene	204-371-1	120-12-7		0.34 mg/kg		0.34 mg/kg	0.000034 %		
18	fluoranthene	205-912-4	206-44-0		2.64 mg/kg		2.64 mg/kg	0.000264 %		
19	pyrene	204-927-3	129-00-0		2.08 mg/kg		2.08 mg/kg	0.000208 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.73 mg/kg		1.73 mg/kg	0.000173 %		
21	chrysene	601-048-00-0	205-923-4		1.93 mg/kg		1.93 mg/kg	0.000193 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.22 mg/kg		2.22 mg/kg	0.000222 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.72 mg/kg		0.72 mg/kg	0.000072 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.48 mg/kg		1.48 mg/kg	0.000148 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.81 mg/kg		0.81 mg/kg	0.000081 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.28 mg/kg		0.28 mg/kg	0.000028 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.95 mg/kg		0.95 mg/kg	0.000095 %		
28	pH		PH		8.78 pH		8.78 pH	8.78 pH		
Total:								0.0886 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H91

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

Sample details

Sample Name:	LoW Code:
H91	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				369 mg/kg		369 mg/kg	0.0369 %		
			TPH							
2	arsenic { arsenic trioxide }				16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.8 mg/kg	1.285	2.313 mg/kg	0.00018 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				85 mg/kg	1.126	95.701 mg/kg	0.00957 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	185 mg/kg		185 mg/kg	0.0185 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.96 mg/kg	1.353	2.653 mg/kg	0.000265 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				307 mg/kg	1.245	382.127 mg/kg	0.0382 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.04 mg/kg		0.04 mg/kg	0.000004 %		
		205-917-1	208-96-8							
14	acenaphthene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.38 mg/kg		0.38 mg/kg	0.000038 %		
16	phenanthrene	201-581-5	85-01-8		2.74 mg/kg		2.74 mg/kg	0.000274 %		
17	anthracene	204-371-1	120-12-7		0.59 mg/kg		0.59 mg/kg	0.000059 %		
18	fluoranthene	205-912-4	206-44-0		4.25 mg/kg		4.25 mg/kg	0.000425 %		
19	pyrene	204-927-3	129-00-0		3.24 mg/kg		3.24 mg/kg	0.000324 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.63 mg/kg		2.63 mg/kg	0.000263 %		
21	chrysene	601-048-00-0	205-923-4		2.98 mg/kg		2.98 mg/kg	0.000298 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.42 mg/kg		3.42 mg/kg	0.000342 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.97 mg/kg		0.97 mg/kg	0.000097 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.25 mg/kg		2.25 mg/kg	0.000225 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.19 mg/kg		1.19 mg/kg	0.000119 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.4 mg/kg		0.4 mg/kg	0.00004 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.38 mg/kg		1.38 mg/kg	0.000138 %		
28	pH		PH		8.64 pH		8.64 pH	8.64 pH		
Total:								0.119 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H92

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

Sample details

Sample Name:	LoW Code:
H92	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				13.3 mg/kg		13.3 mg/kg		0.00133 %		
			TPH								
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg		0.00198 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	3.3 mg/kg	1.285	4.241 mg/kg		0.00033 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				45 mg/kg	1.462	65.77 mg/kg		0.00658 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg		<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				155 mg/kg	1.126	174.513 mg/kg		0.0175 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	308 mg/kg		308 mg/kg		0.0308 %		
	082-001-00-6										
8	mercury { mercury dichloride }				2.88 mg/kg	1.353	3.898 mg/kg		0.00039 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				40 mg/kg	1.579	63.18 mg/kg		0.00632 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg		0.000511 %		
	034-002-00-8										
11	zinc { zinc oxide }				600 mg/kg	1.245	746.828 mg/kg		0.0747 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.41 mg/kg		0.41 mg/kg		0.000041 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.09 mg/kg		0.09 mg/kg		0.000009 %		
		205-917-1	208-96-8								
14	acenaphthene				0.72 mg/kg		0.72 mg/kg		0.000072 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.74 mg/kg		0.74 mg/kg	0.000074 %		
16	phenanthrene	201-581-5	85-01-8		3.79 mg/kg		3.79 mg/kg	0.000379 %		
17	anthracene	204-371-1	120-12-7		1.38 mg/kg		1.38 mg/kg	0.000138 %		
18	fluoranthene	205-912-4	206-44-0		7.43 mg/kg		7.43 mg/kg	0.000743 %		
19	pyrene	204-927-3	129-00-0		6.17 mg/kg		6.17 mg/kg	0.000617 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.11 mg/kg		4.11 mg/kg	0.000411 %		
21	chrysene	601-048-00-0	205-923-4		5.08 mg/kg		5.08 mg/kg	0.000508 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.86 mg/kg		5.86 mg/kg	0.000586 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.64 mg/kg		1.64 mg/kg	0.000164 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.88 mg/kg		3.88 mg/kg	0.000388 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.65 mg/kg		1.65 mg/kg	0.000165 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.57 mg/kg		0.57 mg/kg	0.000057 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.23 mg/kg		2.23 mg/kg	0.000223 %		
28	pH		PH		8.77 pH		8.77 pH	8.77 pH		
Total:								0.145 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H93

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

Sample details

Sample Name:	LoW Code:
H93	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				73 mg/kg		73 mg/kg	0.0073 %		
			TPH							
2	arsenic { arsenic trioxide }				14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.5 mg/kg	1.285	3.213 mg/kg	0.00025 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				38 mg/kg	1.462	55.539 mg/kg	0.00555 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				124 mg/kg	1.126	139.61 mg/kg	0.014 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	264 mg/kg		264 mg/kg	0.0264 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.6 mg/kg	1.353	2.166 mg/kg	0.000217 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				40 mg/kg	1.579	63.18 mg/kg	0.00632 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				2 mg/kg	2.554	5.107 mg/kg	0.000511 %		
	034-002-00-8									
11	zinc { zinc oxide }				566 mg/kg	1.245	704.508 mg/kg	0.0705 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		205-917-1	208-96-8							
14	acenaphthene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.45 mg/kg		0.45 mg/kg	0.000045 %		
16	phenanthrene	201-581-5	85-01-8		2.55 mg/kg		2.55 mg/kg	0.000255 %		
17	anthracene	204-371-1	120-12-7		0.94 mg/kg		0.94 mg/kg	0.000094 %		
18	fluoranthene	205-912-4	206-44-0		4.66 mg/kg		4.66 mg/kg	0.000466 %		
19	pyrene	204-927-3	129-00-0		3.64 mg/kg		3.64 mg/kg	0.000364 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.52 mg/kg		2.52 mg/kg	0.000252 %		
21	chrysene	601-048-00-0	205-923-4		3.01 mg/kg		3.01 mg/kg	0.000301 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.33 mg/kg		3.33 mg/kg	0.000333 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1 mg/kg		1 mg/kg	0.0001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.35 mg/kg		2.35 mg/kg	0.000235 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.13 mg/kg		1.13 mg/kg	0.000113 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.36 mg/kg		0.36 mg/kg	0.000036 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.49 mg/kg		1.49 mg/kg	0.000149 %		
28	pH		PH		8.62 pH		8.62 pH	8.62 pH		
Total:								0.136 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H94

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

Sample details

Sample Name:	LoW Code:	
H94	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				275.2 mg/kg		275.2	mg/kg	0.0275 %		
			TPH								
2	arsenic { arsenic trioxide }				28 mg/kg	1.32	36.969	mg/kg	0.0037 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.6 mg/kg	1.285	2.056	mg/kg	0.00016 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				46 mg/kg	1.462	67.232	mg/kg	0.00672 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				120 mg/kg	1.126	135.107	mg/kg	0.0135 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	340 mg/kg		340	mg/kg	0.034 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1 mg/kg	1.353	1.353	mg/kg	0.000135 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				45 mg/kg	1.579	71.077	mg/kg	0.00711 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				560 mg/kg	1.245	697.04	mg/kg	0.0697 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.52 mg/kg		0.52	mg/kg	0.000052 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.26 mg/kg		0.26	mg/kg	0.000026 %		
		205-917-1	208-96-8								
14	acenaphthene				0.66 mg/kg		0.66	mg/kg	0.000066 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.85 mg/kg		0.85 mg/kg	0.000085 %		
16	phenanthrene	201-581-5	85-01-8		3.8 mg/kg		3.8 mg/kg	0.00038 %		
17	anthracene	204-371-1	120-12-7		0.9 mg/kg		0.9 mg/kg	0.00009 %		
18	fluoranthene	205-912-4	206-44-0		6.4 mg/kg		6.4 mg/kg	0.00064 %		
19	pyrene	204-927-3	129-00-0		6.1 mg/kg		6.1 mg/kg	0.00061 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		3.5 mg/kg		3.5 mg/kg	0.00035 %		
21	chrysene	601-048-00-0	205-923-4		4.5 mg/kg		4.5 mg/kg	0.00045 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.4 mg/kg		4.4 mg/kg	0.00044 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.7 mg/kg		2.7 mg/kg	0.00027 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.7 mg/kg		3.7 mg/kg	0.00037 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.6 mg/kg		2.6 mg/kg	0.00026 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.81 mg/kg		0.81 mg/kg	0.000081 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.6 mg/kg		2.6 mg/kg	0.00026 %		
28	pH		PH		8.6 pH		8.6 pH	8.6 pH		
Total:								0.167 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H95

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

Sample details

Sample Name:	LoW Code:
H95	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				206.7 mg/kg		206.7	mg/kg	0.0207 %		
			TPH								
2	arsenic { arsenic trioxide }				35 mg/kg	1.32	46.211	mg/kg	0.00462 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.671	mg/kg	0.00013 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				37 mg/kg	1.462	54.078	mg/kg	0.00541 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				86 mg/kg	1.126	96.826	mg/kg	0.00968 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	260 mg/kg		260	mg/kg	0.026 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1.6 mg/kg	1.353	2.166	mg/kg	0.000217 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				35 mg/kg	1.579	55.282	mg/kg	0.00553 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				360 mg/kg	1.245	448.097	mg/kg	0.0448 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.81 mg/kg		0.81	mg/kg	0.000081 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.26 mg/kg		0.26	mg/kg	0.000026 %		
		205-917-1	208-96-8								
14	acenaphthene				0.83 mg/kg		0.83	mg/kg	0.000083 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1.1 mg/kg		1.1 mg/kg	0.00011 %		
16	phenanthrene	201-581-5	85-01-8		6 mg/kg		6 mg/kg	0.0006 %		
17	anthracene	204-371-1	120-12-7		1.6 mg/kg		1.6 mg/kg	0.00016 %		
18	fluoranthene	205-912-4	206-44-0		8.7 mg/kg		8.7 mg/kg	0.00087 %		
19	pyrene	204-927-3	129-00-0		7.7 mg/kg		7.7 mg/kg	0.00077 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.7 mg/kg		4.7 mg/kg	0.00047 %		
21	chrysene	601-048-00-0	205-923-4		6.8 mg/kg		6.8 mg/kg	0.00068 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		6.6 mg/kg		6.6 mg/kg	0.00066 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.2 mg/kg		3.2 mg/kg	0.00032 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4.5 mg/kg		4.5 mg/kg	0.00045 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4.2 mg/kg		4.2 mg/kg	0.00042 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.2 mg/kg		3.2 mg/kg	0.00032 %		
28	pH		PH		9.5 pH		9.5 pH	9.5 pH		
Total:								0.123 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H96

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

Sample details

Sample Name:	LoW Code:
H96	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				354 mg/kg		354 mg/kg	0.0354 %		
			TPH							
2	arsenic { arsenic trioxide }				31 mg/kg	1.32	40.93 mg/kg	0.00409 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.671 mg/kg	0.00013 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				40 mg/kg	1.462	58.462 mg/kg	0.00585 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	350 mg/kg		350 mg/kg	0.035 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1 mg/kg	1.353	1.353 mg/kg	0.000135 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				41 mg/kg	1.579	64.759 mg/kg	0.00648 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				440 mg/kg	1.245	547.674 mg/kg	0.0548 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.41 mg/kg		0.41 mg/kg	0.000041 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-917-1	208-96-8							
14	acenaphthene				0.66 mg/kg		0.66 mg/kg	0.000066 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.54 mg/kg		0.54 mg/kg	0.000054 %		
16	phenanthrene	201-581-5	85-01-8		4.1 mg/kg		4.1 mg/kg	0.00041 %		
17	anthracene	204-371-1	120-12-7		1.1 mg/kg		1.1 mg/kg	0.00011 %		
18	fluoranthene	205-912-4	206-44-0		6.6 mg/kg		6.6 mg/kg	0.00066 %		
19	pyrene	204-927-3	129-00-0		6.3 mg/kg		6.3 mg/kg	0.00063 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.1 mg/kg		4.1 mg/kg	0.00041 %		
21	chrysene	601-048-00-0	205-923-4		6.4 mg/kg		6.4 mg/kg	0.00064 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.4 mg/kg		5.4 mg/kg	0.00054 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.9 mg/kg		2.9 mg/kg	0.00029 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.7 mg/kg		3.7 mg/kg	0.00037 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.3 mg/kg		3.3 mg/kg	0.00033 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.3 mg/kg		1.3 mg/kg	0.00013 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.5 mg/kg		2.5 mg/kg	0.00025 %		
28	pH		PH		8.7 pH		8.7 pH	8.7 pH		
Total:								0.159 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H97

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

Sample details

Sample Name:	LoW Code:
H97	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				288 mg/kg		288 mg/kg	0.0288 %		
			TPH							
2	arsenic { arsenic trioxide }				36 mg/kg	1.32	47.532 mg/kg	0.00475 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.671 mg/kg	0.00013 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				91 mg/kg	1.126	102.456 mg/kg	0.0102 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	280 mg/kg		280 mg/kg	0.028 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.895 mg/kg	0.000189 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				37 mg/kg	1.579	58.441 mg/kg	0.00584 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				390 mg/kg	1.245	485.438 mg/kg	0.0485 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.72 mg/kg		0.72 mg/kg	0.000072 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
		205-917-1	208-96-8							
14	acenaphthene				0.86 mg/kg		0.86 mg/kg	0.000086 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1 mg/kg		1 mg/kg	0.0001 %		
16	phenanthrene	201-581-5	85-01-8		5.7 mg/kg		5.7 mg/kg	0.00057 %		
17	anthracene	204-371-1	120-12-7		1.4 mg/kg		1.4 mg/kg	0.00014 %		
18	fluoranthene	205-912-4	206-44-0		9.3 mg/kg		9.3 mg/kg	0.00093 %		
19	pyrene	204-927-3	129-00-0		8.3 mg/kg		8.3 mg/kg	0.00083 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5.2 mg/kg		5.2 mg/kg	0.00052 %		
21	chrysene	601-048-00-0	205-923-4		7.6 mg/kg		7.6 mg/kg	0.00076 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		7.1 mg/kg		7.1 mg/kg	0.00071 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.4 mg/kg		3.4 mg/kg	0.00034 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5 mg/kg		5 mg/kg	0.0005 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4 mg/kg		4 mg/kg	0.0004 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.8 mg/kg		1.8 mg/kg	0.00018 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.6 mg/kg		3.6 mg/kg	0.00036 %		
28	pH		PH		9.1 pH		9.1 pH	9.1 pH		
Total:								0.139 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H98

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

Sample details

Sample Name:	LoW Code:
H98	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				337 mg/kg		337 mg/kg	0.0337 %		
			TPH							
2	arsenic { arsenic trioxide }				36 mg/kg	1.32	47.532 mg/kg	0.00475 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.2 mg/kg	1.285	1.542 mg/kg	0.00012 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				90 mg/kg	1.126	101.33 mg/kg	0.0101 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	270 mg/kg		270 mg/kg	0.027 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.6 mg/kg	1.353	2.166 mg/kg	0.000217 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				37 mg/kg	1.579	58.441 mg/kg	0.00584 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				380 mg/kg	1.245	472.991 mg/kg	0.0473 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.84 mg/kg		0.84 mg/kg	0.000084 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.54 mg/kg		0.54 mg/kg	0.000054 %		
		205-917-1	208-96-8							
14	acenaphthene				0.94 mg/kg		0.94 mg/kg	0.000094 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1.3 mg/kg		1.3 mg/kg	0.00013 %		
16	phenanthrene	201-581-5	85-01-8		7.7 mg/kg		7.7 mg/kg	0.00077 %		
17	anthracene	204-371-1	120-12-7		6.2 mg/kg		6.2 mg/kg	0.00062 %		
18	fluoranthene	205-912-4	206-44-0		12 mg/kg		12 mg/kg	0.0012 %		
19	pyrene	204-927-3	129-00-0		12 mg/kg		12 mg/kg	0.0012 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		7 mg/kg		7 mg/kg	0.0007 %		
21	chrysene	601-048-00-0	205-923-4		11 mg/kg		11 mg/kg	0.0011 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.2 mg/kg		9.2 mg/kg	0.00092 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		4.6 mg/kg		4.6 mg/kg	0.00046 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		6.8 mg/kg		6.8 mg/kg	0.00068 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4.9 mg/kg		4.9 mg/kg	0.00049 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		2 mg/kg		2 mg/kg	0.0002 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.5 mg/kg		4.5 mg/kg	0.00045 %		
28	pH		PH		9.3 pH		9.3 pH	9.3 pH		
Total:								0.144 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H99

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

Sample details

Sample Name:	LoW Code:
H99	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				394.8 mg/kg		394.8 mg/kg	0.0395 %		
2	arsenic { arsenic trioxide }				36 mg/kg	1.32	47.532 mg/kg	0.00475 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.2 mg/kg	1.285	1.542 mg/kg	0.00012 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				36 mg/kg	1.462	52.616 mg/kg	0.00526 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				84 mg/kg	1.126	94.575 mg/kg	0.00946 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	250 mg/kg		250 mg/kg	0.025 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.895 mg/kg	0.000189 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				34 mg/kg	1.579	53.703 mg/kg	0.00537 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				340 mg/kg	1.245	423.203 mg/kg	0.0423 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
		205-917-1	208-96-8							
14	acenaphthene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1.4 mg/kg		1.4 mg/kg	0.00014 %		
16	phenanthrene	201-581-5	85-01-8		7.9 mg/kg		7.9 mg/kg	0.00079 %		
17	anthracene	204-371-1	120-12-7		2.1 mg/kg		2.1 mg/kg	0.00021 %		
18	fluoranthene	205-912-4	206-44-0		12 mg/kg		12 mg/kg	0.0012 %		
19	pyrene	204-927-3	129-00-0		11 mg/kg		11 mg/kg	0.0011 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		6.9 mg/kg		6.9 mg/kg	0.00069 %		
21	chrysene	601-048-00-0	205-923-4		11 mg/kg		11 mg/kg	0.0011 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.1 mg/kg		9.1 mg/kg	0.00091 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		5.3 mg/kg		5.3 mg/kg	0.00053 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		6.4 mg/kg		6.4 mg/kg	0.00064 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4.9 mg/kg		4.9 mg/kg	0.00049 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		2.5 mg/kg		2.5 mg/kg	0.00025 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.4 mg/kg		4.4 mg/kg	0.00044 %		
28	pH		PH		9.8 pH		9.8 pH	9.8 pH		
Total:								0.141 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H100

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

Sample details

Sample Name:	LoW Code:
H100	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				350.18 mg/kg		350.18	mg/kg	0.035 %		
			TPH								
2	arsenic { arsenic trioxide }				23 mg/kg	1.32	30.367	mg/kg	0.00304 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.7 mg/kg	1.285	2.185	mg/kg	0.00017 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231	mg/kg	0.00482 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				92 mg/kg	1.126	103.582	mg/kg	0.0104 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	230 mg/kg		230	mg/kg	0.023 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1.2 mg/kg	1.353	1.624	mg/kg	0.000162 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385	mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661	mg/kg	<0.000766 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				480 mg/kg	1.245	597.463	mg/kg	0.0597 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				<2 mg/kg		<2	mg/kg	<0.0002 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				<2 mg/kg		<2	mg/kg	<0.0002 %		<LOD
		205-917-1	208-96-8								
14	acenaphthene				<2 mg/kg		<2	mg/kg	<0.0002 %		<LOD
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
16	phenanthrene	201-581-5	85-01-8		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
17	anthracene	204-371-1	120-12-7		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
18	fluoranthene	205-912-4	206-44-0		3.3 mg/kg		3.3 mg/kg	0.00033 %		
19	pyrene	204-927-3	129-00-0		2.8 mg/kg		2.8 mg/kg	0.00028 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
28	pH		PH		8.9 pH		8.9 pH	8.9 pH		
Total:								0.145 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H101

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

Sample details

Sample Name:	LoW Code:
H101	Chapter:
	Entry:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				682.13 mg/kg		682.13	mg/kg	0.0682 %		
			TPH								
2	arsenic { arsenic trioxide }				22 mg/kg	1.32	29.047	mg/kg	0.0029 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.671	mg/kg	0.00013 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693	mg/kg	0.00497 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				97 mg/kg	1.126	109.211	mg/kg	0.0109 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	240 mg/kg		240	mg/kg	0.024 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1.2 mg/kg	1.353	1.624	mg/kg	0.000162 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544	mg/kg	0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661	mg/kg	<0.000766 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				500 mg/kg	1.245	622.357	mg/kg	0.0622 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.6 mg/kg		0.6	mg/kg	0.00006 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				<0.5 mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		205-917-1	208-96-8								
14	acenaphthene				<0.5 mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	fluorene	201-695-5	86-73-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
16	phenanthrene	201-581-5	85-01-8		3.3 mg/kg		3.3 mg/kg	0.00033 %			
17	anthracene	204-371-1	120-12-7		0.9 mg/kg		0.9 mg/kg	0.00009 %			
18	fluoranthene	205-912-4	206-44-0		5.8 mg/kg		5.8 mg/kg	0.00058 %			
19	pyrene	204-927-3	129-00-0		5 mg/kg		5 mg/kg	0.0005 %			
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.8 mg/kg		2.8 mg/kg	0.00028 %			
21	chrysene	601-048-00-0	205-923-4		3.3 mg/kg		3.3 mg/kg	0.00033 %			
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3 mg/kg		3 mg/kg	0.0003 %			
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2 mg/kg		2 mg/kg	0.0002 %			
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.2 mg/kg		2.2 mg/kg	0.00022 %			
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.3 mg/kg	0.00013 %			
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %			
28	pH		PH		8.8 pH		8.8 pH	8.8 pH			
Total:									0.183 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H102

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

Sample details

Sample Name:	LoW Code:
H102	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				130 mg/kg		130 mg/kg	0.013 %		
			TPH							
2	arsenic { arsenic trioxide }				22 mg/kg	1.32	29.047 mg/kg	0.0029 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.671 mg/kg	0.00013 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				39 mg/kg	1.462	57.001 mg/kg	0.0057 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				92 mg/kg	1.126	103.582 mg/kg	0.0104 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	230 mg/kg		230 mg/kg	0.023 %		
	082-001-00-6									
8	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				31 mg/kg	1.579	48.964 mg/kg	0.0049 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				440 mg/kg	1.245	547.674 mg/kg	0.0548 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	fluorene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
		201-695-5	86-73-7								
16	phenanthrene				0.8 mg/kg		0.8 mg/kg	0.00008 %			
		201-581-5	85-01-8								
17	anthracene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
		204-371-1	120-12-7								
18	fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %			
		205-912-4	206-44-0								
19	pyrene				1.5 mg/kg		1.5 mg/kg	0.00015 %			
		204-927-3	129-00-0								
20	benzo[a]anthracene				0.9 mg/kg		0.9 mg/kg	0.00009 %			
	601-033-00-9	200-280-6	56-55-3								
21	chrysene				1.1 mg/kg		1.1 mg/kg	0.00011 %			
	601-048-00-0	205-923-4	218-01-9								
22	benzo[b]fluoranthene				0.8 mg/kg		0.8 mg/kg	0.00008 %			
	601-034-00-4	205-911-9	205-99-2								
23	benzo[k]fluoranthene				0.7 mg/kg		0.7 mg/kg	0.00007 %			
	601-036-00-5	205-916-6	207-08-9								
24	benzo[a]pyrene; benzo[def]chrysene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
25	indeno[123-cd]pyrene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
		205-893-2	193-39-5								
26	dibenz[a,h]anthracene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
27	benzo[ghi]perylene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
		205-883-8	191-24-2								
28	pH				9 pH		9 pH	9pH			
			pH								
Total:									0.117 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H103

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

Sample details

Sample Name:	LoW Code:
H103	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				105 mg/kg		105 mg/kg	0.0105 %		
			TPH							
2	arsenic { arsenic trioxide }				21 mg/kg	1.32	27.727 mg/kg	0.00277 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.2 mg/kg	1.285	1.542 mg/kg	0.00012 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				91 mg/kg	1.126	102.456 mg/kg	0.0102 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	230 mg/kg		230 mg/kg	0.023 %		
	082-001-00-6									
8	mercury { mercury dichloride }				<1 mg/kg	1.353	<1.353 mg/kg	<0.000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544 mg/kg	0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.554	<7.661 mg/kg	<0.000766 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				450 mg/kg	1.245	560.121 mg/kg	0.056 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	fluorene	201-695-5	86-73-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
16	phenanthrene	201-581-5	85-01-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
17	anthracene	204-371-1	120-12-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
18	fluoranthene	205-912-4	206-44-0		1.4 mg/kg		1.4 mg/kg	0.00014 %			
19	pyrene	204-927-3	129-00-0		1.2 mg/kg		1.2 mg/kg	0.00012 %			
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.7 mg/kg		0.7 mg/kg	0.00007 %			
21	chrysene	601-048-00-0	205-923-4		0.9 mg/kg		0.9 mg/kg	0.00009 %			
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %			<LOD
28	pH		PH		8.8 pH		8.8 pH	8.8 pH			
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H104

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

Sample details

Sample Name:	LoW Code:
H104	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				480.8 mg/kg		480.8	mg/kg	0.0481 %		
			TPH								
2	arsenic { arsenic trioxide }				30 mg/kg	1.32	39.61	mg/kg	0.00396 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.8 mg/kg	1.285	2.313	mg/kg	0.00018 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				50 mg/kg	1.462	73.078	mg/kg	0.00731 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				89 mg/kg	1.126	100.204	mg/kg	0.01 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	250 mg/kg		250	mg/kg	0.025 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.7 mg/kg	1.353	0.947	mg/kg	0.0000947 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				37 mg/kg	1.579	58.441	mg/kg	0.00584 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				400 mg/kg	1.245	497.886	mg/kg	0.0498 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.63 mg/kg		0.63	mg/kg	0.000063 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.37 mg/kg		0.37	mg/kg	0.000037 %		
		205-917-1	208-96-8								
14	acenaphthene				0.44 mg/kg		0.44	mg/kg	0.000044 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.64 mg/kg		0.64 mg/kg	0.000064 %		
16	phenanthrene	201-581-5	85-01-8		3 mg/kg		3 mg/kg	0.0003 %		
17	anthracene	204-371-1	120-12-7		0.71 mg/kg		0.71 mg/kg	0.000071 %		
18	fluoranthene	205-912-4	206-44-0		5.5 mg/kg		5.5 mg/kg	0.00055 %		
19	pyrene	204-927-3	129-00-0		4.5 mg/kg		4.5 mg/kg	0.00045 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		3.6 mg/kg		3.6 mg/kg	0.00036 %		
21	chrysene	601-048-00-0	205-923-4		5.6 mg/kg		5.6 mg/kg	0.00056 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.4 mg/kg		4.4 mg/kg	0.00044 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.7 mg/kg		2.7 mg/kg	0.00027 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3 mg/kg		3 mg/kg	0.0003 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.3 mg/kg		1.3 mg/kg	0.00013 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.9 mg/kg		1.9 mg/kg	0.00019 %		
28	pH		PH		8.5 pH		8.5 pH	8.5 pH		
Total:								0.154 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H105

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

Sample details

Sample Name:	LoW Code:
H105	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				68 mg/kg		68 mg/kg	0.0068 %		
			TPH							
2	arsenic { arsenic trioxide }				31 mg/kg	1.32	40.93 mg/kg	0.00409 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	2.4 mg/kg	1.285	3.085 mg/kg	0.00024 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				46 mg/kg	1.462	67.232 mg/kg	0.00672 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				98 mg/kg	1.126	110.337 mg/kg	0.011 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	270 mg/kg		270 mg/kg	0.027 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.93 mg/kg	1.353	1.259 mg/kg	0.000126 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				39 mg/kg	1.579	61.6 mg/kg	0.00616 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				440 mg/kg	1.245	547.674 mg/kg	0.0548 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1.3 mg/kg		1.3 mg/kg	0.00013 %		
16	phenanthrene	201-581-5	85-01-8		4.5 mg/kg		4.5 mg/kg	0.00045 %		
17	anthracene	204-371-1	120-12-7		1.3 mg/kg		1.3 mg/kg	0.00013 %		
18	fluoranthene	205-912-4	206-44-0		6.7 mg/kg		6.7 mg/kg	0.00067 %		
19	pyrene	204-927-3	129-00-0		5.9 mg/kg		5.9 mg/kg	0.00059 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.8 mg/kg		4.8 mg/kg	0.00048 %		
21	chrysene	601-048-00-0	205-923-4		6.5 mg/kg		6.5 mg/kg	0.00065 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.9 mg/kg		5.9 mg/kg	0.00059 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.8 mg/kg		2.8 mg/kg	0.00028 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4.6 mg/kg		4.6 mg/kg	0.00046 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.3 mg/kg		3.3 mg/kg	0.00033 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.6 mg/kg		2.6 mg/kg	0.00026 %		
28	pH		PH		8.8 pH		8.8 pH	8.8 pH		
Total:								0.122 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H106

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

Sample details

Sample Name:	LoW Code:
H106	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				44 mg/kg		44 mg/kg	0.0044 %		
			TPH							
2	arsenic { arsenic trioxide }				33 mg/kg	1.32	43.571 mg/kg	0.00436 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.5 mg/kg	1.285	1.928 mg/kg	0.00015 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				58 mg/kg	1.462	84.77 mg/kg	0.00848 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				120 mg/kg	1.126	135.107 mg/kg	0.0135 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	370 mg/kg		370 mg/kg	0.037 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.83 mg/kg	1.353	1.123 mg/kg	0.000112 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				50 mg/kg	1.579	78.975 mg/kg	0.0079 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				390 mg/kg	1.245	485.438 mg/kg	0.0485 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
		205-917-1	208-96-8							
14	acenaphthene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.91 mg/kg		0.91 mg/kg	0.000091 %		
16	phenanthrene	201-581-5	85-01-8		4.6 mg/kg		4.6 mg/kg	0.00046 %		
17	anthracene	204-371-1	120-12-7		1.2 mg/kg		1.2 mg/kg	0.00012 %		
18	fluoranthene	205-912-4	206-44-0		7.3 mg/kg		7.3 mg/kg	0.00073 %		
19	pyrene	204-927-3	129-00-0		6.8 mg/kg		6.8 mg/kg	0.00068 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.8 mg/kg		4.8 mg/kg	0.00048 %		
21	chrysene	601-048-00-0	205-923-4		7.6 mg/kg		7.6 mg/kg	0.00076 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		6.4 mg/kg		6.4 mg/kg	0.00064 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.9 mg/kg		2.9 mg/kg	0.00029 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4.3 mg/kg		4.3 mg/kg	0.00043 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		7.6 mg/kg		7.6 mg/kg	0.00076 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		3.2 mg/kg		3.2 mg/kg	0.00032 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.6 mg/kg		4.6 mg/kg	0.00046 %		
28	pH		PH		8.6 pH		8.6 pH	8.6 pH		
Total:								0.131 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H107

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

Sample details

Sample Name:	LoW Code:
H107	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				615.7 mg/kg		615.7 mg/kg	0.0616 %		
			TPH							
2	arsenic { arsenic trioxide }				42 mg/kg	1.32	55.454 mg/kg	0.00555 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	17 mg/kg	1.285	21.849 mg/kg	0.0017 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				48 mg/kg	1.462	70.155 mg/kg	0.00702 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				830 mg/kg	1.126	934.487 mg/kg	0.0934 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	360 mg/kg		360 mg/kg	0.036 %		
	082-001-00-6									
8	mercury { mercury dichloride }				2.3 mg/kg	1.353	3.113 mg/kg	0.000311 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				44 mg/kg	1.579	69.498 mg/kg	0.00695 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.4 mg/kg	2.554	3.575 mg/kg	0.000358 %		
	034-002-00-8									
11	zinc { zinc oxide }				540 mg/kg	1.245	672.146 mg/kg	0.0672 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				1.6 mg/kg		1.6 mg/kg	0.00016 %		
		205-917-1	208-96-8							
14	acenaphthene				0.73 mg/kg		0.73 mg/kg	0.000073 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		1.2 mg/kg		1.2 mg/kg	0.00012 %		
16	phenanthrene	201-581-5	85-01-8		5.5 mg/kg		5.5 mg/kg	0.00055 %		
17	anthracene	204-371-1	120-12-7		1.5 mg/kg		1.5 mg/kg	0.00015 %		
18	fluoranthene	205-912-4	206-44-0		9.4 mg/kg		9.4 mg/kg	0.00094 %		
19	pyrene	204-927-3	129-00-0		8.4 mg/kg		8.4 mg/kg	0.00084 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5.7 mg/kg		5.7 mg/kg	0.00057 %		
21	chrysene	601-048-00-0	205-923-4		7.9 mg/kg		7.9 mg/kg	0.00079 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		7.7 mg/kg		7.7 mg/kg	0.00077 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.3 mg/kg		3.3 mg/kg	0.00033 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.2 mg/kg		5.2 mg/kg	0.00052 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4.4 mg/kg		4.4 mg/kg	0.00044 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.7 mg/kg		1.7 mg/kg	0.00017 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.5 mg/kg		3.5 mg/kg	0.00035 %		
28	pH		PH		8.7 pH		8.7 pH	8.7 pH		
Total:								0.287 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H108

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

Sample details

Sample Name:	LoW Code:
H108	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				540 mg/kg		540 mg/kg	0.054 %		
2	arsenic { arsenic trioxide }				37 mg/kg	1.32	48.852 mg/kg	0.00489 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	12 mg/kg	1.285	15.423 mg/kg	0.0012 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				67 mg/kg	1.462	97.924 mg/kg	0.00979 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				110 mg/kg	1.126	123.848 mg/kg	0.0124 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	330 mg/kg		330 mg/kg	0.033 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.7 mg/kg	1.353	2.301 mg/kg	0.00023 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				47 mg/kg	1.579	74.236 mg/kg	0.00742 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.64 mg/kg	2.554	1.634 mg/kg	0.000163 %		
	034-002-00-8									
11	zinc { zinc oxide }				650 mg/kg	1.245	809.064 mg/kg	0.0809 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				1.9 mg/kg		1.9 mg/kg	0.00019 %		
		205-917-1	208-96-8							
14	acenaphthene				0.66 mg/kg		0.66 mg/kg	0.000066 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.57 mg/kg		0.57 mg/kg	0.000057 %		
16	phenanthrene	201-581-5	85-01-8		3.9 mg/kg		3.9 mg/kg	0.00039 %		
17	anthracene	204-371-1	120-12-7		2 mg/kg		2 mg/kg	0.0002 %		
18	fluoranthene	205-912-4	206-44-0		7 mg/kg		7 mg/kg	0.0007 %		
19	pyrene	204-927-3	129-00-0		5.9 mg/kg		5.9 mg/kg	0.00059 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.3 mg/kg		4.3 mg/kg	0.00043 %		
21	chrysene	601-048-00-0	205-923-4		5.8 mg/kg		5.8 mg/kg	0.00058 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.6 mg/kg		5.6 mg/kg	0.00056 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.4 mg/kg		2.4 mg/kg	0.00024 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.7 mg/kg		3.7 mg/kg	0.00037 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.4 mg/kg		1.4 mg/kg	0.00014 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.5 mg/kg		2.5 mg/kg	0.00025 %		
28	pH		PH		8.8 pH		8.8 pH	8.8 pH		
Total:								0.209 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H109

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

Sample details

Sample Name:	LoW Code:
H109	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				35.5 mg/kg		35.5 mg/kg	0.00355 %		
			TPH							
2	arsenic { arsenic trioxide }				10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.6 mg/kg	1.285	0.771 mg/kg	0.00006 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				51 mg/kg	1.126	57.42 mg/kg	0.00574 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	155 mg/kg		155 mg/kg	0.0155 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.97 mg/kg	1.353	1.313 mg/kg	0.000131 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				24 mg/kg	1.579	37.908 mg/kg	0.00379 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
	034-002-00-8									
11	zinc { zinc oxide }				193 mg/kg	1.245	240.23 mg/kg	0.024 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		205-917-1	208-96-8							
14	acenaphthene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.41 mg/kg		0.41 mg/kg	0.000041 %		
16	phenanthrene	201-581-5	85-01-8		3.3 mg/kg		3.3 mg/kg	0.00033 %		
17	anthracene	204-371-1	120-12-7		0.91 mg/kg		0.91 mg/kg	0.000091 %		
18	fluoranthene	205-912-4	206-44-0		7.33 mg/kg		7.33 mg/kg	0.000733 %		
19	pyrene	204-927-3	129-00-0		5.84 mg/kg		5.84 mg/kg	0.000584 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.37 mg/kg		4.37 mg/kg	0.000437 %		
21	chrysene	601-048-00-0	205-923-4		4.83 mg/kg		4.83 mg/kg	0.000483 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.73 mg/kg		5.73 mg/kg	0.000573 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.96 mg/kg		1.96 mg/kg	0.000196 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.77 mg/kg		3.77 mg/kg	0.000377 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.79 mg/kg		1.79 mg/kg	0.000179 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.66 mg/kg		0.66 mg/kg	0.000066 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.29 mg/kg		2.29 mg/kg	0.000229 %		
28	pH		PH		10.76 pH		10.76 pH	10.76 pH		
Total:								0.0632 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H110

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

Sample details

Sample Name:	LoW Code:	
H110	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				72.3 mg/kg		72.3 mg/kg		0.00723 %		
			TPH								
2	arsenic { arsenic trioxide }				53 mg/kg	1.32	69.977 mg/kg		0.007 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.72 mg/kg	1.285	0.925 mg/kg		0.000072 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				28 mg/kg	1.462	40.924 mg/kg		0.00409 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg		<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				77 mg/kg	1.126	86.693 mg/kg		0.00867 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	250 mg/kg		250 mg/kg		0.025 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1.5 mg/kg	1.353	2.03 mg/kg		0.000203 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544 mg/kg		0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				0.5 mg/kg	2.554	1.277 mg/kg		0.000128 %		
	034-002-00-8										
11	zinc { zinc oxide }				260 mg/kg	1.245	323.626 mg/kg		0.0324 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.34 mg/kg		0.34 mg/kg		0.000034 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.7 mg/kg		0.7 mg/kg		0.00007 %		
		205-917-1	208-96-8								
14	acenaphthene				0.56 mg/kg		0.56 mg/kg		0.000056 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.61 mg/kg		0.61 mg/kg	0.000061 %		
16	phenanthrene	201-581-5	85-01-8		5.1 mg/kg		5.1 mg/kg	0.00051 %		
17	anthracene	204-371-1	120-12-7		1.6 mg/kg		1.6 mg/kg	0.00016 %		
18	fluoranthene	205-912-4	206-44-0		12 mg/kg		12 mg/kg	0.0012 %		
19	pyrene	204-927-3	129-00-0		9.9 mg/kg		9.9 mg/kg	0.00099 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		7.2 mg/kg		7.2 mg/kg	0.00072 %		
21	chrysene	601-048-00-0	205-923-4		8.6 mg/kg		8.6 mg/kg	0.00086 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9 mg/kg		9 mg/kg	0.0009 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.1 mg/kg		3.1 mg/kg	0.00031 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.3 mg/kg		5.3 mg/kg	0.00053 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.4 mg/kg		3.4 mg/kg	0.00034 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.4 mg/kg		1.4 mg/kg	0.00014 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.9 mg/kg		3.9 mg/kg	0.00039 %		
28	pH		PH		9.1 pH		9.1 pH	9.1 pH		
Total:								0.0972 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H111

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

Sample details

Sample Name:	LoW Code:
H111	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				60.9 mg/kg		60.9 mg/kg	0.00609 %		
			TPH							
2	arsenic { arsenic trioxide }				51 mg/kg	1.32	67.337 mg/kg	0.00673 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.69 mg/kg	1.285	0.887 mg/kg	0.000069 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				26 mg/kg	1.462	38 mg/kg	0.0038 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				75 mg/kg	1.126	84.442 mg/kg	0.00844 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	230 mg/kg		230 mg/kg	0.023 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.895 mg/kg	0.000189 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.31 mg/kg	2.554	0.792 mg/kg	0.0000792 %		
	034-002-00-8									
11	zinc { zinc oxide }				250 mg/kg	1.245	311.178 mg/kg	0.0311 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.34 mg/kg		0.34 mg/kg	0.000034 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.86 mg/kg		0.86 mg/kg	0.000086 %		
		205-917-1	208-96-8							
14	acenaphthene				0.72 mg/kg		0.72 mg/kg	0.000072 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.9 mg/kg		0.9 mg/kg	0.00009 %		
16	phenanthrene	201-581-5	85-01-8		5.8 mg/kg		5.8 mg/kg	0.00058 %		
17	anthracene	204-371-1	120-12-7		1.9 mg/kg		1.9 mg/kg	0.00019 %		
18	fluoranthene	205-912-4	206-44-0		12 mg/kg		12 mg/kg	0.0012 %		
19	pyrene	204-927-3	129-00-0		10 mg/kg		10 mg/kg	0.001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		7.9 mg/kg		7.9 mg/kg	0.00079 %		
21	chrysene	601-048-00-0	205-923-4		9.1 mg/kg		9.1 mg/kg	0.00091 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.5 mg/kg		9.5 mg/kg	0.00095 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.2 mg/kg		3.2 mg/kg	0.00032 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.4 mg/kg		5.4 mg/kg	0.00054 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.2 mg/kg		3.2 mg/kg	0.00032 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.4 mg/kg		4.4 mg/kg	0.00044 %		
28	pH		PH		9 pH		9 pH	9pH		
Total:								0.092 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H112

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

Sample details

Sample Name:	LoW Code:	
H112	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				61 mg/kg		61 mg/kg	0.0061 %		
			TPH							
2	arsenic { arsenic trioxide }				20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.67 mg/kg	1.285	0.861 mg/kg	0.000067 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				52 mg/kg	1.126	58.546 mg/kg	0.00585 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	180 mg/kg		180 mg/kg	0.018 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.63 mg/kg	1.353	0.853 mg/kg	0.0000853 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				200 mg/kg	1.245	248.943 mg/kg	0.0249 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.9 mg/kg		0.9 mg/kg	0.00009 %		
		205-917-1	208-96-8							
14	acenaphthene				0.62 mg/kg		0.62 mg/kg	0.000062 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.51 mg/kg		0.51 mg/kg	0.000051 %		
16	phenanthrene	201-581-5	85-01-8		4.7 mg/kg		4.7 mg/kg	0.00047 %		
17	anthracene	204-371-1	120-12-7		1.4 mg/kg		1.4 mg/kg	0.00014 %		
18	fluoranthene	205-912-4	206-44-0		9 mg/kg		9 mg/kg	0.0009 %		
19	pyrene	204-927-3	129-00-0		8.2 mg/kg		8.2 mg/kg	0.00082 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5.7 mg/kg		5.7 mg/kg	0.00057 %		
21	chrysene	601-048-00-0	205-923-4		6.2 mg/kg		6.2 mg/kg	0.00062 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		7.4 mg/kg		7.4 mg/kg	0.00074 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.7 mg/kg		2.7 mg/kg	0.00027 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4.3 mg/kg		4.3 mg/kg	0.00043 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.7 mg/kg		2.7 mg/kg	0.00027 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.93 mg/kg		0.93 mg/kg	0.000093 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.4 mg/kg		3.4 mg/kg	0.00034 %		
28	pH		PH		9.9 pH		9.9 pH	9.9 pH		
Total:								0.0725 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H113

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

Sample details

Sample Name:	LoW Code:
H113	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				71.2 mg/kg		71.2 mg/kg	0.00712 %		
			TPH							
2	arsenic { arsenic trioxide }				51 mg/kg	1.32	67.337 mg/kg	0.00673 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.71 mg/kg	1.285	0.913 mg/kg	0.000071 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				77 mg/kg	1.126	86.693 mg/kg	0.00867 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	240 mg/kg		240 mg/kg	0.024 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.895 mg/kg	0.000189 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	50.544 mg/kg	0.00505 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.39 mg/kg	2.554	0.996 mg/kg	0.0000996 %		
	034-002-00-8									
11	zinc { zinc oxide }				260 mg/kg	1.245	323.626 mg/kg	0.0324 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-917-1	208-96-8							
14	acenaphthene				0.61 mg/kg		0.61 mg/kg	0.000061 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.65 mg/kg		0.65 mg/kg	0.000065 %		
16	phenanthrene	201-581-5	85-01-8		5.7 mg/kg		5.7 mg/kg	0.00057 %		
17	anthracene	204-371-1	120-12-7		2.1 mg/kg		2.1 mg/kg	0.00021 %		
18	fluoranthene	205-912-4	206-44-0		12 mg/kg		12 mg/kg	0.0012 %		
19	pyrene	204-927-3	129-00-0		10 mg/kg		10 mg/kg	0.001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		8.4 mg/kg		8.4 mg/kg	0.00084 %		
21	chrysene	601-048-00-0	205-923-4		9.6 mg/kg		9.6 mg/kg	0.00096 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.7 mg/kg		9.7 mg/kg	0.00097 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.8 mg/kg		3.8 mg/kg	0.00038 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.6 mg/kg		5.6 mg/kg	0.00056 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.4 mg/kg		3.4 mg/kg	0.00034 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.3 mg/kg		1.3 mg/kg	0.00013 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.1 mg/kg		4.1 mg/kg	0.00041 %		
28	pH		PH		9 pH		9 pH	9pH		
Total:								0.0962 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H114

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

Sample details

Sample Name:	LoW Code:
H114	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				72.8 mg/kg		72.8 mg/kg		0.00728 %		
			TPH								
2	arsenic { arsenic trioxide }				78 mg/kg	1.32	102.985 mg/kg		0.0103 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.83 mg/kg	1.285	1.067 mg/kg		0.000083 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				26 mg/kg	1.462	38 mg/kg		0.0038 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg		<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				76 mg/kg	1.126	85.568 mg/kg		0.00856 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	340 mg/kg		340 mg/kg		0.034 %		
	082-001-00-6										
8	mercury { mercury dichloride }				1.5 mg/kg	1.353	2.03 mg/kg		0.000203 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg		0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.36 mg/kg	2.554	0.919 mg/kg		0.0000919 %		
	034-002-00-8										
11	zinc { zinc oxide }				320 mg/kg	1.245	398.308 mg/kg		0.0398 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.36 mg/kg		0.36 mg/kg		0.000036 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				1.1 mg/kg		1.1 mg/kg		0.00011 %		
		205-917-1	208-96-8								
14	acenaphthene				0.75 mg/kg		0.75 mg/kg		0.000075 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.93 mg/kg		0.93 mg/kg	0.000093 %		
16	phenanthrene	201-581-5	85-01-8		6.9 mg/kg		6.9 mg/kg	0.00069 %		
17	anthracene	204-371-1	120-12-7		2.8 mg/kg		2.8 mg/kg	0.00028 %		
18	fluoranthene	205-912-4	206-44-0		14 mg/kg		14 mg/kg	0.0014 %		
19	pyrene	204-927-3	129-00-0		12 mg/kg		12 mg/kg	0.0012 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		8.4 mg/kg		8.4 mg/kg	0.00084 %		
21	chrysene	601-048-00-0	205-923-4		9.9 mg/kg		9.9 mg/kg	0.00099 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		10 mg/kg		10 mg/kg	0.001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.6 mg/kg		3.6 mg/kg	0.00036 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		6.3 mg/kg		6.3 mg/kg	0.00063 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.9 mg/kg		3.9 mg/kg	0.00039 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.3 mg/kg		4.3 mg/kg	0.00043 %		
28	pH		PH		8.9 pH		8.9 pH	8.9 pH		
Total:								0.118 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H115

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

Sample details

Sample Name:	LoW Code:
H115	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				58.5 mg/kg		58.5 mg/kg	0.00585 %		
			TPH							
2	arsenic { arsenic trioxide }				43 mg/kg	1.32	56.774 mg/kg	0.00568 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.62 mg/kg	1.285	0.797 mg/kg	0.000062 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				65 mg/kg	1.126	73.183 mg/kg	0.00732 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	220 mg/kg		220 mg/kg	0.022 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.3 mg/kg	1.353	1.76 mg/kg	0.000176 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				27 mg/kg	1.579	42.646 mg/kg	0.00426 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				0.26 mg/kg	2.554	0.664 mg/kg	0.0000664 %		
	034-002-00-8									
11	zinc { zinc oxide }				230 mg/kg	1.245	286.284 mg/kg	0.0286 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-917-1	208-96-8							
14	acenaphthene				0.59 mg/kg		0.59 mg/kg	0.000059 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.89 mg/kg		0.89 mg/kg	0.000089 %		
16	phenanthrene	201-581-5	85-01-8		5.4 mg/kg		5.4 mg/kg	0.00054 %		
17	anthracene	204-371-1	120-12-7		2.6 mg/kg		2.6 mg/kg	0.00026 %		
18	fluoranthene	205-912-4	206-44-0		11 mg/kg		11 mg/kg	0.0011 %		
19	pyrene	204-927-3	129-00-0		9.1 mg/kg		9.1 mg/kg	0.00091 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		7.1 mg/kg		7.1 mg/kg	0.00071 %		
21	chrysene	601-048-00-0	205-923-4		8.4 mg/kg		8.4 mg/kg	0.00084 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		8.9 mg/kg		8.9 mg/kg	0.00089 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.1 mg/kg		3.1 mg/kg	0.00031 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5 mg/kg		5 mg/kg	0.0005 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.3 mg/kg		3.3 mg/kg	0.00033 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.4 mg/kg		1.4 mg/kg	0.00014 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.8 mg/kg		3.8 mg/kg	0.00038 %		
28	pH		PH		9 pH		9 pH	9pH		
Total:								0.0849 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H116

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

Sample details

Sample Name:	LoW Code:
H116	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				81.4 mg/kg		81.4 mg/kg	0.00814 %		
			TPH							
2	arsenic { arsenic trioxide }				50 mg/kg	1.32	66.016 mg/kg	0.0066 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.68 mg/kg	1.285	0.874 mg/kg	0.000068 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				72 mg/kg	1.126	81.064 mg/kg	0.00811 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	250 mg/kg		250 mg/kg	0.025 %		
	082-001-00-6									
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.895 mg/kg	0.000189 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				30 mg/kg	1.579	47.385 mg/kg	0.00474 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				0.43 mg/kg	2.554	1.098 mg/kg	0.00011 %		
	034-002-00-8									
11	zinc { zinc oxide }				250 mg/kg	1.245	311.178 mg/kg	0.0311 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.99 mg/kg		0.99 mg/kg	0.000099 %		
		205-917-1	208-96-8							
14	acenaphthene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.83 mg/kg		0.83 mg/kg	0.000083 %		
16	phenanthrene	201-581-5	85-01-8		5.8 mg/kg		5.8 mg/kg	0.00058 %		
17	anthracene	204-371-1	120-12-7		1.9 mg/kg		1.9 mg/kg	0.00019 %		
18	fluoranthene	205-912-4	206-44-0		13 mg/kg		13 mg/kg	0.0013 %		
19	pyrene	204-927-3	129-00-0		10 mg/kg		10 mg/kg	0.001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		7.9 mg/kg		7.9 mg/kg	0.00079 %		
21	chrysene	601-048-00-0	205-923-4		9.3 mg/kg		9.3 mg/kg	0.00093 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.8 mg/kg		9.8 mg/kg	0.00098 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.4 mg/kg		3.4 mg/kg	0.00034 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.9 mg/kg		5.9 mg/kg	0.00059 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.4 mg/kg		3.4 mg/kg	0.00034 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		4.2 mg/kg		4.2 mg/kg	0.00042 %		
28	pH		PH		8.9 pH		8.9 pH	8.9 pH		
Total:								0.0957 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H117

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

Sample details

Sample Name:	LoW Code:
H117	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				117.7 mg/kg		117.7 mg/kg	0.0118 %		
			TPH							
2	arsenic { arsenic trioxide }				26 mg/kg	1.32	34.328 mg/kg	0.00343 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.76 mg/kg	1.285	0.977 mg/kg	0.000076 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				57 mg/kg	1.126	64.176 mg/kg	0.00642 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	210 mg/kg		210 mg/kg	0.021 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.74 mg/kg	1.353	1.002 mg/kg	0.0001 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				31 mg/kg	1.579	48.964 mg/kg	0.0049 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				230 mg/kg	1.245	286.284 mg/kg	0.0286 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.36 mg/kg		0.36 mg/kg	0.000036 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.63 mg/kg		0.63 mg/kg	0.000063 %		
		205-917-1	208-96-8							
14	acenaphthene				0.59 mg/kg		0.59 mg/kg	0.000059 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.64 mg/kg		0.64 mg/kg	0.000064 %		
16	phenanthrene	201-581-5	85-01-8		5.2 mg/kg		5.2 mg/kg	0.00052 %		
17	anthracene	204-371-1	120-12-7		1.8 mg/kg		1.8 mg/kg	0.00018 %		
18	fluoranthene	205-912-4	206-44-0		9.8 mg/kg		9.8 mg/kg	0.00098 %		
19	pyrene	204-927-3	129-00-0		8.2 mg/kg		8.2 mg/kg	0.00082 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		6.6 mg/kg		6.6 mg/kg	0.00066 %		
21	chrysene	601-048-00-0	205-923-4		7 mg/kg		7 mg/kg	0.0007 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		8.1 mg/kg		8.1 mg/kg	0.00081 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.8 mg/kg		2.8 mg/kg	0.00028 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4.9 mg/kg		4.9 mg/kg	0.00049 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.2 mg/kg		3.2 mg/kg	0.00032 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.1 mg/kg		1.1 mg/kg	0.00011 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.7 mg/kg		3.7 mg/kg	0.00037 %		
28	pH		PH		9.7 pH		9.7 pH	9.7 pH		
Total:								0.0872 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H118

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

Sample details

Sample Name:	LoW Code:	
H118	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				151.4 mg/kg		151.4	mg/kg	0.0151 %		
			TPH								
2	arsenic { arsenic trioxide }				29 mg/kg	1.32	38.289	mg/kg	0.00383 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.85 mg/kg	1.285	1.092	mg/kg	0.000085 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				39 mg/kg	1.462	57.001	mg/kg	0.0057 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				71 mg/kg	1.126	79.938	mg/kg	0.00799 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	190 mg/kg		190	mg/kg	0.019 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.74 mg/kg	1.353	1.002	mg/kg	0.0001 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				38 mg/kg	1.579	60.021	mg/kg	0.006 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				290 mg/kg	1.245	360.967	mg/kg	0.0361 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.92 mg/kg		0.92	mg/kg	0.000092 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.4 mg/kg		0.4	mg/kg	0.00004 %		
		205-917-1	208-96-8								
14	acenaphthene				0.62 mg/kg		0.62	mg/kg	0.000062 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.75 mg/kg		0.75 mg/kg	0.000075 %		
16	phenanthrene	201-581-5	85-01-8		4 mg/kg		4 mg/kg	0.0004 %		
17	anthracene	204-371-1	120-12-7		1.4 mg/kg		1.4 mg/kg	0.00014 %		
18	fluoranthene	205-912-4	206-44-0		6.2 mg/kg		6.2 mg/kg	0.00062 %		
19	pyrene	204-927-3	129-00-0		5.3 mg/kg		5.3 mg/kg	0.00053 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		3.9 mg/kg		3.9 mg/kg	0.00039 %		
21	chrysene	601-048-00-0	205-923-4		5.1 mg/kg		5.1 mg/kg	0.00051 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.8 mg/kg		4.8 mg/kg	0.00048 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.8 mg/kg		1.8 mg/kg	0.00018 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.3 mg/kg		3.3 mg/kg	0.00033 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.64 mg/kg		0.64 mg/kg	0.000064 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.6 mg/kg		3.6 mg/kg	0.00036 %		
28	pH		PH		9.5 pH		9.5 pH	9.5 pH		
Total:								0.0986 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H119

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

Sample details

Sample Name:	LoW Code:	
H119	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				97 mg/kg		97 mg/kg		0.0097 %		
			TPH								
2	arsenic { arsenic trioxide }				27 mg/kg	1.32	35.649 mg/kg		0.00356 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.8 mg/kg	1.285	1.028 mg/kg		0.00008 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				37 mg/kg	1.462	54.078 mg/kg		0.00541 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg		<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				67 mg/kg	1.126	75.435 mg/kg		0.00754 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	180 mg/kg		180 mg/kg		0.018 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.65 mg/kg	1.353	0.88 mg/kg		0.000088 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				35 mg/kg	1.579	55.282 mg/kg		0.00553 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg		<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				280 mg/kg	1.245	348.52 mg/kg		0.0349 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.7 mg/kg		0.7 mg/kg		0.00007 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.39 mg/kg		0.39 mg/kg		0.000039 %		
		205-917-1	208-96-8								
14	acenaphthene				0.74 mg/kg		0.74 mg/kg		0.000074 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.57 mg/kg		0.57 mg/kg	0.000057 %		
16	phenanthrene	201-581-5	85-01-8		4.2 mg/kg		4.2 mg/kg	0.00042 %		
17	anthracene	204-371-1	120-12-7		1.2 mg/kg		1.2 mg/kg	0.00012 %		
18	fluoranthene	205-912-4	206-44-0		7.2 mg/kg		7.2 mg/kg	0.00072 %		
19	pyrene	204-927-3	129-00-0		6.3 mg/kg		6.3 mg/kg	0.00063 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5.6 mg/kg		5.6 mg/kg	0.00056 %		
21	chrysene	601-048-00-0	205-923-4		4 mg/kg		4 mg/kg	0.0004 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.1 mg/kg		5.1 mg/kg	0.00051 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.8 mg/kg		1.8 mg/kg	0.00018 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.8 mg/kg		3.8 mg/kg	0.00038 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.1 mg/kg		3.1 mg/kg	0.00031 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.88 mg/kg		0.88 mg/kg	0.000088 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.1 mg/kg		3.1 mg/kg	0.00031 %		
28	pH		PH		9.7 pH		9.7 pH	9.7 pH		
Total:								0.0898 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H120

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

Sample details

Sample Name:	LoW Code:	
H120	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				68 mg/kg		68 mg/kg	0.0068 %		
			TPH							
2	arsenic { arsenic trioxide }				29 mg/kg	1.32	38.289 mg/kg	0.00383 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.88 mg/kg	1.285	1.131 mg/kg	0.000088 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				40 mg/kg	1.462	58.462 mg/kg	0.00585 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				75 mg/kg	1.126	84.442 mg/kg	0.00844 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	190 mg/kg		190 mg/kg	0.019 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.79 mg/kg	1.353	1.069 mg/kg	0.000107 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				38 mg/kg	1.579	60.021 mg/kg	0.006 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				300 mg/kg	1.245	373.414 mg/kg	0.0373 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
		205-917-1	208-96-8							
14	acenaphthene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.61 mg/kg		0.61 mg/kg	0.000061 %		
16	phenanthrene	201-581-5	85-01-8		4 mg/kg		4 mg/kg	0.0004 %		
17	anthracene	204-371-1	120-12-7		1.1 mg/kg		1.1 mg/kg	0.00011 %		
18	fluoranthene	205-912-4	206-44-0		6.8 mg/kg		6.8 mg/kg	0.00068 %		
19	pyrene	204-927-3	129-00-0		5.8 mg/kg		5.8 mg/kg	0.00058 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		5 mg/kg		5 mg/kg	0.0005 %		
21	chrysene	601-048-00-0	205-923-4		5.4 mg/kg		5.4 mg/kg	0.00054 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.8 mg/kg		4.8 mg/kg	0.00048 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.8 mg/kg		1.8 mg/kg	0.00018 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.8 mg/kg		3.8 mg/kg	0.00038 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1 mg/kg		1 mg/kg	0.0001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.9 mg/kg		3.9 mg/kg	0.00039 %		
28	pH		PH		9.4 pH		9.4 pH	9.4 pH		
Total:								0.0924 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H121

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

Sample details

Sample Name:	LoW Code:
H121	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				156.1 mg/kg		156.1 mg/kg	0.0156 %		
			TPH							
2	arsenic { arsenic trioxide }				31 mg/kg	1.32	40.93 mg/kg	0.00409 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.88 mg/kg	1.285	1.131 mg/kg	0.000088 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				46 mg/kg	1.462	67.232 mg/kg	0.00672 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				77 mg/kg	1.126	86.693 mg/kg	0.00867 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	270 mg/kg		270 mg/kg	0.027 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.83 mg/kg	1.353	1.123 mg/kg	0.000112 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				39 mg/kg	1.579	61.6 mg/kg	0.00616 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				320 mg/kg	1.245	398.308 mg/kg	0.0398 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.82 mg/kg		0.82 mg/kg	0.000082 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
		205-917-1	208-96-8							
14	acenaphthene				0.66 mg/kg		0.66 mg/kg	0.000066 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.56 mg/kg		0.56 mg/kg	0.000056 %		
16	phenanthrene	201-581-5	85-01-8		4.2 mg/kg		4.2 mg/kg	0.00042 %		
17	anthracene	204-371-1	120-12-7		1 mg/kg		1 mg/kg	0.0001 %		
18	fluoranthene	205-912-4	206-44-0		7.5 mg/kg		7.5 mg/kg	0.00075 %		
19	pyrene	204-927-3	129-00-0		6.1 mg/kg		6.1 mg/kg	0.00061 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.6 mg/kg		4.6 mg/kg	0.00046 %		
21	chrysene	601-048-00-0	205-923-4		5.3 mg/kg		5.3 mg/kg	0.00053 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.3 mg/kg		4.3 mg/kg	0.00043 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.9 mg/kg		1.9 mg/kg	0.00019 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.6 mg/kg		3.6 mg/kg	0.00036 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.6 mg/kg		2.6 mg/kg	0.00026 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.1 mg/kg		1.1 mg/kg	0.00011 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.8 mg/kg		3.8 mg/kg	0.00038 %		
28	pH		PH		9.8 pH		9.8 pH	9.8 pH		
Total:								0.113 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H122

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

Sample details

Sample Name:	LoW Code:
H122	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				21.8 mg/kg		21.8 mg/kg	0.00218 %		
			TPH							
2	arsenic { arsenic trioxide }				30 mg/kg	1.32	39.61 mg/kg	0.00396 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.87 mg/kg	1.285	1.118 mg/kg	0.000087 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				41 mg/kg	1.462	59.924 mg/kg	0.00599 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				77 mg/kg	1.126	86.693 mg/kg	0.00867 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	200 mg/kg		200 mg/kg	0.02 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.76 mg/kg	1.353	1.029 mg/kg	0.000103 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				38 mg/kg	1.579	60.021 mg/kg	0.006 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				310 mg/kg	1.245	385.861 mg/kg	0.0386 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.38 mg/kg		0.38 mg/kg	0.000038 %		
		205-917-1	208-96-8							
14	acenaphthene				0.71 mg/kg		0.71 mg/kg	0.000071 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.68 mg/kg		0.68 mg/kg	0.000068 %		
16	phenanthrene	201-581-5	85-01-8		4.2 mg/kg		4.2 mg/kg	0.00042 %		
17	anthracene	204-371-1	120-12-7		0.86 mg/kg		0.86 mg/kg	0.000086 %		
18	fluoranthene	205-912-4	206-44-0		7.2 mg/kg		7.2 mg/kg	0.00072 %		
19	pyrene	204-927-3	129-00-0		6.3 mg/kg		6.3 mg/kg	0.00063 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.7 mg/kg		4.7 mg/kg	0.00047 %		
21	chrysene	601-048-00-0	205-923-4		5.4 mg/kg		5.4 mg/kg	0.00054 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		4.6 mg/kg		4.6 mg/kg	0.00046 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.8 mg/kg		1.8 mg/kg	0.00018 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.6 mg/kg		3.6 mg/kg	0.00036 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.6 mg/kg		2.6 mg/kg	0.00026 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.3 mg/kg		1.3 mg/kg	0.00013 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.9 mg/kg		3.9 mg/kg	0.00039 %		
28	pH		PH		9.6 pH		9.6 pH	9.6 pH		
Total:								0.0906 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H123

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

Sample details

Sample Name:	LoW Code:
H123	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				100.2 mg/kg		100.2	mg/kg	0.01 %		
			TPH								
2	arsenic { arsenic trioxide }				24 mg/kg	1.32	31.688	mg/kg	0.00317 %		
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.77 mg/kg	1.285	0.99	mg/kg	0.000077 %		
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(III) compounds { chromium(III) oxide }				34 mg/kg	1.462	49.693	mg/kg	0.00497 %		
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				64 mg/kg	1.126	72.057	mg/kg	0.00721 %		
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	170 mg/kg		170	mg/kg	0.017 %		
	082-001-00-6										
8	mercury { mercury dichloride }				0.62 mg/kg	1.353	0.839	mg/kg	0.0000839 %		
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				33 mg/kg	1.579	52.123	mg/kg	0.00521 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511	mg/kg	<0.0000511 %		<LOD
	034-002-00-8										
11	zinc { zinc oxide }				270 mg/kg	1.245	336.073	mg/kg	0.0336 %		
	030-013-00-7	215-222-5	1314-13-2								
12	naphthalene				0.66 mg/kg		0.66	mg/kg	0.000066 %		
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.44 mg/kg		0.44	mg/kg	0.000044 %		
		205-917-1	208-96-8								
14	acenaphthene				0.59 mg/kg		0.59	mg/kg	0.000059 %		
		201-469-6	83-32-9								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.52 mg/kg		0.52 mg/kg	0.000052 %		
16	phenanthrene	201-581-5	85-01-8		3.9 mg/kg		3.9 mg/kg	0.00039 %		
17	anthracene	204-371-1	120-12-7		0.99 mg/kg		0.99 mg/kg	0.000099 %		
18	fluoranthene	205-912-4	206-44-0		6.6 mg/kg		6.6 mg/kg	0.00066 %		
19	pyrene	204-927-3	129-00-0		5.7 mg/kg		5.7 mg/kg	0.00057 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.3 mg/kg		4.3 mg/kg	0.00043 %		
21	chrysene	601-048-00-0	205-923-4		4.8 mg/kg		4.8 mg/kg	0.00048 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		6 mg/kg		6 mg/kg	0.0006 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.9 mg/kg		1.9 mg/kg	0.00019 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.7 mg/kg		3.7 mg/kg	0.00037 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.5 mg/kg		2.5 mg/kg	0.00025 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.2 mg/kg		1.2 mg/kg	0.00012 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.8 mg/kg		3.8 mg/kg	0.00038 %		
28	pH		PH		9.6 pH		9.6 pH	9.6 pH		
Total:								0.0863 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H124

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

Sample details

Sample Name:	LoW Code:	
H124	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	TPH (C6 to C40) petroleum group				131.6 mg/kg		131.6 mg/kg		0.0132 %		
2	arsenic { arsenic trioxide }				34 mg/kg	1.32	44.891 mg/kg		0.00449 %		
3	cadmium { cadmium sulfide }			1	0.98 mg/kg	1.285	1.26 mg/kg		0.000098 %		
4	chromium in chromium(III) compounds { chromium(III) oxide }				46 mg/kg	1.462	67.232 mg/kg		0.00672 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg		<0.0000962 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }				83 mg/kg	1.126	93.449 mg/kg		0.00934 %		
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	220 mg/kg		220 mg/kg		0.022 %		
8	mercury { mercury dichloride }				0.9 mg/kg	1.353	1.218 mg/kg		0.000122 %		
9	nickel { nickel dihydroxide }				44 mg/kg	1.579	69.498 mg/kg		0.00695 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg		<0.0000511 %		<LOD
11	zinc { zinc oxide }				340 mg/kg	1.245	423.203 mg/kg		0.0423 %		
12	naphthalene				1.6 mg/kg		1.6 mg/kg		0.00016 %		
13	acenaphthylene				0.36 mg/kg		0.36 mg/kg		0.000036 %		
14	acenaphthene				0.6 mg/kg		0.6 mg/kg		0.00006 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.51 mg/kg		0.51 mg/kg	0.000051 %		
16	phenanthrene	201-581-5	85-01-8		3.5 mg/kg		3.5 mg/kg	0.00035 %		
17	anthracene	204-371-1	120-12-7		1 mg/kg		1 mg/kg	0.0001 %		
18	fluoranthene	205-912-4	206-44-0		6.4 mg/kg		6.4 mg/kg	0.00064 %		
19	pyrene	204-927-3	129-00-0		5.8 mg/kg		5.8 mg/kg	0.00058 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.1 mg/kg		4.1 mg/kg	0.00041 %		
21	chrysene	601-048-00-0	205-923-4		4.9 mg/kg		4.9 mg/kg	0.00049 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.9 mg/kg		3.9 mg/kg	0.00039 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.7 mg/kg		1.7 mg/kg	0.00017 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.3 mg/kg		3.3 mg/kg	0.00033 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.4 mg/kg		2.4 mg/kg	0.00024 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.7 mg/kg		3.7 mg/kg	0.00037 %		
28	pH		PH		9.2 pH		9.2 pH	9.2 pH		
Total:								0.11 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H125

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

Sample details

Sample Name:	LoW Code:
H125	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				159.8 mg/kg		159.8 mg/kg	0.016 %		
			TPH							
2	arsenic { arsenic trioxide }				28 mg/kg	1.32	36.969 mg/kg	0.0037 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.83 mg/kg	1.285	1.067 mg/kg	0.000083 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				39 mg/kg	1.462	57.001 mg/kg	0.0057 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				72 mg/kg	1.126	81.064 mg/kg	0.00811 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	190 mg/kg		190 mg/kg	0.019 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				37 mg/kg	1.579	58.441 mg/kg	0.00584 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				300 mg/kg	1.245	373.414 mg/kg	0.0373 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
		205-917-1	208-96-8							
14	acenaphthene				0.63 mg/kg		0.63 mg/kg	0.000063 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.69 mg/kg		0.69 mg/kg	0.000069 %		
16	phenanthrene	201-581-5	85-01-8		4.2 mg/kg		4.2 mg/kg	0.00042 %		
17	anthracene	204-371-1	120-12-7		1.2 mg/kg		1.2 mg/kg	0.00012 %		
18	fluoranthene	205-912-4	206-44-0		7.6 mg/kg		7.6 mg/kg	0.00076 %		
19	pyrene	204-927-3	129-00-0		6.5 mg/kg		6.5 mg/kg	0.00065 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.1 mg/kg		4.1 mg/kg	0.00041 %		
21	chrysene	601-048-00-0	205-923-4		5.1 mg/kg		5.1 mg/kg	0.00051 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.4 mg/kg		5.4 mg/kg	0.00054 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.1 mg/kg		2.1 mg/kg	0.00021 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		4 mg/kg		4 mg/kg	0.0004 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		5.9 mg/kg		5.9 mg/kg	0.00059 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.2 mg/kg		1.2 mg/kg	0.00012 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.6 mg/kg		3.6 mg/kg	0.00036 %		
28	pH		PH		9.6 pH		9.6 pH	9.6 pH		
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H126

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

Sample details

Sample Name:	LoW Code:
H126	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				85 mg/kg		85 mg/kg	0.0085 %		
			TPH							
2	arsenic { arsenic trioxide }				25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.78 mg/kg	1.285	1.002 mg/kg	0.000078 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				35 mg/kg	1.462	51.154 mg/kg	0.00512 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				64 mg/kg	1.126	72.057 mg/kg	0.00721 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	170 mg/kg		170 mg/kg	0.017 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.66 mg/kg	1.353	0.893 mg/kg	0.0000893 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				34 mg/kg	1.579	53.703 mg/kg	0.00537 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				270 mg/kg	1.245	336.073 mg/kg	0.0336 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				0.7 mg/kg		0.7 mg/kg	0.00007 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		205-917-1	208-96-8							
14	acenaphthene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.69 mg/kg		0.69 mg/kg	0.000069 %		
16	phenanthrene	201-581-5	85-01-8		4.8 mg/kg		4.8 mg/kg	0.00048 %		
17	anthracene	204-371-1	120-12-7		1 mg/kg		1 mg/kg	0.0001 %		
18	fluoranthene	205-912-4	206-44-0		7.6 mg/kg		7.6 mg/kg	0.00076 %		
19	pyrene	204-927-3	129-00-0		6.9 mg/kg		6.9 mg/kg	0.00069 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		4.3 mg/kg		4.3 mg/kg	0.00043 %		
21	chrysene	601-048-00-0	205-923-4		5 mg/kg		5 mg/kg	0.0005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		5.9 mg/kg		5.9 mg/kg	0.00059 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.9 mg/kg		1.9 mg/kg	0.00019 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.8 mg/kg		3.8 mg/kg	0.00038 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		4.4 mg/kg		4.4 mg/kg	0.00044 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.9 mg/kg		1.9 mg/kg	0.00019 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		3.9 mg/kg		3.9 mg/kg	0.00039 %		
28	pH		PH		9.8 pH		9.8 pH	9.8 pH		
Total:								0.0858 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Classification of sample: H127

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

Sample details

Sample Name:	LoW Code:
H127	Chapter:
	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	TPH (C6 to C40) petroleum group				41.6 mg/kg		41.6 mg/kg	0.00416 %		
			TPH							
2	arsenic { arsenic trioxide }				27 mg/kg	1.32	35.649 mg/kg	0.00356 %		
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.83 mg/kg	1.285	1.067 mg/kg	0.000083 %		
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(III) compounds { chromium(III) oxide }				43 mg/kg	1.462	62.847 mg/kg	0.00628 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				63 mg/kg	1.126	70.931 mg/kg	0.00709 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	160 mg/kg		160 mg/kg	0.016 %		
	082-001-00-6									
8	mercury { mercury dichloride }				0.41 mg/kg	1.353	0.555 mg/kg	0.0000555 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				44 mg/kg	1.579	69.498 mg/kg	0.00695 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.2 mg/kg	2.554	<0.511 mg/kg	<0.0000511 %		<LOD
	034-002-00-8									
11	zinc { zinc oxide }				290 mg/kg	1.245	360.967 mg/kg	0.0361 %		
	030-013-00-7	215-222-5	1314-13-2							
12	naphthalene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
		205-917-1	208-96-8							
14	acenaphthene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
		201-469-6	83-32-9							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	fluorene	201-695-5	86-73-7		0.53 mg/kg		0.53 mg/kg	0.000053 %		
16	phenanthrene	201-581-5	85-01-8		2.8 mg/kg		2.8 mg/kg	0.00028 %		
17	anthracene	204-371-1	120-12-7		0.89 mg/kg		0.89 mg/kg	0.000089 %		
18	fluoranthene	205-912-4	206-44-0		4.5 mg/kg		4.5 mg/kg	0.00045 %		
19	pyrene	204-927-3	129-00-0		3.8 mg/kg		3.8 mg/kg	0.00038 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.7 mg/kg		2.7 mg/kg	0.00027 %		
21	chrysene	601-048-00-0	205-923-4		3.1 mg/kg		3.1 mg/kg	0.00031 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.6 mg/kg		3.6 mg/kg	0.00036 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.2 mg/kg		1.2 mg/kg	0.00012 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.2 mg/kg		2.2 mg/kg	0.00022 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2 mg/kg		2 mg/kg	0.0002 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.81 mg/kg		0.81 mg/kg	0.000081 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.6 mg/kg		2.6 mg/kg	0.00026 %		
28	pH		PH		10.1 pH		10.1 pH	10.1 pH		
Total:								0.0837 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because No Liquid Phase Present**

Appendix A: Classifier defined and non CLP determinands

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: 25/05/2015

Risk Phrases: R65 , R63 , R51/53 , R46 , R45 , R10

Hazard Statements: Aquatic Chronic 2 H411 , Repr. 2 H361d , Carc. 1B H350 , Muta. 1B H340 , STOT RE 2 H373 , Asp. Tox. 1 H304 , Flam. Liq. 3 H226

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

Conversion factor: 1.462

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: 17/07/2015

Risk Phrases: R61 , R60 , R50/53 , R43 , R42 , R38 , R37 , R36 , R22 , R20

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Repr. 1B H360FD , Skin Sens. 1 H317 , Resp. Sens. 1 H334 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302 , Acute Tox. 4 H332

dicopper oxide; copper (I) oxide (EC Number: 215-270-7, CAS Number: 1317-39-1)

CLP index number: 029-002-00-X

Description/Comments: M-factor for long-term aquatic hazard not included as per paragraph (5), ATP9

Data source: Regulation (EU) 2016/1179 of 19 July 2016 (ATP9)

Additional Risk Phrases: N R50/53 >= 0.25 % , N R50/53

Additional Hazard Statement(s): None.

Reason for additional Hazards Statement(s)/Risk Phrase(s):

10/10/2016 - N R50/53 >= 0.25 % risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases

10/10/2016 - N R50/53 risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases

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

CLP index number: 082-001-00-6

Description/Comments: Least-worst case: Lead REACH Consortium considers some lead compounds Carcinogenic category 2B

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

Additional Risk Phrases: None.

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s)/Risk Phrase(s):

03/06/2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium

www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

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: 17/07/2015

Risk Phrases: R38 , R37 , R36 , R27 , R26 , R22

Hazard Statements: Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 1 H310 , Acute Tox. 1 H330 , Acute Tox. 4 H302

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: 17/07/2015

Risk Phrases: N R51/53 , N R50/53 , R38 , R37 , R36

Hazard Statements: Aquatic Chronic 2 H411 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

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: 06/08/2015

Risk Phrases: N R50/53

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

■ **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: 06/08/2015

Risk Phrases: N R50/53 , R43 , R40 , R38 , R37 , R36 , R22

Hazard Statements: Skin Irrit. 2 H315 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Carc. 2 H351 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302

■ **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: 17/07/2015

Risk Phrases: N R50/53 , R43 , R38 , R37 , R36

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

■ **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: 21/08/2015

Risk Phrases: N R50/53 , Xn R22

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Acute Tox. 4 H302

■ **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: 21/08/2015

Risk Phrases: N R50/53 , Xi R36/37/38

Hazard Statements: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Skin Irrit. 2 H315

■ **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: 06/08/2015

Risk Phrases: R40

Hazard Statements: Carc. 2 H351

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23/07/2015

Risk Phrases: N R50/53

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

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25/05/2015

Risk Phrases: None.

Hazard Statements: None.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

chromium in chromium(III) compounds {chromium(III) oxide}

Worst case species based on hazard statements

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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

Most Likely Species

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulposelenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Most Likely Species

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition, May 2015**

HazWasteOnline Classification Engine Version: 2018.5.3475.7093 (05 Jan 2018)

HazWasteOnline Database: 2018.5.3475.7093 (05 Jan 2018)

This classification utilises the following guidance and legislation:

WM3 - Waste Classification - May 2015

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 Wastes 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

POPs Regulation 2004 - Regulation 850/2004/EC of 29 April 2004

1st ATP to POPs Regulation - Regulation 756/2010/EU of 24 August 2010

2nd ATP to POPs Regulation - Regulation 757/2010/EU of 24 August 2010

FINAL ANALYTICAL TEST REPORT

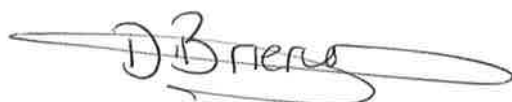
Envirolab Job Number: 16/08141
Issue Number: 1

Date: 04 January, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS13389
Order No: NS13389
Date Samples Received: 20/12/16
Date Instructions Received: 20/12/16
Date Analysis Completed: 04/01/17

Prepared by:



Danielle Brierley
Administrative Assistant

Approved by:



Gill Walker
Laboratory Manager

Envirolab Job Number: 16/08141

Client Project Name: Neal Soil

Client Project Ref: NS13389

Lab Sample ID	16/08141/1								Units	Method ref
Client Sample No										
Client Sample ID	FC									
Depth to Top										
Depth To Bottom										
Date Sampled	15-Dec-16									
Sample Type	Soil									
Sample Matrix Code	6A									
% Stones >10mm _A [#]	<0.1								% w/w	A-T-044
pH _D ^{M#}	9.08								pH	A-T-031s
Phenols - Total by HPLC _A	<0.2								mg/kg	A-T-050s
Antimony _D	<5								mg/kg	A-T-024s
Arsenic _D ^{M#}	10								mg/kg	A-T-024s
Beryllium _D [#]	1								mg/kg	A-T-024s
Boron (water soluble) _D ^{M#}	3.4								mg/kg	A-T-027s
Cadmium _D ^{M#}	2.7								mg/kg	A-T-024s
Copper _D ^{M#}	59								mg/kg	A-T-024s
Chromium _D ^{M#}	39								mg/kg	A-T-024s
Chromium (hexavalent) _D	<1								mg/kg	A-T-040s
Chromium (trivalent)	39								mg/kg	Calc
Lead _D ^{M#}	140								mg/kg	A-T-024s
Mercury _D	0.28								mg/kg	A-T-024s
Nickel _D ^{M#}	30								mg/kg	A-T-024s
Selenium _D	9								mg/kg	A-T-024s
Vanadium _D ^{M#}	40								mg/kg	A-T-024s
Zinc _D ^{M#}	246								mg/kg	A-T-024s

Envirolab Job Number: 16/08141

Client Project Name: Neal Soil

Client Project Ref: NS13389

Lab Sample ID	16/08141/1								Units	Method ref
Client Sample No										
Client Sample ID	FC									
Depth to Top										
Depth To Bottom										
Date Sampled	15-Dec-16									
Sample Type	Soil									
Sample Matrix Code	6A									
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A									

Envirolab Job Number: 16/08141

Client Project Name: Neal Soil

Client Project Ref: NS13389

Lab Sample ID	16/08141/1								Units	Method ref
Client Sample No										
Client Sample ID	FC									
Depth to Top										
Depth To Bottom										
Date Sampled	15-Dec-16									
Sample Type	Soil									
Sample Matrix Code	6A									
PAH 16										
Acenaphthene _A ^{M#}	0.09								mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01								mg/kg	A-T-019s
Anthracene _A ^{M#}	0.10								mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.24								mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.22								mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.31								mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.14								mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.09								mg/kg	A-T-019s
Chrysene _A ^{M#}	0.32								mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04								mg/kg	A-T-019s
Fluoranthene _A ^{M#}	0.57								mg/kg	A-T-019s
Fluorene _A ^{M#}	0.09								mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.17								mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.08								mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.43								mg/kg	A-T-019s
Pyrene _A ^{M#}	0.45								mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	3.31								mg/kg	A-T-019s

Envirolab Job Number: 16/08141

Client Project Name: Neal Soil

Client Project Ref: NS13389

Lab Sample ID	16/08141/1								Units	Method ref
Client Sample No										
Client Sample ID	FC									
Depth to Top										
Depth To Bottom										
Date Sampled	15-Dec-16									
Sample Type	Soil									
Sample Matrix Code	6A									
Topsoil quality BS3882:2015 (without classification)										
% Clay _A	6.0								% w/w	Subcon
% Silt _A	27.5								% w/w	Subcon
% Sand _A	66.5								% w/w	Subcon
Textural class	Sandy Loam									Calc
% Coarse Fragment Content >2mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >20mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >50mm _A	<0.1								% w/w	A-T-044
Carbonate as CaCO _{3D}	14.1								% w/w	CO3s
pH _D	8.82								pH	A-T-031s
Electrical conductivity (CaSO ₄ extract) _D	2540								µs/cm	A-T-037s
Nitrogen, Total _A	1705								mg/kg	Subcon
Loss on ignition (440 °C) _D	6.3								%	A-T-030s
Phosphorus (available) _D	63								mg/l	A-T-EXTMETS
Potassium (available) _D	350								mg/l	A-T-EXTMETS
Magnesium (available) _D	82								mg/l	A-T-EXTMETS
Carbon:Nitrogen Ratio	21.1								:1	Calc-no stones
Total Organic Carbon _D ^{M#}	3.59								% w/w	A-T-032s
Zinc (HNO ₃ extractable) _D	284								mg/kg	A-T-024s
Copper (HNO ₃ extractable) _D	56								mg/kg	A-T-024s
Nickel (HNO ₃ extractable) _D	31								mg/kg	A-T-024s
% Visible Contaminants >2mm _A	<0.1								% w/w	A-T-044
% Visible Contaminants Plastics _A	<0.1								% w/w	A-T-044
Sharps, number (in 1kg of sample) _A	0								N/A	A-T-044
Acceptable textural classification?	Yes									Calc

Envirolab Job Number: 16/08141

Client Project Name: Neal Soil

Client Project Ref: NS13389

Lab Sample ID	16/08141/1								Units	Method ref
Client Sample No										
Client Sample ID	FC									
Depth to Top										
Depth To Bottom										
Date Sampled	15-Dec-16									
Sample Type	Soil									
Sample Matrix Code	6A									
TPH CWG										
Ali >C5-C6 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1								mg/kg	A-T-023s
Total Aliphatics _A	<0.1								mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C8-C9 _A [#]	0.01								mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.03								mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Aro >C12-C16 _A [#]	0.9								mg/kg	A-T-023s
Aro >C16-C21 _A [#]	4.4								mg/kg	A-T-023s
Aro >C21-C35 _A [#]	18.8								mg/kg	A-T-023s
Total Aromatics _A	24.1								mg/kg	A-T-023s
TPH (Ali & Aro) _A	24.1								mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01								mg/kg	A-T-022s
MTBE _A [#]	<0.01								mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40 °C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

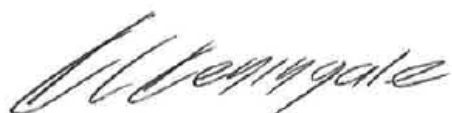
Envirolab Job Number: 17/03203
Issue Number: 1

Date: 18 May, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS13549
Order No: NS13549
Date Samples Received: 09/05/17
Date Instructions Received: 10/05/17
Date Analysis Completed: 18/05/17

Prepared by:



Kate Keningale
Administrative Assistant

Approved by:



Georgia King
Administration & Client Service Supervisor

Envirolab Job Number: 17/03203

Client Project Name: Neal Soil

Client Project Ref: NS13549

Lab Sample ID	17/03203/1	17/03203/2	17/03203/3	17/03203/4	17/03203/5	17/03203/6	17/03203/7		Units	Method ref
Client Sample No										
Client Sample ID	H92 Sand	H92 Stone	H92 FC	H93 Sand	H93 Stone	H93 FC	Filtercake			
Depth to Top										
Depth To Bottom										
Date Sampled	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17			
Sample Type	Soil	Solid	Soil	Soil	Solid	Soil	Soil			
Sample Matrix Code	1A	7	6	1A	7	6A	6			
% Stones >10mm _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		% w/w	A-T-044
pH _D ^{M#}	8.97	10.96	8.77	9.17	10.99	8.62	-		pH	A-T-031s
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		mg/kg	A-T-050s
Antimony _D	-	-	-	-	-	-	8		mg/kg	A-T-024s
Arsenic _D ^{M#}	8	<1	15	7	<1	14	10		mg/kg	A-T-024s
Beryllium _D [#]	1	1	1	1	1	1	1		mg/kg	A-T-024s
Boron (water soluble) _D ^{M#}	1.5	1.9	5.2	1.8	2.0	5.9	5.7		mg/kg	A-T-027s
Cadmium _D ^{M#}	25.5	1.4	3.3	3.8	1.2	2.5	2.2		mg/kg	A-T-024s
Copper _D ^{M#}	353	40	155	35	38	124	90		mg/kg	A-T-024s
Chromium _D ^{M#}	43	251	45	51	180	38	38		mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1	<1		mg/kg	A-T-040s
Chromium (trivalent)	43	251	45	51	180	38	38		mg/kg	Calc
Lead _D ^{M#}	159	34	308	108	24	264	241		mg/kg	A-T-024s
Mercury _D	0.61	<0.17	2.88	0.27	0.27	1.60	0.84		mg/kg	A-T-024s
Nickel _D ^{M#}	20	17	40	18	19	40	35		mg/kg	A-T-024s
Selenium _D	2	3	2	1	2	2	2		mg/kg	A-T-024s
Vanadium _D ^{M#}	-	-	-	-	-	-	38		mg/kg	A-T-024s
Zinc _D ^{M#}	385	107	600	224	161	566	458		mg/kg	A-T-024s
Leachate Prep BS EN 12457-2 (10:1) _A	*	*	*	*	*	*	-			A-T-001
Sulphate (leachable) _A [#]	316.19	82.62	383.02	306.64	34.9	615.24	-		mg/l	A-T-026w
Zinc (leachable) _A [#]	-	-	5	-	-	25	-		µg/l	A-T-025w

Envirolab Job Number: 17/03203

Client Project Name: Neal Soil

Client Project Ref: NS13549

Lab Sample ID	17/03203/1	17/03203/2	17/03203/3	17/03203/4	17/03203/5	17/03203/6	17/03203/7		Units	Method ref
Client Sample No										
Client Sample ID	H92 Sand	H92 Stone	H92 FC	H93 Sand	H93 Stone	H93 FC	Filtercake			
Depth to Top										
Depth To Bottom										
Date Sampled	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17			
Sample Type	Soil	Solid	Soil	Soil	Solid	Soil	Soil			
Sample Matrix Code	1A	7	6	1A	7	6A	6			
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	-	-	-	-	-	-	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	-	-	-	-	-	-	N/A			

Envirolab Job Number: 17/03203

Client Project Name: Neal Soil

Client Project Ref: NS13549

Lab Sample ID	17/03203/1	17/03203/2	17/03203/3	17/03203/4	17/03203/5	17/03203/6	17/03203/7		Units	Method ref
Client Sample No										
Client Sample ID	H92 Sand	H92 Stone	H92 FC	H93 Sand	H93 Stone	H93 FC	Filtercake			
Depth to Top										
Depth To Bottom										
Date Sampled	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17			
Sample Type	Soil	Solid	Soil	Soil	Solid	Soil	Soil			
Sample Matrix Code	1A	7	6	1A	7	6A	6			
PAH 16										
Acenaphthene _A ^{M#}	0.12	0.03	0.72	0.08	0.07	0.37	0.33		mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.02	<0.01	0.09	0.02	<0.01	0.07	0.05		mg/kg	A-T-019s
Anthracene _A ^{M#}	0.22	0.06	1.38	0.13	0.06	0.94	0.56		mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.22	0.18	4.11	0.70	0.18	2.52	2.19		mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.08	0.16	3.88	0.70	0.16	2.35	1.96		mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	1.48	0.20	5.86	0.88	0.22	3.33	2.84		mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.54	0.09	1.65	0.35	0.10	1.13	0.89		mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.43	<0.07	1.64	0.26	0.08	1.00	0.81		mg/kg	A-T-019s
Chrysene _A ^{M#}	1.33	0.21	5.08	0.76	0.21	3.01	2.51		mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.16	<0.04	0.57	0.11	<0.04	0.36	0.29		mg/kg	A-T-019s
Fluoranthene _A ^{M#}	2.30	0.32	7.43	1.08	0.32	4.66	4.07		mg/kg	A-T-019s
Fluorene _A ^{M#}	0.12	0.03	0.74	0.07	0.05	0.45	0.33		mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.74	0.12	2.23	0.48	0.12	1.49	1.20		mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.04	<0.03	0.41	0.04	<0.03	0.31	0.29		mg/kg	A-T-019s
Phenanthrene _A ^{M#}	1.12	0.20	3.79	0.47	0.26	2.55	2.31		mg/kg	A-T-019s
Pyrene _A ^{M#}	1.71	0.26	6.17	0.91	0.27	3.64	3.07		mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	12.6	1.90	45.7	7.03	2.11	28.2	23.7		mg/kg	A-T-019s

Envirolab Job Number: 17/03203

Client Project Name: Neal Soil

Client Project Ref: NS13549

Lab Sample ID	17/03203/1	17/03203/2	17/03203/3	17/03203/4	17/03203/5	17/03203/6	17/03203/7		Units	Method ref
Client Sample No										
Client Sample ID	H92 Sand	H92 Stone	H92 FC	H93 Sand	H93 Stone	H93 FC	Filtercake			
Depth to Top										
Depth To Bottom										
Date Sampled	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17			
Sample Type	Soil	Solid	Soil	Soil	Solid	Soil	Soil			
Sample Matrix Code	1A	7	6	1A	7	6A	6			
Topsoil quality BS3882:2015 (without classification)										
% Clay _A	-	-	-	-	-	-	15.9		% w/w	Subcon
% Silt _A	-	-	-	-	-	-	60.6		% w/w	Subcon
% Sand _A	-	-	-	-	-	-	23.6		% w/w	Subcon
Textural class	-	-	-	-	-	-	Sandy Silt Loam			Calc
% Coarse Fragment Content >2mm _A	-	-	-	-	-	-	<0.1		% w/w	A-T-044
% Coarse Fragment Content >20mm _A	-	-	-	-	-	-	<0.1		% w/w	A-T-044
% Coarse Fragment Content >50mm _A	-	-	-	-	-	-	<0.1		% w/w	A-T-044
Carbonate as CaCO _{3D}	-	-	-	-	-	-	13.0		% w/w	CO3s
pH _D	-	-	-	-	-	-	8.88		pH	A-T-031s
Electrical conductivity (CaSO ₄ extract) _D	-	-	-	-	-	-	3090		µs/cm	A-T-037s
Nitrogen, Total _A	-	-	-	-	-	-	2224		mg/kg	Subcon
Loss on ignition (440 °C) _D	-	-	-	-	-	-	7.4		%	A-T-030s
Phosphorus (available) as PO _{4D}	-	-	-	-	-	-	168		mg/l	A-T-EXTMETS
Potassium (available) _D	-	-	-	-	-	-	517		mg/l	A-T-EXTMETS
Magnesium (available) _D	-	-	-	-	-	-	130		mg/l	A-T-EXTMETS
Carbon:Nitrogen Ratio	-	-	-	-	-	-	19.6		:1	Calc-no stones
Zinc (HNO ₃ extractable) _D	-	-	-	-	-	-	438		mg/kg	A-T-024s
Copper (HNO ₃ extractable) _D	-	-	-	-	-	-	85		mg/kg	A-T-024s
Nickel (HNO ₃ extractable) _D	-	-	-	-	-	-	34		mg/kg	A-T-024s
% Visible Contaminants >2mm _A	-	-	-	-	-	-	<0.1		% w/w	A-T-044
% Visible Contaminants Plastics _A	-	-	-	-	-	-	<0.1		% w/w	A-T-044
Sharps, number (in 1kg of sample) _A	-	-	-	-	-	-	0		N/A	A-T-044
Acceptable textural classification?	-	-	-	-	-	-	Yes			Calc

Envirolab Job Number: 17/03203

Client Project Name: Neal Soil

Client Project Ref: NS13549

Lab Sample ID	17/03203/1	17/03203/2	17/03203/3	17/03203/4	17/03203/5	17/03203/6	17/03203/7		Units	Method ref
Client Sample No										
Client Sample ID	H92 Sand	H92 Stone	H92 FC	H93 Sand	H93 Stone	H93 FC	Filtercake			
Depth to Top										
Depth To Bottom										
Date Sampled	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17	08-May-17			
Sample Type	Soil	Solid	Soil	Soil	Solid	Soil	Soil			
Sample Matrix Code	1A	7	6	1A	7	6A	6			
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		mg/kg	A-T-023s
Ali >C12-C16 _A [#]	0.5	<0.1	<0.1	1.0	<0.1	<0.1	<0.1		mg/kg	A-T-023s
Ali >C16-C21 _A [#]	6.3	<0.1	<0.1	6.4	<0.1	6.6	<0.1		mg/kg	A-T-023s
Ali >C21-C35 _A [#]	57.1	<0.1	<0.1	51.5	<0.1	30.0	<0.1		mg/kg	A-T-023s
Total Aliphatics _A	63.9	<0.1	<0.1	58.8	<0.1	36.6	<0.1		mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		mg/kg	A-T-023s
Aro >C12-C16 _A [#]	0.3	<0.1	<0.1	1.5	<0.1	1.7	<0.1		mg/kg	A-T-023s
Aro >C16-C21 _A [#]	5.4	0.8	4.4	10.4	<0.1	10.2	5.2		mg/kg	A-T-023s
Aro >C21-C35 _A [#]	29.4	0.8	8.9	52.5	<0.1	24.5	3.5		mg/kg	A-T-023s
Total Aromatics _A	35.2	1.5	13.2	64.5	<0.1	36.4	8.7		mg/kg	A-T-023s
TPH (Ali & Aro) _A	98.9	1.5	13.2	123	<0.1	73.0	8.7		mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40 °C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Concept Life Sciences

Certificate of Analysis

Report Number: 664096-2

Date of Report: 05-Jul-2017

Customer: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Customer Contact: Ms Hannah Meringolo

Customer Job Reference:

Customer Purchase Order: NS14029

Customer Site Reference: Neal Soils

Date Job Received at Concept: 28-Jun-2017

Date Analysis Started: 29-Jun-2017

Date Analysis Completed: 05-Jul-2017

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept SOPs



1549

Report checked
and authorised by :
Aislinn Arthey
Trainee Project Manager

Issued by :
Aislinn Arthey
Trainee Project Manager

A handwritten signature in black ink, appearing to read 'Aislinn Arthey'.

Concept Reference: 664096 Project Site: Neal Soils Customer Reference: Soil Analysed as Soil Soil Suite 2					
Concept Reference					664096 002
Customer Sample Reference					Sharp Sand
Date Sampled					27-JUN-2017
Matrix Class					Fill
Determinand	Method	Test Sample	LOD	Units	
Arsenic	T257	A40	2.0	mg/kg	13
Boron (water-soluble)	T82	A40	1	mg/kg	<1
Cadmium	T257	A40	0.1	mg/kg	0.8
Chromium	T257	A40	0.5	mg/kg	43
Copper	T257	A40	2	mg/kg	150
Lead	T257	A40	2	mg/kg	120
Mercury	T245	A40	1.0	mg/kg	<1.0
Nickel	T257	A40	0.5	mg/kg	19
Selenium	T257	A40	3	mg/kg	<3
Zinc	T257	A40	2	mg/kg	360
Chromium VI	T82	A40	1	mg/kg	<1
pH	T7	A40			9.5
Moisture @105C	T162	AR	0.1	%	1.6
Retained on 2mm	T2	A40	0.1	%	43.1

Concept Reference: 664096 Project Site: Neal Soils Customer Reference: Soil Analysed as Soil Miscellaneous						
Concept Reference			664096 002		664096 004	
Customer Sample Reference			Sharp Sand		Filtercake	
Date Sampled			27-JUN-2017		27-JUN-2017	
Matrix Class			Fill			
Determinand	Method	Test Sample	LOD	Units		
Asbestos ID	T27	A40			Asbestos not detected	Asbestos not detected

Concept Reference: 664096 Project Site: Neal Soils Customer Reference: Soil Analysed as Soil Total and Speciated USEPA16 PAH (SE) (MCERTS)						
Concept Reference				664096 001	664096 002	
Customer Sample Reference				Filtercake	Sharp Sand	
Date Sampled				27-JUN-2017	27-JUN-2017	
Matrix Class				Other	Fill	
Determinand	Method	Test Sample	LOD	Units		
Naphthalene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Acenaphthylene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Acenaphthene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Fluorene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Phenanthrene	T16	AR	0.1	mg/kg	3.1	(2) <2.0
Anthracene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Fluoranthene	T16	AR	0.1	mg/kg	5.5	2.9
Pyrene	T16	AR	0.1	mg/kg	4.2	2.1
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	3.2	(2) <2.0
Chrysene	T16	AR	0.1	mg/kg	4.0	(2) <2.0
Benzo(b)fluoranthene	T16	AR	0.1	mg/kg	3.7	(2) <2.0
Benzo(k)fluoranthene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	3.1	(2) <2.0
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	(2) <2.0	(2) <2.0
PAH(total)	T16	AR	0.1	mg/kg	27	5.0

Concept Reference: 664096 Project Site: Neal Soils Customer Reference: Soil Analysed as Soil TPH (CWG) with MTBE & BTEX SE						
Concept Reference				664096 001	664096 002	
Customer Sample Reference				Filtercake	Sharp Sand	
Date Sampled				27-JUN-2017	27-JUN-2017	
Matrix Class				Other	Fill	
Determinand	Method	Test Sample	LOD	Units		
Benzene	T209	AR	0.010	mg/kg	<0.010	<0.010
Toluene	T209	AR	0.010	mg/kg	<0.010	<0.010
EthylBenzene	T209	AR	0.010	mg/kg	<0.010	<0.010
M/P Xylene	T209	AR	0.010	mg/kg	<0.010	<0.010
O Xylene	T209	AR	0.010	mg/kg	<0.010	<0.010
Methyl tert-Butyl Ether	T209	AR	0.010	mg/kg	<0.010	<0.010
TPH (C5-C6 aliphatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C6-C7 aromatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C6-C8 aliphatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C7-C8 aromatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C8-C10 aliphatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C8-C10 aromatic)	T54	AR	0.10	mg/kg	<0.10	<0.10
TPH (C10-C12 aliphatic)	T219	AR	2	mg/kg	19	18
TPH (C10-C12 aromatic)	T219	AR	2	mg/kg	20	13
TPH (C12-C16 aliphatic)	T219	AR	2	mg/kg	44	34
TPH (C12-C16 aromatic)	T219	AR	2	mg/kg	54	42
TPH (C16-C21 aliphatic)	T219	AR	2	mg/kg	74	43
TPH (C16-C21 aromatic)	T219	AR	2	mg/kg	180	58
TPH (C21-C35 aliphatic)	T219	AR	2	mg/kg	510	240
TPH (C21-C35 aromatic)	T219	AR	2	mg/kg	480	470

AR	0.020	mg/l	<0.020
AR	0.020	mg/l	<0.020
AR	0.020	mg/l	<0.020
AR	0.020	mg/l	<0.020
AR	0.020	mg/l	<0.020
AR	0.01	mg/l	<0.01
AR	0.01	mg/l	0.03
AR	0.01	mg/l	<0.01
AR	0.01	mg/l	0.14
AR	0.01	mg/l	<0.01
AR	0.01	mg/l	0.26
AR	0.01	mg/l	0.05
AR	0.01	mg/l	0.27

Index to symbols used in 664096-2

Value	Description
AR	As Received
A40	Assisted dried < 40C
F	Filtered
N.D.	Not Detected
2	LOD Raised Due to Matrix Interference
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Notes

Analysis is not UKAS accredited

Notes

Notes

Notes

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Notes

Notes

T274	Probe (BS 3882)
T54	GC/MS (Headspace)
T219	GC/FID (SE)
T272	ICP/OES (Ammonium Nitrate)
T873	Grav (4 Dec) (Dry 125 C)(Ign 440 C)
T956	Colorimetry (Sodium Hydrogen Carbonate Extract)
T312	ICP-OES (Nitric Acid Extraction)
T16	GC/MS
T26	Microscopy (Low Mag.)
T267	GC/TCD (Dumas)
T686	Discrete Analyser
T149	GC/MS (SIR)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Asbestos ID	T27	A40			SU	002,004
Arsenic	T257	A40	2.0	mg/kg	N	001
Antimony	T257	A40	5	mg/kg	N	001
Barium	T257	A40	2	mg/kg	N	001
Beryllium	T245	A40	0.5	mg/kg	N	001
Boron (water-soluble)	T82	A40	1	mg/kg	N	001-002
Cadmium	T257	A40	0.1	mg/kg	N	001
Chromium	T257	A40	0.5	mg/kg	N	001
Copper	T257	A40	2	mg/kg	N	001
Lead	T257	A40	2	mg/kg	N	001
Mercury	T245	A40	1.0	mg/kg	N	001
Nickel	T257	A40	0.5	mg/kg	N	001
Selenium	T257	A40	3	mg/kg	N	001
Vanadium	T257	A40	0.1	mg/kg	N	001
Zinc	T257	A40	2	mg/kg	N	001
Chromium VI	T82	A40	1	mg/kg	N	001-002
pH	T7	A40			N	001
Phenols(Mono)	T921	AR	1	mg/kg	N	001
Moisture @105C	T162	AR	0.1	%	N	001-002
Retained on 2mm	T2	A40	0.1	%	N	001-002
Naphthalene	T16	AR	0.1	mg/kg	N	001
Naphthalene	T16	AR	0.1	mg/kg	U	002
Acenaphthylene	T16	AR	0.1	mg/kg	N	001
Acenaphthylene	T16	AR	0.1	mg/kg	U	002
Acenaphthene	T16	AR	0.1	mg/kg	N	001
Acenaphthene	T16	AR	0.1	mg/kg	U	002
Fluorene	T16	AR	0.1	mg/kg	N	001
Fluorene	T16	AR	0.1	mg/kg	U	002
Phenanthrene	T16	AR	0.1	mg/kg	N	001
Phenanthrene	T16	AR	0.1	mg/kg	U	002
Anthracene	T16	AR	0.1	mg/kg	N	001
Anthracene	T16	AR	0.1	mg/kg	U	002
Fluoranthene	T16	AR	0.1	mg/kg	N	001-002
Pyrene	T16	AR	0.1	mg/kg	N	001-002
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	N	001
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	U	002
Chrysene	T16	AR	0.1	mg/kg	N	001
Chrysene	T16	AR	0.1	mg/kg	U	002
Benzo(b)fluoranthene	T16	AR	0.1	mg/kg	N	001
Benzo(b)fluoranthene	T16	AR	0.1	mg/kg	U	002
Benzo(k)fluoranthene	T16	AR	0.1	mg/kg	N	001-002
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	N	001
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	U	002
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	N	001
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	U	002
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	N	001
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	U	002
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	N	001
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	U	002
PAH(total)	T16	AR	0.1	mg/kg	N	001
PAH(total)	T16	AR	0.1	mg/kg	U	002
Copper	T312	A40	1	mg/kg	N	001
Nickel	T312	A40	1	mg/kg	N	001
Zinc	T312	A40	1	mg/kg	N	001

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Mg (Extractable BS 3882)	T272	A40	10	mg/l	N	001
Phosphorous	T956	A40	10	mg/l	N	001
K (Extractable BS 3882)	T272	A40	10	mg/l	N	001
Carbon / Nitrogen ratio	T85	A40			N	001
Electrical Conductivity	T271	A40	10	µS/cm	N	001
Neutralising Value (expressed as CaCO3)	T22	A40	0.1	%	N	001
Nitrogen (Total)	T267	A40		%m/m	SN	001
LOI (OM) (125-440)C	T873	A40		%	N	001
pH (2.5:1 extract)	T274	A40			N	001
Sand Content	T2	A40	1.0	%	SN	001
Silt Content	T2	A40	1.0	%	SN	001
Clay Content	T2	A40	1.0	%	SN	001
Retained on 20mm	T2	A40	0.1	%	N	001
Retained on 50mm	T2	A40	0.1	%	N	001
Texture	T26	A40			SN	001
Sharps	T2	AR		Number/kg	N	001
Visible Contaminants	T161	AR	0.5	%	N	001
Visible Contaminants (Plastics)	T2	AR	0.25	%	N	001
Benzene	T209	AR	0.010	mg/kg	N	001
Benzene	T209	AR	0.010	mg/kg	U	002
Toluene	T209	AR	0.010	mg/kg	N	001
Toluene	T209	AR	0.010	mg/kg	U	002
EthylBenzene	T209	AR	0.010	mg/kg	N	001
EthylBenzene	T209	AR	0.010	mg/kg	U	002
M/P Xylene	T209	AR	0.010	mg/kg	N	001
M/P Xylene	T209	AR	0.010	mg/kg	U	002
O Xylene	T209	AR	0.010	mg/kg	N	001
O Xylene	T209	AR	0.010	mg/kg	U	002
Methyl tert-Butyl Ether	T209	AR	0.010	mg/kg	N	001
Methyl tert-Butyl Ether	T209	AR	0.010	mg/kg	U	002
TPH (C5-C6 aliphatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C6-C7 aromatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C6-C8 aliphatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C7-C8 aromatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C8-C10 aliphatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C8-C10 aromatic)	T54	AR	0.10	mg/kg	N	001-002
TPH (C10-C12 aliphatic)	T219	AR	2	mg/kg	N	001-002
TPH (C10-C12 aromatic)	T219	AR	2	mg/kg	N	001-002
TPH (C12-C16 aliphatic)	T219	AR	2	mg/kg	N	001-002
TPH (C12-C16 aromatic)	T219	AR	2	mg/kg	N	001-002
TPH (C16-C21 aliphatic)	T219	AR	2	mg/kg	N	001-002
TPH (C16-C21 aromatic)	T219	AR	2	mg/kg	N	001-002
TPH (C21-C35 aliphatic)	T219	AR	2	mg/kg	N	001-002
TPH (C21-C35 aromatic)	T219	AR	2	mg/kg	N	001-002
Arsenic	T257	A40	2.0	mg/kg	U	002
Cadmium	T257	A40	0.1	mg/kg	U	002
Chromium	T257	A40	0.5	mg/kg	U	002
Copper	T257	A40	2	mg/kg	U	002
Lead	T257	A40	2	mg/kg	U	002
Mercury	T245	A40	1.0	mg/kg	U	002
Nickel	T257	A40	0.5	mg/kg	U	002
Selenium	T257	A40	3	mg/kg	U	002
Zinc	T257	A40	2	mg/kg	U	002
pH	T7	A40			U	002
As (Dissolved)	T281	F	0.0002	mg/l	U	003
B (Dissolved)	T281	F	0.05	mg/l	U	003
Cd (Dissolved)	T281	F	0.00002	mg/l	U	003
Cr (Dissolved)	T281	F	0.001	mg/l	U	003
Cu (Dissolved)	T281	F	0.0005	mg/l	U	003
Pb (Dissolved)	T281	F	0.0003	mg/l	U	003
Hg (Dissolved)	T281	F	0.00005	mg/l	U	003
Ni (Dissolved)	T281	F	0.001	mg/l	U	003
Se (Dissolved)	T281	F	0.0005	mg/l	U	003
Zn (Dissolved)	T281	F	0.002	mg/l	U	003
Chromium VI	T686	F	0.003	mg/l	U	003
pH	T7	F			U	003
Naphthalene	T149	AR	0.00001	mg/l	U	003
Acenaphthylene	T149	AR	0.00001	mg/l	U	003
Acenaphthene	T149	AR	0.00001	mg/l	U	003
Fluorene	T149	AR	0.00001	mg/l	U	003

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Phenanthrene	T149	AR	0.00001	mg/l	U	003
Anthracene	T149	AR	0.00001	mg/l	U	003
Fluoranthene	T149	AR	0.00001	mg/l	U	003
Pyrene	T149	AR	0.00001	mg/l	U	003
Benzo(a)Anthracene	T149	AR	0.00001	mg/l	U	003
Chrysene	T149	AR	0.00001	mg/l	U	003
Benzo(b)fluoranthene	T149	AR	0.00001	mg/l	N	003
Benzo(k)fluoranthene	T149	AR	0.00001	mg/l	U	003
Benzo(a)Pyrene	T149	AR	0.00001	mg/l	U	003
Indeno(123-cd)Pyrene	T149	AR	0.00001	mg/l	U	003
Dibenzo(ah)Anthracene	T149	AR	0.00001	mg/l	U	003
Benzo(ghi)Perylene	T149	AR	0.00001	mg/l	U	003
PAH(total)	T149	AR	0.00001	mg/l	N	003
Benzene	T54	AR	0.001	mg/l	U	003
Toluene	T54	AR	0.001	mg/l	U	003
EthylBenzene	T54	AR	0.001	mg/l	U	003
M/P Xylene	T54	AR	0.001	mg/l	U	003
O Xylene	T54	AR	0.001	mg/l	U	003
Methyl tert-Butyl Ether	T54	AR	0.001	mg/l	U	003
TPH (C5-C6 aliphatic)	T54	AR	0.020	mg/l	N	003
TPH (C6-C7 aromatic)	T54	AR	0.020	mg/l	N	003
TPH (C6-C8 aliphatic)	T54	AR	0.020	mg/l	N	003
TPH (C7-C8 aromatic)	T54	AR	0.020	mg/l	N	003
TPH (C8-C10 aliphatic)	T54	AR	0.020	mg/l	N	003
TPH (C8-C10 aromatic)	T54	AR	0.020	mg/l	N	003
TPH (C10-C12 aliphatic)	T219	AR	0.01	mg/l	N	003
TPH (C10-C12 aromatic)	T219	AR	0.01	mg/l	N	003
TPH (C12-C16 aliphatic)	T219	AR	0.01	mg/l	N	003
TPH (C12-C16 aromatic)	T219	AR	0.01	mg/l	N	003
TPH (C16-C21 aliphatic)	T219	AR	0.01	mg/l	N	003
TPH (C16-C21 aromatic)	T219	AR	0.01	mg/l	N	003
TPH (C21-C35 aliphatic)	T219	AR	0.01	mg/l	N	003
TPH (C21-C35 aromatic)	T219	AR	0.01	mg/l	N	003

FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 17/07200/2

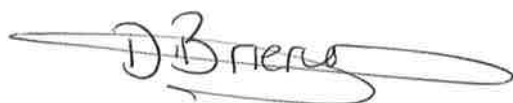
Envirolab Job Number: 17/07200
Issue Number: 3

Date: 06 November, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS15698
Order No: NS15698
Date Samples Received: 23/10/17
Date Instructions Received: 23/10/17
Date Analysis Completed: 06/11/17

Prepared by:



Danielle Brierley
Client Manager

Approved by:



John Gustafson
Director

Envirolab Job Number: 17/07200/1

Client Project Name: Neal Soil

Client Project Ref: NS15698

Lab Sample ID	17/07200/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	17-Oct-17									
Sample Type	Soil									
Sample Matrix Code	6									
% Stones >10mm _A	<0.1								% w/w	A-T-044
pH _D	9.40								pH	A-T-031s
Phosphorus (extractable) _D	62								mg/l	RB427 Method 59
Arsenic _D ^{M#}	34								mg/kg	A-T-024s
Cadmium _D ^{M#}	1.2								mg/kg	A-T-024s
Copper _D ^{M#}	71								mg/kg	A-T-024s
Chromium _D ^{M#}	28								mg/kg	A-T-024s
Chromium (hexavalent) _D	<1								mg/kg	A-T-040s
Chromium (trivalent)	28								mg/kg	Calc
Lead _D ^{M#}	213								mg/kg	A-T-024s
Mercury _D	1.63								mg/kg	A-T-024s
Nickel _D ^{M#}	29								mg/kg	A-T-024s
Selenium _D ^{M#}	2								mg/kg	A-T-024s
Zinc _D ^{M#}	246								mg/kg	A-T-024s

Envirolab Job Number: 17/07200

Client Project Name: Neal Soil

Client Project Ref: NS15698

Lab Sample ID	17/07200/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	17-Oct-17									
Sample Type	Soil									
Sample Matrix Code	6									
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A									

Envirolab Job Number: 17/07200/1

Client Project Name: Neal Soil

Client Project Ref: NS15698

Lab Sample ID	17/07200/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	17-Oct-17									
Sample Type	Soil									
Sample Matrix Code	6									
PAH 16										
Acenaphthene _A ^{M#}	1.01								mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.23								mg/kg	A-T-019s
Anthracene _A ^{M#}	2.31								mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	9.94								mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	6.88								mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	11.2								mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	3.47								mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	3.72								mg/kg	A-T-019s
Chrysene _A ^{M#}	10.2								mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	1.45								mg/kg	A-T-019s
Fluoranthene _A ^{M#}	16.3								mg/kg	A-T-019s
Fluorene _A ^{M#}	1.03								mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	4.45								mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.31								mg/kg	A-T-019s
Phenanthrene _A ^{M#}	8.10								mg/kg	A-T-019s
Pyrene _A ^{M#}	11.7								mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	92.3								mg/kg	A-T-019s

Envirolab Job Number: 17/07200

Client Project Name: Neal Soil

Client Project Ref: NS15698

Lab Sample ID	17/07200/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	17-Oct-17									
Sample Type	Soil									
Sample Matrix Code	6									
Topsoil quality BS3882:2015 (without classification)										
% Clay _A	8.8								% w/w	Subcon
% Silt _A	41.2								% w/w	Subcon
% Sand _A	50.0								% w/w	Subcon
Textural class	Sandy Silt Loam									Calc
% Coarse Fragment Content >2mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >20mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >50mm _A	<0.1								% w/w	A-T-044
Carbonate as CaCO _{3D}	5.3								% w/w	CO ₃ s
pH _D	9.37								pH	A-T-031s
Electrical conductivity _D	2250								µs/cm	A-T-037s
Nitrogen, Total % _A	0.191								%	Subcon
Loss on ignition (440°C) _D	6.0								% w/w	A-T-030s
Extractable phosphate _D	189								mg/l	A-T-EXTMETS
Extractable potassium _D	390								mg/l	A-T-EXTMETS
Extractable magnesium _D	97								mg/l	A-T-EXTMETS
Carbon:Nitrogen Ratio	18.5								:1	Calc-no stones
Zinc (HNO ₃ extractable) _D	244								mg/kg	A-T-024s
Copper (HNO ₃ extractable) _D	68								mg/kg	A-T-024s
Nickel (HNO ₃ extractable) _D	29								mg/kg	A-T-024s
% Visible Contaminants >2mm _A	<0.1								% w/w	A-T-044
% Visible Contaminants Plastics _A	<0.1								% w/w	A-T-044
Sharps, number (in 1kg of sample) _A	0								N/A	A-T-044
Acceptable textural classification?	Yes									Calc

Envirolab Job Number: 17/07200/1

Client Project Name: Neal Soil

Client Project Ref: NS15698

Lab Sample ID	17/07200/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	17-Oct-17									
Sample Type	Soil									
Sample Matrix Code	6									
TPH CWG										
Ali >C5-C6 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1								mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1								mg/kg	A-T-023s
Total Aliphatics _A	<0.1								mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C8-C9 _A [#]	0.01								mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.01								mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1								mg/kg	A-T-023s
Aro >C12-C16 _A [#]	4.2								mg/kg	A-T-023s
Aro >C16-C21 _A [#]	20.0								mg/kg	A-T-023s
Aro >C21-C35 _A [#]	44.3								mg/kg	A-T-023s
Total Aromatics _A	68.7								mg/kg	A-T-023s
TPH (Ali & Aro) _A	68.7								mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01								mg/kg	A-T-022s
MTBE _A [#]	<0.01								mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/08266

Issue Number: 1

Date: 14 December, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS17566
Order No: NS17566
Date Samples Received: 05/12/17
Date Instructions Received: 05/12/17
Date Analysis Completed: 14/12/17

Prepared by:



Holly Neary-King
Administrative Assistant

Approved by:



Iain Haslock
Analytical Consultant

Envirolab Job Number: 17/08266

Client Project Name: Neal Soil

Client Project Ref: NS17566

Lab Sample ID	17/08266/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	01-Dec-17									
Sample Type	Soil									
Sample Matrix Code	5									
% Stones >10mm _A	<0.1								% w/w	A-T-044
pH _D	9.62								pH	A-T-031s
Arsenic _D ^{M#}	10								mg/kg	A-T-024s
Cadmium _D ^{M#}	1.7								mg/kg	A-T-024s
Copper _D ^{M#}	66								mg/kg	A-T-024s
Chromium _D ^{M#}	32								mg/kg	A-T-024s
Chromium (hexavalent) _D	<1								mg/kg	A-T-040s
Chromium (trivalent)	32								mg/kg	Calc
Lead _D ^{M#}	151								mg/kg	A-T-024s
Mercury _D	1.09								mg/kg	A-T-024s
Nickel _D ^{M#}	26								mg/kg	A-T-024s
Selenium _D ^{M#}	1								mg/kg	A-T-024s
Zinc _D ^{M#}	246								mg/kg	A-T-024s

Envirolab Job Number: 17/08266

Client Project Name: Neal Soil

Client Project Ref: NS17566

Lab Sample ID	17/08266/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	01-Dec-17									
Sample Type	Soil									
Sample Matrix Code	5									
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A									

Envirolab Job Number: 17/08266

Client Project Name: Neal Soil

Client Project Ref: NS17566

Lab Sample ID	17/08266/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	01-Dec-17									
Sample Type	Soil									
Sample Matrix Code	5									
PAH 16										
Acenaphthene _A ^{M#}	0.82								mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.25								mg/kg	A-T-019s
Anthracene _A ^{M#}	2.08								mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	9.28								mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	6.11								mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	8.95								mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	3.50								mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	2.85								mg/kg	A-T-019s
Chrysene _A ^{M#}	9.68								mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	1.57								mg/kg	A-T-019s
Fluoranthene _A ^{M#}	14.1								mg/kg	A-T-019s
Fluorene _A ^{M#}	1.11								mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	4.67								mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.50								mg/kg	A-T-019s
Phenanthrene _A ^{M#}	7.59								mg/kg	A-T-019s
Pyrene _A ^{M#}	10								mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	83.1								mg/kg	A-T-019s

Envirolab Job Number: 17/08266

Client Project Name: Neal Soil

Client Project Ref: NS17566

Lab Sample ID	17/08266/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	01-Dec-17									
Sample Type	Soil									
Sample Matrix Code	5									
Topsoil quality BS3882:2015 (without classification)										
% Clay _A	6.5								% w/w	Subcon
% Silt _A	28.8								% w/w	Subcon
% Sand _A	64.7								% w/w	Subcon
Textural class	Sandy Loam									Calc
% Coarse Fragment Content >2mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >20mm _A	<0.1								% w/w	A-T-044
% Coarse Fragment Content >50mm _A	<0.1								% w/w	A-T-044
Carbonate as CaCO _{3D}	8.8								% w/w	CO3s
pH _D	8.93								pH	A-T-031s
Electrical conductivity _D	2880								µs/cm	A-T-037s
Nitrogen, Total % _A	0.178								%	Subcon
Loss on ignition (440°C) _D	8.5								% w/w	A-T-030s
Extractable phosphate _D	166								mg/l	A-T-EXTMETS
Extractable potassium _D	299								mg/l	A-T-EXTMETS
Extractable magnesium _D	67								mg/l	A-T-EXTMETS
Carbon:Nitrogen Ratio	28.1								:1	Calc-no stones
Zinc (HNO3 extractable) _D	250								mg/kg	A-T-024s
Copper (HNO3 extractable) _D	71								mg/kg	A-T-024s
Nickel (HNO3 extractable) _D	27								mg/kg	A-T-024s
% Visible Contaminants >2mm _A	<0.1								% w/w	A-T-044
% Visible Contaminants Plastics _A	<0.1								% w/w	A-T-044
Sharps, number (in 1kg of sample) _A	0								N/A	A-T-044
Acceptable textural classification?	Yes									Calc

Envirolab Job Number: 17/08266

Client Project Name: Neal Soil

Client Project Ref: NS17566

Lab Sample ID	17/08266/1								Units	Method ref
Client Sample No										
Client Sample ID	Filtercake									
Depth to Top										
Depth To Bottom										
Date Sampled	01-Dec-17									
Sample Type	Soil									
Sample Matrix Code	5									
TPH CWG										
Ali >C5-C6 _A [#]	<0.01								mg/kg	A-T-022s
Ali >C6-C8 _A [#]	0.01								mg/kg	A-T-022s
Ali >C8-C10 _A [#]	0.10								mg/kg	A-T-022s
Ali >C10-C12 _A [#]	2.5								mg/kg	A-T-023s
Ali >C12-C16 _A [#]	18.3								mg/kg	A-T-023s
Ali >C16-C21 _A [#]	25.9								mg/kg	A-T-023s
Ali >C21-C35 _A [#]	38.0								mg/kg	A-T-023s
Total Aliphatics _A	84.6								mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01								mg/kg	A-T-022s
Aro >C8-C9 _A [#]	0.07								mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.29								mg/kg	A-T-022s
Aro >C10-C12 _A [#]	4.8								mg/kg	A-T-023s
Aro >C12-C16 _A [#]	14.4								mg/kg	A-T-023s
Aro >C16-C21 _A [#]	20.6								mg/kg	A-T-023s
Aro >C21-C35 _A [#]	23.3								mg/kg	A-T-023s
Total Aromatics _A	63.6								mg/kg	A-T-023s
TPH (Ali & Aro) _A	148								mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01								mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	0.04								mg/kg	A-T-022s
BTEX - o Xylene _A [#]	0.03								mg/kg	A-T-022s
MTBE _A [#]	<0.01								mg/kg	A-T-022s

REPORT NOTES

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Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/00239
Issue Number: 1

Date: 24 January, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS13393
Order No: NS13393
Date Samples Received: 13/01/17
Date Instructions Received: 16/01/17
Date Analysis Completed: 24/01/17

Prepared by:

A handwritten signature in blue ink that reads "M Marshall".

Melanie Marshall
Laboratory Coordinator

Approved by:

A handwritten signature in blue ink that reads "G Walker".

Gill Walker
Laboratory Manager

Envirolab Job Number: 17/00239

Client Project Name: Neal Soil

Client Project Ref: NS13393

Lab Sample ID	17/00239/1	17/00239/4	17/00239/7	17/00239/10	17/00239/13	17/00239/16			Units	Method ref
Client Sample No										
Client Sample ID	H67 FC	H68 FC	H69 FC	H70 FC	H71 FC	H72 FC				
Depth to Top										
Depth To Bottom										
Date Sampled	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	3A	6A	6A	6A	6A	6A				
% Stones >10mm _A [#]	<0.1	<0.1	0.7	<0.1	<0.1	<0.1			% w/w	A-T-044
pH _D ^{M#}	10.33	9.48	8.97	8.70	9.55	9.34			pH	A-T-031s
Arsenic _D ^{M#}	12	17	12	15	17	16			mg/kg	A-T-024s
Cadmium _D ^{M#}	1.7	1.9	2.9	2.5	1.7	1.9			mg/kg	A-T-024s
Copper _D ^{M#}	50	80	71	84	69	82			mg/kg	A-T-024s
Chromium _D ^{M#}	30	36	39	38	38	38			mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1			mg/kg	A-T-040s
Chromium (trivalent)	30	36	39	38	38	38			mg/kg	Calc
Lead _D ^{M#}	141	244	175	227	215	231			mg/kg	A-T-024s
Mercury _D	0.23	0.58	0.34	0.36	0.36	0.45			mg/kg	A-T-024s
Nickel _D ^{M#}	27	32	33	35	30	32			mg/kg	A-T-024s
Selenium _D	2	3	2	2	2	2			mg/kg	A-T-024s
Zinc _D ^{M#}	244	336	316	451	286	321			mg/kg	A-T-024s

Envirolab Job Number: 17/00239

Client Project Name: Neal Soil

Client Project Ref: NS13393

Lab Sample ID	17/00239/1	17/00239/4	17/00239/7	17/00239/10	17/00239/13	17/00239/16			Units	Method ref
Client Sample No										
Client Sample ID	H67 FC	H68 FC	H69 FC	H70 FC	H71 FC	H72 FC				
Depth to Top										
Depth To Bottom										
Date Sampled	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	3A	6A	6A	6A	6A	6A				
PAH 16										
Acenaphthene _A ^{M#}	0.21	0.30	0.29	0.31	0.29	0.31			mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.02	0.04	0.14	0.09	0.03	0.04			mg/kg	A-T-019s
Anthracene _A ^{M#}	0.40	0.60	0.95	0.91	0.53	0.62			mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.79	2.80	5.00	4.65	2.07	2.77			mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.44	2.29	3.90	3.51	1.63	2.49			mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	2.55	3.86	6.39	5.89	2.89	4.11			mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.68	1.33	2.15	2.16	0.95	1.54			mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.81	1.22	2.08	1.68	0.84	1.31			mg/kg	A-T-019s
Chrysene _A ^{M#}	1.86	2.68	4.44	4.15	2.11	2.94			mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.18	0.31	0.53	0.53	0.24	0.39			mg/kg	A-T-019s
Fluoranthene _A ^{M#}	2.97	4.50	7.94	7.32	3.54	4.24			mg/kg	A-T-019s
Fluorene _A ^{M#}	0.22	0.30	0.46	0.41	0.28	0.31			mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.83	1.54	2.71	2.54	1.15	1.83			mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.16	0.22	0.27	0.32	0.28	0.24			mg/kg	A-T-019s
Phenanthrene _A ^{M#}	1.62	2.22	3.37	2.98	1.96	2.20			mg/kg	A-T-019s
Pyrene _A ^{M#}	2.42	3.66	6.30	5.90	2.82	3.34			mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	18.2	27.9	46.9	43.4	21.6	28.7			mg/kg	A-T-019s

Envirolab Job Number: 17/00239

Client Project Name: Neal Soil

Client Project Ref: NS13393

Lab Sample ID	17/00239/1	17/00239/4	17/00239/7	17/00239/10	17/00239/13	17/00239/16			Units	Method ref
Client Sample No										
Client Sample ID	H67 FC	H68 FC	H69 FC	H70 FC	H71 FC	H72 FC				
Depth to Top										
Depth To Bottom										
Date Sampled	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	3A	6A	6A	6A	6A	6A				
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	2.0	<0.1	<0.1	0.4	<0.1			mg/kg	A-T-023s
Ali >C12-C16 _A [#]	1.7	5.6	<0.1	2.1	2.0	<0.1			mg/kg	A-T-023s
Ali >C16-C21 _A [#]	6.5	9.9	<0.1	6.7	7.3	3.9			mg/kg	A-T-023s
Ali >C21-C35 _A [#]	30.1	53.9	<0.1	37.5	34.1	39.2			mg/kg	A-T-023s
Total Aliphatics _A	38.3	71.5	<0.1	46.3	43.9	43.1			mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C8-C9 _A [#]	0.02	0.03	<0.01	<0.01	0.03	0.01			mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.02	0.03	<0.01	<0.01	0.03	0.03			mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C12-C16 _A [#]	0.6	3.0	<0.1	6.7	2.8	0.8			mg/kg	A-T-023s
Aro >C16-C21 _A [#]	3.6	8.1	3.8	16.2	6.1	3.2			mg/kg	A-T-023s
Aro >C21-C35 _A [#]	9.6	21.3	19.0	52.0	19.2	18.6			mg/kg	A-T-023s
Total Aromatics _A	13.8	32.4	22.9	74.8	28.2	22.7			mg/kg	A-T-023s
TPH (Ali & Aro) _A	52.1	104	22.9	121	72.1	65.7			mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s

REPORT NOTES

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Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample. Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis. US indicates Unsuitable Sample for analysis. NDP indicates No Determination Possible. NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO

17025. Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a

2mm sieve Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/00260

Issue Number: 1

Date: 23 January, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo

Project Name: Neal Soils

Project Ref: NS13396

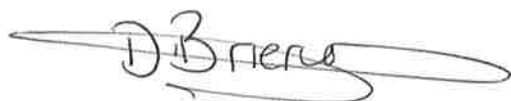
Order No: NS13396

Date Samples Received: 17/01/17

Date Instructions Received: 17/01/17

Date Analysis Completed: 23/01/17

Prepared by:

A handwritten signature in black ink, appearing to read "D Brierley", with a long horizontal flourish extending to the right.

Danielle Brierley
Administrative Assistant

Approved by:

A handwritten signature in black ink, appearing to read "I Haslock", with a stylized, cursive script.

Iain Haslock
Analytical Consultant

Envirolab Job Number: 17/00260

Client Project Name: Neal Soils

Client Project Ref: NS13396

Lab Sample ID	17/00260/1	17/00260/4	17/00260/7						Units	Method ref
Client Sample No										
Client Sample ID	H73 FC	H74 FC	H75 FC							
Depth to Top										
Depth To Bottom										
Date Sampled	16-Jan-17	16-Jan-17	16-Jan-17							
Sample Type	Soil	Soil	Soil							
Sample Matrix Code	6A	6A	6A							
% Stones >10mm _A [#]	<0.1	<0.1	<0.1						% w/w	A-T-044
pH _D ^{M#}	9.53	9.76	9.44						pH	A-T-031s
Arsenic _D ^{M#}	13	13	13						mg/kg	A-T-024s
Cadmium _D ^{M#}	3.6	3.3	3.4						mg/kg	A-T-024s
Copper _D ^{M#}	63	58	59						mg/kg	A-T-024s
Chromium _D ^{M#}	34	29	32						mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1						mg/kg	A-T-040s
Chromium (trivalent)	34	29	32						mg/kg	Calc
Lead _D ^{M#}	189	177	177						mg/kg	A-T-024s
Mercury _D	0.47	0.49	0.37						mg/kg	A-T-024s
Nickel _D ^{M#}	29	27	28						mg/kg	A-T-024s
Selenium _D	2	1	2						mg/kg	A-T-024s
Zinc _D ^{M#}	300	274	283						mg/kg	A-T-024s

REPORT NOTES

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Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

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US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/00928
Issue Number: 1

Date: 15 February, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS13506
Order No: NS13506
Date Samples Received: 08/02/17
Date Instructions Received: 08/02/17
Date Analysis Completed: 15/02/17

Prepared by:

A handwritten signature in purple ink, appearing to read "D Brierley", with a long horizontal flourish extending to the right.

Danielle Brierley
Administrative Assistant

Approved by:

A handwritten signature in purple ink, appearing to read "John Gustafson", with a long horizontal flourish extending to the right.

John Gustafson
Director

Envirolab Job Number: 17/00928

Client Project Name: Neal Soil

Client Project Ref: NS13506

Lab Sample ID	17/00928/3	17/00928/6	17/00928/9	17/00928/12	17/00928/15				Units	Method ref
Client Sample No										
Client Sample ID	H76 FC	H77 FC	H78 FC	H79 FC	H80 FC					
Depth to Top										
Depth To Bottom										
Date Sampled	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	6A	6A	6A	6A	6A					
% Stones >10mm _A [#]	<0.1	4.5	<0.1	<0.1	2.6				% w/w	A-T-044
pH _D ^{M#}	9.41	8.74	9.54	9.44	8.36				pH	A-T-031s
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2				mg/kg	A-T-050s
Arsenic _D ^{M#}	9	8	10	10	7				mg/kg	A-T-024s
Beryllium _D [#]	1	1	1	1	1				mg/kg	A-T-024s
Boron (water soluble) _D ^{M#}	6.0	3.2	6.2	5.9	3.2				mg/kg	A-T-027s
Cadmium _D ^{M#}	2.9	3.1	2.8	2.8	2.5				mg/kg	A-T-024s
Copper _D ^{M#}	56	49	59	60	54				mg/kg	A-T-024s
Chromium _D ^{M#}	37	65	32	33	30				mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1				mg/kg	A-T-040s
Chromium (trivalent)	37	65	32	33	30				mg/kg	Calc
Lead _D ^{M#}	152	115	158	162	96				mg/kg	A-T-024s
Mercury _D	0.64	0.64	0.74	0.68	0.24				mg/kg	A-T-024s
Nickel _D ^{M#}	28	26	26	26	23				mg/kg	A-T-024s
Selenium _D	1	<1	1	2	<1				mg/kg	A-T-024s
Zinc _D ^{M#}	282	244	285	290	264				mg/kg	A-T-024s

Envirolab Job Number: 17/00928

Client Project Name: Neal Soil

Client Project Ref: NS13506

Lab Sample ID	17/00928/3	17/00928/6	17/00928/9	17/00928/12	17/00928/15				Units	Method ref
Client Sample No										
Client Sample ID	H76 FC	H77 FC	H78 FC	H79 FC	H80 FC					
Depth to Top										
Depth To Bottom										
Date Sampled	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	6A	6A	6A	6A	6A					
PAH 16										
Acenaphthene _A ^{M#}	0.51	0.11	0.44	0.39	0.34				mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.05	<0.01	0.06	0.05	0.02				mg/kg	A-T-019s
Anthracene _A ^{M#}	0.72	0.13	0.87	0.67	0.42				mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	2.54	0.48	2.57	2.40	1.38				mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	2.05	0.42	1.86	1.74	1.04				mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	3.36	0.70	3.26	2.85	1.87				mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	1.28	0.25	0.97	0.94	0.53				mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	1.07	0.26	0.93	0.84	0.55				mg/kg	A-T-019s
Chrysene _A ^{M#}	3.17	0.67	2.89	2.65	1.60				mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.36	0.06	0.29	0.29	0.17				mg/kg	A-T-019s
Fluoranthene _A ^{M#}	4.77	0.96	4.41	3.98	2.51				mg/kg	A-T-019s
Fluorene _A ^{M#}	0.55	0.11	0.52	0.48	0.35				mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	1.62	0.33	1.31	1.28	0.74				mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.29	0.07	0.31	0.33	0.13				mg/kg	A-T-019s
Phenanthrene _A ^{M#}	3.10	0.54	2.86	2.70	1.60				mg/kg	A-T-019s
Pyrene _A ^{M#}	4.09	0.85	3.72	3.34	2.12				mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	29.5	5.92	27.3	24.9	15.4				mg/kg	A-T-019s

Envirolab Job Number: 17/00928

Client Project Name: Neal Soil

Client Project Ref: NS13506

Lab Sample ID	17/00928/3	17/00928/6	17/00928/9	17/00928/12	17/00928/15				Units	Method ref
Client Sample No										
Client Sample ID	H76 FC	H77 FC	H78 FC	H79 FC	H80 FC					
Depth to Top										
Depth To Bottom										
Date Sampled	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17	06-Feb-17					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	6A	6A	6A	6A	6A					
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Ali >C8-C10 _A [#]	0.01	<0.01	0.03	0.03	<0.01				mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1				mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
Aro >C7-C8 _A [#]	0.03	<0.01	0.03	0.01	<0.01				mg/kg	A-T-022s
Aro >C8-C9 _A [#]	0.05	<0.01	0.06	0.05	<0.01				mg/kg	A-T-022s
Aro >C9-C10 _A [#]	0.07	<0.01	0.07	0.05	0.01				mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	1.6	2.4	3.3	0.7				mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	6.6	8.8	12.1	3.0				mg/kg	A-T-023s
Aro >C16-C21 _A [#]	2.4	12.7	16.5	21.3	4.8				mg/kg	A-T-023s
Aro >C21-C35 _A [#]	12.8	35.6	46.8	54.6	19.6				mg/kg	A-T-023s
Total Aromatics _A	15.4	56.4	74.6	91.4	28.2				mg/kg	A-T-023s
TPH (Ali & Aro) _A	15.4	56.4	74.6	91.6	28.2				mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - Toluene _A [#]	0.03	<0.01	0.03	0.01	<0.01				mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	0.03	<0.01	0.03	0.01	<0.01				mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01				mg/kg	A-T-022s

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Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

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Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/01664

Issue Number: 1

Date: 14 March, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo; Gavin Powell

Project Name: Neal Soil

Project Ref: NS13516

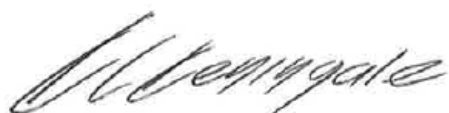
Order No: NS13516

Date Samples Received: 07/03/17

Date Instructions Received: 07/03/17

Date Analysis Completed: 14/03/17

Prepared by:

A handwritten signature in black ink, appearing to read "K Keningale".

Kate Keningale
Administrative Assistant

Approved by:

A handwritten signature in black ink, appearing to read "G King".

Georgia King
Client Service Manager

Envirolab Job Number: 17/01664

Client Project Name: Neal Soil

Client Project Ref: NS13516

Lab Sample ID	17/01664/3	17/01664/6	17/01664/9	17/01664/12	17/01664/15				Units	Method ref
Client Sample No										
Client Sample ID	H81 FC	H82 FC	H83 FC	H84 FC	H85 FC					
Depth to Top										
Depth To Bottom										
Date Sampled	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	6A	6A	6A	6A	6A					
% Stones >10mm [#]	<0.1	<0.1	<0.1	<0.1	<0.1				% w/w	A-T-044
pH ^{M#}	9.15	8.87	8.20	9.07	8.98				pH	A-T-031s
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2				mg/kg	A-T-050s
Arsenic _D ^{M#}	15	18	12	14	13				mg/kg	A-T-024s
Beryllium _D [#]	1	1	<1	1	1				mg/kg	A-T-024s
Boron (water soluble) _D ^{M#}	4.1	3.9	1.0	4.0	4.5				mg/kg	A-T-027s
Cadmium _D ^{M#}	2.5	2.6	3.2	3.8	3.1				mg/kg	A-T-024s
Copper _D ^{M#}	59	69	52	92	105				mg/kg	A-T-024s
Chromium _D ^{M#}	28	32	65	36	34				mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1				mg/kg	A-T-040s
Chromium (trivalent)	28	32	65	36	34				mg/kg	Calc
Lead _D ^{M#}	237	261	126	229	305				mg/kg	A-T-024s
Mercury _D	0.95	0.81	0.19	0.80	0.53				mg/kg	A-T-024s
Nickel _D ^{M#}	27	30	18	31	28				mg/kg	A-T-024s
Selenium _D	1	1	2	2	1				mg/kg	A-T-024s
Zinc _D ^{M#}	277	320	605	329	302				mg/kg	A-T-024s

Envirolab Job Number: 17/01664

Client Project Name: Neal Soil

Client Project Ref: NS13516

Lab Sample ID	17/01664/3	17/01664/6	17/01664/9	17/01664/12	17/01664/15				Units	Method ref
Client Sample No										
Client Sample ID	H81 FC	H82 FC	H83 FC	H84 FC	H85 FC					
Depth to Top										
Depth To Bottom										
Date Sampled	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	6A	6A	6A	6A	6A					
PAH 16										
Acenaphthene _A ^{M#}	0.38	0.15	0.21	0.25	0.31				mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.05	0.03	0.04	0.03	0.05				mg/kg	A-T-019s
Anthracene _A ^{M#}	0.55	0.26	0.32	0.38	0.49				mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.90	1.42	1.73	1.69	2.46				mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.49	1.14	1.52	1.32	2.04				mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	1.90	1.43	1.89	1.73	2.66				mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.96	0.70	0.97	0.78	1.28				mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.56	0.42	0.64	0.59	0.79				mg/kg	A-T-019s
Chrysene _A ^{M#}	2.24	1.65	2.06	2.03	2.99				mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.33	0.24	0.33	0.28	0.43				mg/kg	A-T-019s
Fluoranthene _A ^{M#}	3.14	2.27	2.79	2.66	4.11				mg/kg	A-T-019s
Fluorene _A ^{M#}	0.36	0.17	0.21	0.25	0.33				mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	1.17	0.89	1.20	0.99	1.57				mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.24	0.13	0.20	0.15	0.23				mg/kg	A-T-019s
Phenanthrene _A ^{M#}	2.42	1.25	1.60	1.74	2.48				mg/kg	A-T-019s
Pyrene _A ^{M#}	2.47	1.81	2.27	2.08	3.22				mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	20.2	13.9	18	16.9	25.4				mg/kg	A-T-019s

Envirolab Job Number: 17/01664

Client Project Name: Neal Soil

Client Project Ref: NS13516

Lab Sample ID	17/01664/3	17/01664/6	17/01664/9	17/01664/12	17/01664/15			Units	Method ref
Client Sample No									
Client Sample ID	H81 FC	H82 FC	H83 FC	H84 FC	H85 FC				
Depth to Top									
Depth To Bottom									
Date Sampled	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17	02-Feb-17				
Sample Type	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	6A	6A	6A	6A	6A				
TPH CWG									
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	0.01	<0.01	<0.01			mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.02	<0.02	<0.02	<0.02	<0.02			mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.02	<0.02	<0.02	<0.02	0.12			mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C16-C21 _A [#]	2.0	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Aro >C21-C35 _A [#]	1.3	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
Total Aromatics _A	3.4	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
TPH (Ali & Aro) _A	3.4	<0.1	<0.1	<0.1	<0.1			mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s

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If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/02874

Issue Number: 1

Date: 03 May, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo; Gavin Powell

Project Name: Neal Soil

Project Ref: NS13544

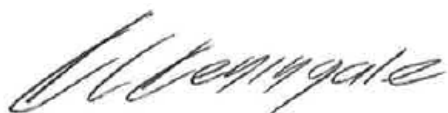
Order No: NS13544

Date Samples Received: 26/04/17

Date Instructions Received: 26/04/17

Date Analysis Completed: 03/05/17

Prepared by:

A handwritten signature in black ink, appearing to read "K Keningale".

Kate Keningale
Administrative Assistant

Approved by:

A handwritten signature in black ink, appearing to read "R Wong".

Richard Wong
Client Service Manager

Envirolab Job Number: 17/02874

Client Project Name: Neal Soil

Client Project Ref: NS13544

Lab Sample ID	17/02874/3	17/02874/6	17/02874/9	17/02874/12	17/02874/15	17/02874/18			Units	Method ref
Client Sample No										
Client Sample ID	H86 FC	H87 FC	H88 FC	H89 FC	H90 FC	H91 FC				
Depth to Top										
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	3A	6	6	6	6	6				
% Stones >10mm _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			% w/w	A-T-044
pH _D ^{M#}	9.52	8.78	8.73	8.75	8.78	8.64			pH	A-T-031s
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			mg/kg	A-T-050s
Arsenic _D ^{M#}	15	15	14	14	14	16			mg/kg	A-T-024s
Beryllium _D [#]	1	1	1	1	1	1			mg/kg	A-T-024s
Boron (water soluble) _D ^{M#}	4.3	2.9	3.9	4.1	3.2	4.5			mg/kg	A-T-027s
Cadmium _D ^{M#}	2.2	1.6	1.6	1.7	1.6	1.8			mg/kg	A-T-024s
Copper _D ^{M#}	105	78	79	82	77	85			mg/kg	A-T-024s
Chromium _D ^{M#}	37	34	34	28	33	33			mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1			mg/kg	A-T-040s
Chromium (trivalent)	37	34	34	28	33	33			mg/kg	Calc
Lead _D ^{M#}	210	170	171	176	167	185			mg/kg	A-T-024s
Mercury _D	1.59	0.95	0.99	1.72	1.05	1.96			mg/kg	A-T-024s
Nickel _D ^{M#}	30	30	29	25	29	29			mg/kg	A-T-024s
Selenium _D	2	2	1	2	2	2			mg/kg	A-T-024s
Zinc _D ^{M#}	406	290	298	283	282	307			mg/kg	A-T-024s
BTEX										
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			mg/kg	A-T-022s

Envirolab Job Number: 17/02874

Client Project Name: Neal Soil

Client Project Ref: NS13544

Lab Sample ID	17/02874/3	17/02874/6	17/02874/9	17/02874/12	17/02874/15	17/02874/18			Units	Method ref
Client Sample No										
Client Sample ID	H86 FC	H87 FC	H88 FC	H89 FC	H90 FC	H91 FC				
Depth to Top										
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17				
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil				
Sample Matrix Code	3A	6	6	6	6	6				
PAH 16										
Acenaphthene _A ^{M#}	0.32	0.40	0.23	0.22	0.16	0.38			mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.06	0.05	0.03	0.03	0.04	0.04			mg/kg	A-T-019s
Anthracene _A ^{M#}	0.67	0.70	0.48	0.48	0.34	0.59			mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	3.17	2.63	2.49	2.28	1.73	2.63			mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	2.73	2.10	2.11	2.07	1.48	2.25			mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	4.03	3.29	3.16	3.22	2.22	3.42			mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	1.50	0.91	1.10	1.04	0.81	1.19			mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	1.25	0.96	0.98	0.97	0.72	0.97			mg/kg	A-T-019s
Chrysene _A ^{M#}	3.57	2.88	2.76	2.62	1.93	2.98			mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.50	0.33	0.38	0.36	0.28	0.40			mg/kg	A-T-019s
Fluoranthene _A ^{M#}	4.92	4.40	3.70	3.67	2.64	4.25			mg/kg	A-T-019s
Fluorene _A ^{M#}	0.33	0.40	0.23	0.25	0.18	0.38			mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	1.77	1.14	1.31	1.24	0.95	1.38			mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.28	0.26	0.18	0.16	0.13	0.26			mg/kg	A-T-019s
Phenanthrene _A ^{M#}	2.56	2.57	1.84	2.06	1.49	2.74			mg/kg	A-T-019s
Pyrene _A ^{M#}	3.99	3.51	3.00	2.84	2.08	3.24			mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	31.6	26.5	24	23.5	17.2	27.1			mg/kg	A-T-019s
TPH Total with ID										
TPH total (>C6-C40) _A	97	281	94	99	142	369			mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	Possible PAHs	Unknown profile	Possible PAHs	Possible PAHs	Possible PAHs	Unknown profile plus possible PAHs				A-T-007s

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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/03203

Issue Number: 1

Date: 18 May, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo

Project Name: Neal Soil

Project Ref: NS13549

Order No: NS13549

Date Samples Received: 09/05/17

Date Instructions Received: 10/05/17

Date Analysis Completed: 18/05/17

Prepared by:

A handwritten signature in black ink, appearing to read "K Keningale".

Kate Keningale
Administrative Assistant

Approved by:

A handwritten signature in black ink, appearing to read "G King".

Georgia King
Administration & Client Service Supervisor

[illegible]

[illegible]

REPORT NOTES

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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.



2183

Final Report

Report No.: 17-14397-1

Initial Date of Issue: 16-Jun-2017

Client Neal Soil Suppliers Ltd

Client Address: Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

Contact(s): Gavin Powell
Hannah Meringolo

Project Neal Soil Suppliers Ltd

Quotation No.: Q17-09434 **Date Received:** 08-Jun-2017

Order No.: NS14019 **Date Instructed:** 08-Jun-2017

No. of Samples: 3

Turnaround (Wkdays): 5 **Results Due:** 14-Jun-2017

Date Approved: 16-Jun-2017

Approved By:



Details: Martin Dyer, Laboratory Manager

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-14397	17-14397	17-14397
Quotation No.: Q17-09434	Chemtest Sample ID.:				465179	465182	465185
Order No.: NS14019	Client Sample Ref.:				FC	FC	FC
	Client Sample ID.:				H94	H95	H96
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Jun-2017	07-Jun-2017	07-Jun-2017
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	25	25	24
pH	U	2010		N/A	8.6	9.5	8.7
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	3.5	1.3	2.4
Arsenic	U	2450	mg/kg	1.0	28	35	31
Beryllium	U	2450	mg/kg	1.0	1.2	1.1	1.2
Cadmium	U	2450	mg/kg	0.10	1.6	1.3	1.3
Chromium	U	2450	mg/kg	1.0	46	37	40
Copper	U	2450	mg/kg	0.50	120	86	110
Mercury	U	2450	mg/kg	0.10	1.0	1.6	1.0
Nickel	U	2450	mg/kg	0.50	45	35	41
Lead	U	2450	mg/kg	0.50	340	260	350
Antimony	N	2450	mg/kg	2.0	5.5	4.1	4.5
Selenium	U	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	45	39	42
Zinc	U	2450	mg/kg	0.50	560	360	440
Chromium (Trivalent)	N	2490	mg/kg	5.0	46	37	40
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	44	20	45
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	130	100	160
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	180	120	200
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	9.2	3.7	19
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	92	83	130
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	100	86	150
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	280	210	360
Naphthalene	U	2700	mg/kg	0.10	0.52	0.81	0.41
Acenaphthylene	U	2700	mg/kg	0.10	0.26	0.26	0.39
Acenaphthene	U	2700	mg/kg	0.10	0.66	0.83	0.66
Fluorene	U	2700	mg/kg	0.10	0.85	1.1	0.54

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-14397	17-14397	17-14397
Quotation No.: Q17-09434	Chemtest Sample ID.:				465179	465182	465185
Order No.: NS14019	Client Sample Ref.:				FC	FC	FC
	Client Sample ID.:				H94	H95	H96
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Jun-2017	07-Jun-2017	07-Jun-2017
Determinand	Accred.	SOP	Units	LOD			
Phenanthrene	U	2700	mg/kg	0.10	3.8	6.0	4.1
Anthracene	U	2700	mg/kg	0.10	0.90	1.6	1.1
Fluoranthene	U	2700	mg/kg	0.10	6.4	8.7	6.6
Pyrene	U	2700	mg/kg	0.10	6.1	7.7	6.3
Benzo[a]anthracene	U	2700	mg/kg	0.10	3.5	4.7	4.1
Chrysene	U	2700	mg/kg	0.10	4.5	6.8	6.4
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	4.4	6.6	5.4
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	2.7	3.2	2.9
Benzo[a]pyrene	U	2700	mg/kg	0.10	3.7	4.5	3.7
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	2.6	3.2	2.5
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	0.81	1.5	1.3
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	2.6	4.2	3.3
Total Of 16 PAH's	U	2700	mg/kg	2.0	44	62	50
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-14397	17-14397	17-14397
Quotation No.: Q17-09434	Chemtest Sample ID.:				465188	465191	465194
Order No.: NS14019	Client Sample Ref.:				FC	FC	FC
	Client Sample ID.:				H97	H98	H99
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Jun-2017	07-Jun-2017	07-Jun-2017
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	26	24	23
pH	U	2010		N/A	9.1	9.3	9.8
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	1.5	1.4	1.0
Arsenic	U	2450	mg/kg	1.0	36	36	36
Beryllium	U	2450	mg/kg	1.0	1.1	1.3	1.2
Cadmium	U	2450	mg/kg	0.10	1.3	1.2	1.2
Chromium	U	2450	mg/kg	1.0	37	36	36
Copper	U	2450	mg/kg	0.50	91	90	84
Mercury	U	2450	mg/kg	0.10	1.4	1.6	1.4
Nickel	U	2450	mg/kg	0.50	37	37	34
Lead	U	2450	mg/kg	0.50	280	270	250
Antimony	N	2450	mg/kg	2.0	4.3	4.7	3.8
Selenium	U	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	40	38	39
Zinc	U	2450	mg/kg	0.50	390	380	340
Chromium (Trivalent)	N	2490	mg/kg	5.0	37	36	36
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	15	20	18
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	130	150	160
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	150	170	180
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	13	17	6.8
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	130	150	210
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	150	170	220
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	300	340	400
Naphthalene	U	2700	mg/kg	0.10	0.72	0.84	1.5
Acenaphthylene	U	2700	mg/kg	0.10	0.32	0.54	0.49
Acenaphthene	U	2700	mg/kg	0.10	0.86	0.94	1.3
Fluorene	U	2700	mg/kg	0.10	1.0	1.3	1.4

Results - Single Stage WAC

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-14397	17-14397	17-14397
Quotation No.: Q17-09434	Chemtest Sample ID.:				465188	465191	465194
Order No.: NS14019	Client Sample Ref.:				FC	FC	FC
	Client Sample ID.:				H97	H98	H99
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Jun-2017	07-Jun-2017	07-Jun-2017
Determinand	Accred.	SOP	Units	LOD			
Phenanthrene	U	2700	mg/kg	0.10	5.7	7.7	7.9
Anthracene	U	2700	mg/kg	0.10	1.4	6.2	2.1
Fluoranthene	U	2700	mg/kg	0.10	9.3	12	12
Pyrene	U	2700	mg/kg	0.10	8.3	12	11
Benzo[a]anthracene	U	2700	mg/kg	0.10	5.2	7.0	6.9
Chrysene	U	2700	mg/kg	0.10	7.6	11	11
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	7.1	9.2	9.1
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	3.4	4.6	5.3
Benzo[a]pyrene	U	2700	mg/kg	0.10	5.0	6.8	6.4
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	3.6	4.5	4.4
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	1.8	2.0	2.5
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	4.0	4.9	4.9
Total Of 16 PAH's	U	2700	mg/kg	2.0	65	92	88
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils (Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44 Aromatics: >C5–C7, >C7–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.

SOP	Title	Parameters included	Method summary
2815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

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

Concept Life Sciences

Certificate of Analysis

3 Crittall Drive
Springwood Industrial
Estate
Braintree
Essex
CM7 2RT
Tel : 01376 560120
Fax : 01376 552923

Report Number: 664106-2

Date of Report: 06-Jul-2017

Customer: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Customer Contact: Ms Hannah Meringolo

Customer Job Reference:

Customer Purchase Order: NS14030

Date Job Received at Concept: 28-Jun-2017

Date Analysis Started: 28-Jun-2017

Date Analysis Completed: 05-Jul-2017

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept SOPs



Report checked
and authorised by :
Aislinn Arthey
Trainee Project Manager

Issued by :
Aislinn Arthey
Trainee Project Manager



Customer Reference:

TPH (CWG) with MTBE & BTEX SE

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Arsenic	T257	A40	2.0	mg/kg	N	001,003-004,006-007,009-010,012
Arsenic	T257	A40	2.0	mg/kg	U	002,005,008,011
Antimony	T257	A40	5	mg/kg	N	001-012
Barium	T257	A40	2	mg/kg	N	001,003-004,006-007,009-010,012
Barium	T257	A40	2	mg/kg	U	002,005,008,011
Beryllium	T245	A40	0.5	mg/kg	N	001,003-004,006-007,009-010,012
Beryllium	T245	A40	0.5	mg/kg	U	002,005,008,011
Boron (water-soluble)	T82	A40	1	mg/kg	N	001-012
Cadmium	T257	A40	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Cadmium	T257	A40	0.1	mg/kg	U	002,005,008,011
Chromium	T257	A40	0.5	mg/kg	N	001,003-004,006-007,009-010,012
Chromium	T257	A40	0.5	mg/kg	U	002,005,008,011
Copper	T257	A40	2	mg/kg	N	001,003-004,006-007,009-010,012
Copper	T257	A40	2	mg/kg	U	002,005,008,011
Lead	T257	A40	2	mg/kg	N	001,003-004,006-007,009-010,012
Lead	T257	A40	2	mg/kg	U	002,005,008,011
Mercury	T245	A40	1.0	mg/kg	N	001,003-004,006-007,009-010,012
Mercury	T245	A40	1.0	mg/kg	U	002,005,008,011
Nickel	T257	A40	0.5	mg/kg	N	001,003-004,006-007,009-010,012
Nickel	T257	A40	0.5	mg/kg	U	002,005,008,011
Selenium	T257	A40	3	mg/kg	N	001,003-004,006-007,009-010,012
Selenium	T257	A40	3	mg/kg	U	002,005,008,011
Vanadium	T257	A40	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Vanadium	T257	A40	0.1	mg/kg	U	002,005,008,011
Zinc	T257	A40	2	mg/kg	N	001,003-004,006-007,009-010,012
Zinc	T257	A40	2	mg/kg	U	002,005,008,011
pH	T7	A40			N	001,003-004,006-007,009-010,012
pH	T7	A40			U	002,005,008,011
Chromium VI	T82	A40	1	mg/kg	N	001-012
Phenols(Mono)	T921	AR	1	mg/kg	N	001,003-004,006-007,009-010,012
Phenols(Mono)	T921	AR	1	mg/kg	U	002,005,008,011
Moisture @105C	T162	AR	0.1	%	N	001-012
Retained on 2mm	T2	A40	0.1	%	N	001-012
Naphthalene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Naphthalene	T16	AR	0.1	mg/kg	U	002,005,008,011
Acenaphthylene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Acenaphthylene	T16	AR	0.1	mg/kg	U	002,005,008,011
Acenaphthene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Acenaphthene	T16	AR	0.1	mg/kg	U	002,005,008,011
Fluorene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Fluorene	T16	AR	0.1	mg/kg	U	002,005,008,011
Phenanthrene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Phenanthrene	T16	AR	0.1	mg/kg	U	002,005,008,011
Anthracene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Anthracene	T16	AR	0.1	mg/kg	U	002,005,008,011
Fluoranthene	T16	AR	0.1	mg/kg	N	001-012
Pyrene	T16	AR	0.1	mg/kg	N	001-012
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	U	002,005,008,011
Chrysene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Chrysene	T16	AR	0.1	mg/kg	U	002,005,008,011
Benzo(b)fluoranthene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Benzo(b)fluoranthene	T16	AR	0.1	mg/kg	U	002,005,008,011
Benzo(k)fluoranthene	T16	AR	0.1	mg/kg	N	001-012
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	U	002,005,008,011
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	U	002,005,008,011
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	U	002,005,008,011
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	U	002,005,008,011
PAH(total)	T16	AR	0.1	mg/kg	N	001,003-004,006-007,009-010,012
PAH(total)	T16	AR	0.1	mg/kg	U	002,005,008,011
Benzene	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
Benzene	T209	AR	0.010	mg/kg	U	002,005,008,011
Toluene	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
Toluene	T209	AR	0.010	mg/kg	U	002,005,008,011
EthylBenzene	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
EthylBenzene	T209	AR	0.010	mg/kg	U	002,005,008,011

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
M/P Xylene	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
M/P Xylene	T209	AR	0.010	mg/kg	U	002,005,008,011
O Xylene	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
O Xylene	T209	AR	0.010	mg/kg	U	002,005,008,011
Methyl tert-Butyl Ether	T209	AR	0.010	mg/kg	N	001,003-004,006-007,009-010,012
Methyl tert-Butyl Ether	T209	AR	10	µg/kg	U	002,005,008,011
TPH (C5-C6 aliphatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C6-C7 aromatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C6-C8 aliphatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C7-C8 aromatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C8-C10 aliphatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C8-C10 aromatic)	T54	AR	0.10	mg/kg	N	001-012
TPH (C10-C12 aliphatic)	T219	AR	2	mg/kg	N	001-012
TPH (C10-C12 aromatic)	T219	AR	2	mg/kg	N	001-012
TPH (C12-C16 aliphatic)	T219	AR	2	mg/kg	N	001-012
TPH (C12-C16 aromatic)	T219	AR	2	mg/kg	N	001-012
TPH (C16-C21 aliphatic)	T219	AR	2	mg/kg	N	001-012
TPH (C16-C21 aromatic)	T219	AR	2	mg/kg	N	001-012
TPH (C21-C35 aliphatic)	T219	AR	2	mg/kg	N	001-012
TPH (C21-C35 aromatic)	T219	AR	2	mg/kg	N	001-012





Amended Report

Report No.: 17-23302 & 17-23244

Initial Date of Issue: 08-Sep-2017

Client Neal Soil Suppliers Ltd

Client Address: Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

Contact(s): Gavin Powell
Hannah Meringolo

Project Neal Soil Suppliers Ltd

Quotation No.: Q17-09434

Date Received: 05-Sep-2017

Order No.: test

Date Instructed: 05-Sep-2017

No. of Samples: 5

Turnaround (Wkdays): 4

Results Due: 08-Sep-2017

Date Approved: 08-Sep-2017

Approved By:



Details: Martin Dyer, Laboratory Manager

Results - Soil

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:					17-23302	17-23302	17-23302	17-23302	17-23302
Quotation No.: Q17-09434	Chemtest Sample ID.:					506757	506758	506759	506760	506761
Order No.: test	Client Sample Ref.:					FC	FC	FC	FC	FC
	Client Sample ID.:					H104	H105	H106	H107	H108
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					31-Aug-2017	31-Aug-2017	31-Aug-2017	31-Aug-2017	31-Aug-2017
Determinand	Accred.	SOP	Units	LOD						
Moisture	N	2030	%	0.020	25	26	29	25	27	
Zinc	U	2450	mg/kg	0.50	200	240	290	240	150	
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	2.1	< 1.0	< 1.0	4.6	3.0	
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	16	< 1.0	< 1.0	32	21	
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	31	< 1.0	< 1.0	48	45	
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	200	< 1.0	< 1.0	200	220	
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	250	< 5.0	< 5.0	290	280	
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	2.7	< 1.0	< 1.0	3.1	< 1.0	
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	19	16	12	28	31	
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	210	52	32	300	220	
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	230	68	44	330	260	
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	480	68	44	620	540	

Results - Soil

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-23244	17-23244	17-23244	17-23244	17-23244
Quotation No.: Q17-09434	Chemtest Sample ID.:				506488	506489	506490	506491	506492
Order No.: NS15663	Client Sample Ref.:				FC	FC	FC	FC	FC
	Client Sample ID.:				H104	H105	H106	H107	H108
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-Aug-2017	31-Aug-2017	31-Aug-2017	31-Aug-2017	31-Aug-2017
Determinand	Accred.	SOP	Units	LOD					
Moisture	N	2030	%	0.020	20	21	27	22	22
pH	U	2010		N/A	8.5	8.8	8.6	8.7	8.8
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	2.1	1.5	2.1	1.4	1.2
Arsenic	U	2450	mg/kg	1.0	30	31	33	42	37
Beryllium	U	2450	mg/kg	1.0	1.0	1.1	1.2	1.2	1.2
Cadmium	U	2450	mg/kg	0.10	1.8	2.4	1.5	17	12
Chromium	U	2450	mg/kg	1.0	50	46	58	48	67
Copper	U	2450	mg/kg	0.50	89	98	120	830	110
Mercury	U	2450	mg/kg	0.10	0.70	0.93	0.83	2.3	1.7
Nickel	U	2450	mg/kg	0.50	37	39	50	44	47
Lead	U	2450	mg/kg	0.50	250	270	370	360	330
Antimony	N	2450	mg/kg	2.0	4.0	6.0	5.7	5.4	5.6
Selenium	U	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	1.4	0.64
Vanadium	U	2450	mg/kg	5.0	47	49	52	52	52
Chromium (Trivalent)	N	2490	mg/kg	5.0	50	46	58	48	67
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	U	2700	mg/kg	0.10	0.63	0.37	1.4	1.4	0.38
Acenaphthylene	U	2700	mg/kg	0.10	0.37	< 0.10	2.4	1.6	1.9
Acenaphthene	U	2700	mg/kg	0.10	0.44	0.89	1.2	0.73	0.66
Fluorene	U	2700	mg/kg	0.10	0.64	1.3	0.91	1.2	0.57
Phenanthrene	U	2700	mg/kg	0.10	3.0	4.5	4.6	5.5	3.9
Anthracene	U	2700	mg/kg	0.10	0.71	1.3	1.2	1.5	2.0
Fluoranthene	U	2700	mg/kg	0.10	5.5	6.7	7.3	9.4	7.0
Pyrene	U	2700	mg/kg	0.10	4.5	5.9	6.8	8.4	5.9
Benzo[a]anthracene	U	2700	mg/kg	0.10	3.6	4.8	4.8	5.7	4.3
Chrysene	U	2700	mg/kg	0.10	5.6	6.5	7.6	7.9	5.8
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	4.4	5.9	6.4	7.7	5.6
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	2.7	2.8	2.9	3.3	2.4
Benzo[a]pyrene	U	2700	mg/kg	0.10	3.0	4.6	4.3	5.2	3.7
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	1.9	2.6	4.6	3.5	2.5
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	1.3	1.5	3.2	1.7	1.4
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	2.4	3.3	7.6	4.4	2.4
Total Of 16 PAH's	U	2700	mg/kg	2.0	41	53	67	69	50
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

SOP	Title	Parameters included	Method summary
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
2030	Moisture and Stone Content of Soils (Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44 Aromatics: >C5–C7, >C7–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44	Dichloromethane extraction / GCxGC FID detection

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

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

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/06709

Issue Number: 1

Date: 09 October, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo

Project Name: Neal Soil

Project Ref: NS 15681

Order No: NS 15681

Date Samples Received: 03/10/17

Date Instructions Received: 03/10/17

Date Analysis Completed: 09/10/17

Prepared by:

A handwritten signature in blue ink that reads "M Marshall".

Melanie Marshall
Laboratory Coordinator

Approved by:

A handwritten signature in black ink, appearing to be "R Wong".

Richard Wong
Client Manager

[illegible]

[illegible]

[illegible]

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis. US indicates

Unsuitable Sample for analysis. NDP indicates No

Determination Possible.

NAD indicates No Asbestos Detected. N/A

indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025. Superscript

"M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve Please

contact us if you need any further information.



2183

Final Report

Report No.: 17-27470-1

Initial Date of Issue: 23-Oct-2017

Client Neal Soil Suppliers Ltd

Client Address: Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

Contact(s): Gavin Powell
Hannah Meringolo

Project Neal Soil Suppliers Ltd

Quotation No.: Q17-09434 **Date Received:** 18-Oct-2017

Order No.: NS15691 **Date Instructed:** 18-Oct-2017

No. of Samples: 8

Turnaround (Wkdays): 4 **Results Due:** 23-Oct-2017

Date Approved: 23-Oct-2017

Approved By:



Details: Martin Dyer, Laboratory Manager

Results - Soil

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-27470	17-27470	17-27470	17-27470	17-27470	17-27470	17-27470	17-27470
Quotation No.: Q17-09434	Chemtest Sample ID.:				526816	526817	526818	526819	526820	526821	526822	526823
Order No.: NS15691	Client Sample Ref.:				FC	FC	FC	FC	FC	FC	FC	FC
	Client Sample ID.:				H110	H114	H116	H111	H112	H113	H115	H117
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				16-Oct-2017	16-Oct-2017	16-Oct-2017	16-Oct-2017	16-Oct-2017	16-Oct-2017	16-Oct-2017	16-Oct-2017
Determinand	Accred.	SOP	Units	LOD								
Moisture	N	2030	%	0.020	19	17	17	20	21	18	16	24
pH	U	2010		N/A	9.1	9.0	9.9	9.0	8.9	9.0	8.9	9.7
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.93	0.97	0.62	0.91	0.47	0.90	1.1	0.83
Arsenic	U	2450	mg/kg	1.0	53	51	20	51	78	43	50	26
Beryllium	U	2450	mg/kg	1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cadmium	U	2450	mg/kg	0.10	0.72	0.69	0.67	0.71	0.83	0.62	0.68	0.76
Chromium	U	2450	mg/kg	1.0	28	26	29	27	26	24	25	29
Antimony	N	2450	mg/kg	2.0	7.4	7.0	4.1	6.8	9.1	6.3	6.9	4.9
Vanadium	U	2450	mg/kg	5.0	34	34	33	34	32	30	31	33
Copper	U	2450	mg/kg	0.50	77	75	52	77	76	65	72	57
Mercury	U	2450	mg/kg	0.10	1.5	1.4	0.63	1.4	1.5	1.3	1.4	0.74
Nickel	U	2450	mg/kg	0.50	32	30	29	32	30	27	30	31
Lead	U	2450	mg/kg	0.50	250	230	180	240	340	220	250	210
Selenium	U	2450	mg/kg	0.20	0.50	0.31	< 0.20	0.39	0.36	0.26	0.43	< 0.20
Zinc	U	2450	mg/kg	0.50	260	250	200	260	320	230	250	230
Chromium (Trivalent)	N	2490	mg/kg	5.0	28	26	29	27	26	24	25	29
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.8	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	27	23	25	22	31	25	22	58
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	27	23	25	22	39	25	22	58
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	4.3	3.9	2.0	4.2	3.8	2.5	4.4	4.7
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	41	34	34	45	30	31	55	55
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	45	38	36	49	34	34	60	60
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	72	61	62	72	73	58	82	120
Naphthalene	U	2700	mg/kg	0.10	0.34	0.34	0.29	0.29	0.36	0.37	0.27	0.36
Acenaphthylene	U	2700	mg/kg	0.10	0.70	0.86	0.90	1.1	1.1	1.1	0.99	0.63
Acenaphthene	U	2700	mg/kg	0.10	0.56	0.72	0.62	0.61	0.75	0.59	0.69	0.59
Fluorene	U	2700	mg/kg	0.10	0.61	0.90	0.51	0.65	0.93	0.89	0.83	0.64

Results - Soil

Project: Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:											
Quotation No.: Q17-09434	Chemtest Sample ID.:											
Order No.: NS15691	Client Sample Ref.:											
	Client Sample ID.:											
	Sample Type:											
	Date Sampled:											
Determinand	Accred.	SOP	Units	LOD	17-27470	17-27470	17-27470	17-27470	17-27470	17-27470	17-27470	17-27470
Phenanthrene	U	2700	mg/kg	0.10	5.1	5.8	4.7	5.7	6.9	5.4	5.8	5.2
Anthracene	U	2700	mg/kg	0.10	1.6	1.9	1.4	2.1	2.8	2.6	1.9	1.8
Fluoranthene	U	2700	mg/kg	0.10	12	12	9.0	12	14	11	13	9.8
Pyrene	U	2700	mg/kg	0.10	9.9	10	8.2	10	12	9.1	10	8.2
Benzo[a]anthracene	U	2700	mg/kg	0.10	7.2	7.9	5.7	8.4	8.4	7.1	7.9	6.6
Chrysene	U	2700	mg/kg	0.10	8.6	9.1	6.2	9.6	9.9	8.4	9.3	7.0
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	9.0	9.5	7.4	9.7	10	8.9	9.8	8.1
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	3.1	3.2	2.7	3.8	3.6	3.1	3.4	2.8
Benzo[a]pyrene	U	2700	mg/kg	0.10	5.3	5.4	4.3	5.6	6.3	5.0	5.9	4.9
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	3.9	4.4	3.4	4.1	4.3	3.8	4.2	3.7
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	1.4	1.5	0.93	1.3	1.5	1.4	1.5	1.1
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	3.4	3.2	2.7	3.4	3.9	3.3	3.4	3.2
Total Of 16 PAH's	U	2700	mg/kg	2.0	73	77	59	78	87	72	79	65
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS

SOP	Title	Parameters included	Method summary
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

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



2183

Final Report

Report No.: 17-32869-1

Initial Date of Issue: 15-Dec-2017

Client Neal Soil Suppliers Ltd

Client Address: Atlantic Eco Park
Newton Road
Rumney
Cardiff
CF3 2EJ

Contact(s): Gavin Powell
Hannah Meringolo

Project NS17578 Neal Soil Suppliers Ltd

Quotation No.: Q17-09434 **Date Received:** 08-Dec-2017

Order No.: NS17578 **Date Instructed:** 08-Dec-2017

No. of Samples: 10

Turnaround (Wkdays): 5 **Results Due:** 14-Dec-2017

Date Approved: 15-Dec-2017

Approved By:



Details: Robert Monk, Technical Manager

Results - Soil

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-32869	17-32869	17-32869	17-32869	17-32869	17-32869	17-32869
Quotation No.: Q17-09434	Chemtest Sample ID.:				552069	552070	552071	552072	552073	552074	552075
	Client Sample ID.:				H121 FC	H123 FC	H125 FC	H119 FC	H124 FC	H118 FC	H120 FC
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017
Determinand	Accred.	SOP	Units	LOD							
Moisture	N	2030	%	0.020	28	26	25	24	32	27	26
pH	U	2010		N/A	9.8	9.6	9.6	9.7	9.2	9.5	9.4
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.85	1.2	1.1	1.1	1.2	1.4	1.1
Arsenic	U	2450	mg/kg	1.0	31	24	28	27	34	29	29
Beryllium	U	2450	mg/kg	1.0	1.4	1.1	1.3	1.2	1.6	1.4	1.3
Cadmium	U	2450	mg/kg	0.10	0.88	0.77	0.83	0.80	0.98	0.85	0.88
Chromium	U	2450	mg/kg	1.0	46	34	39	37	46	39	40
Antimony	N	2450	mg/kg	2.0	4.1	3.7	3.7	3.5	4.6	3.8	3.8
Copper	U	2450	mg/kg	0.50	77	64	72	67	83	71	75
Mercury	U	2450	mg/kg	0.10	0.83	0.62	0.70	0.65	0.90	0.74	0.79
Nickel	U	2450	mg/kg	0.50	39	33	37	35	44	38	38
Lead	U	2450	mg/kg	0.50	270	170	190	180	220	190	190
Selenium	U	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	44	35	41	39	48	42	42
Zinc	U	2450	mg/kg	0.50	320	270	300	280	340	290	300
Chromium (Trivalent)	N	2490	mg/kg	1.0	46	34	39	37	46	39	40
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	6.2	< 1.0	7.2	< 1.0	2.9	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	94	65	100	74	81	75	38
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	100	65	110	74	84	75	38
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	5.9	1.2	6.6	< 1.0	2.7	2.4	< 1.0
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	50	34	46	23	45	74	30
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	56	36	52	23	47	76	30
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	160	100	160	97	130	150	68
Naphthalene	U	2700	mg/kg	0.10	0.82	0.66	0.69	0.70	1.6	0.92	0.69
Acenaphthylene	U	2700	mg/kg	0.10	0.33	0.44	0.39	0.39	0.36	0.40	0.35
Acenaphthene	U	2700	mg/kg	0.10	0.66	0.59	0.63	0.74	0.60	0.62	0.69
Fluorene	U	2700	mg/kg	0.10	0.56	0.52	0.69	0.57	0.51	0.75	0.61
Phenanthrene	U	2700	mg/kg	0.10	4.2	3.9	4.2	4.2	3.5	4.0	4.0

Project: NS17578 Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd		Chemtest Job No.:	17-32869	17-32869	17-32869	17-32869	17-32869	17-32869	17-32869	17-32869
Quotation No.: Q17-09434		Chemtest Sample ID.:	552069	552070	552071	552072	552073	552074	552075	
		Client Sample ID.:	H121 FC	H123 FC	H125 FC	H119 FC	H124 FC	H118 FC	H120 FC	
		Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Date Sampled:	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	07-Dec-2017	
Determinand	Accred.	SOP	Units	LOD						
Anthracene	U	2700	mg/kg	0.10	1.0	0.99	1.2	1.2	1.0	1.4
Fluoranthene	U	2700	mg/kg	0.10	7.5	6.6	7.6	7.2	6.4	6.2
Pyrene	U	2700	mg/kg	0.10	6.1	5.7	6.5	6.3	5.8	5.3
Benzo[a]anthracene	U	2700	mg/kg	0.10	4.6	4.3	4.1	5.6	4.1	3.9
Chrysene	U	2700	mg/kg	0.10	5.3	4.8	5.1	4.0	4.9	5.1
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	4.3	6.0	5.4	5.1	3.9	4.8
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	1.9	1.9	2.1	1.8	1.7	1.8
Benzo[a]pyrene	U	2700	mg/kg	0.10	3.6	3.7	4.0	3.8	3.3	3.3
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	3.8	3.8	3.6	3.1	3.7	3.6
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	1.1	1.2	1.2	0.88	1.5	0.64
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	2.6	2.5	5.9	3.1	2.4	2.4
Total Of 16 PAH's	U	2700	mg/kg	2.0	48	48	53	49	45	45
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	0.068	0.067	< 0.050	< 0.050	0.096
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-32869	17-32869	17-32869
Quotation No.: Q17-09434	Chemtest Sample ID.:				552076	552077	552078
	Client Sample ID.:				H126 FC	H122 FC	H127 FC
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Dec-2017	07-Dec-2017	07-Dec-2017
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	24	28	26
pH	U	2010		N/A	9.8	9.6	10.1
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.86	1.1	0.95
Arsenic	U	2450	mg/kg	1.0	25	30	27
Beryllium	U	2450	mg/kg	1.0	1.1	1.4	1.6
Cadmium	U	2450	mg/kg	0.10	0.78	0.87	0.83
Chromium	U	2450	mg/kg	1.0	35	41	43
Antimony	N	2450	mg/kg	2.0	3.4	3.8	2.7
Copper	U	2450	mg/kg	0.50	64	77	63
Mercury	U	2450	mg/kg	0.10	0.66	0.76	0.41
Nickel	U	2450	mg/kg	0.50	34	38	44
Lead	U	2450	mg/kg	0.50	170	200	160
Selenium	U	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	35	42	46
Zinc	U	2450	mg/kg	0.50	270	310	290
Chromium (Trivalent)	N	2490	mg/kg	1.0	35	41	43
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	35	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	35	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	2.6
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	8.8	12
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	50	13	27
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	50	21	42
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	85	21	42
Naphthalene	U	2700	mg/kg	0.10	0.70	0.67	1.2
Acenaphthylene	U	2700	mg/kg	0.10	0.31	0.38	0.27
Acenaphthene	U	2700	mg/kg	0.10	0.69	0.71	0.49
Fluorene	U	2700	mg/kg	0.10	0.69	0.68	0.53
Phenanthrene	U	2700	mg/kg	0.10	4.8	4.2	2.8

Project: NS17578 Neal Soil Suppliers Ltd

Client: Neal Soil Suppliers Ltd	Chemtest Job No.:				17-32869	17-32869	17-32869
Quotation No.: Q17-09434	Chemtest Sample ID.:				552076	552077	552078
	Client Sample ID.:				H126 FC	H122 FC	H127 FC
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				07-Dec-2017	07-Dec-2017	07-Dec-2017
Determinand	Accred.	SOP	Units	LOD			
Anthracene	U	2700	mg/kg	0.10	1.0	0.86	0.89
Fluoranthene	U	2700	mg/kg	0.10	7.6	7.2	4.5
Pyrene	U	2700	mg/kg	0.10	6.9	6.3	3.8
Benzo[a]anthracene	U	2700	mg/kg	0.10	4.3	4.7	2.7
Chrysene	U	2700	mg/kg	0.10	5.0	5.4	3.1
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	5.9	4.6	3.6
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	1.9	1.8	1.2
Benzo[a]pyrene	U	2700	mg/kg	0.10	3.8	3.6	2.2
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	3.9	3.9	2.6
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	1.9	1.3	0.81
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	4.4	2.6	2.0
Total Of 16 PAH's	U	2700	mg/kg	2.0	54	49	33
Resorcinol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Phenol	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Cresols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Xylenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
1-Naphthol	N	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Trimethylphenols	U	2920	mg/kg	0.050	< 0.050	< 0.050	< 0.050
Total Phenols	U	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.

SOP	Title	Parameters included	Method summary
2815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

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

Testing Data of the Light Sludge

FINAL ANALYTICAL TEST REPORT

SUPPLEMENT TO TEST REPORT 17/00262/1

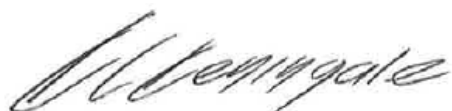
Envirolab Job Number: 17/00262
Issue Number: 2

Date: 03 February, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS13394
Order No: NS13394
Date Samples Received: 17/01/17
Date Instructions Received: 17/01/17
Date Analysis Completed: 03/02/17

Prepared by:



Kate Keningale
Administrative Assistant

Approved by:



Lianne Bromiley
Senior Client Manager

Envirolab Job Number: 17/00262

Client Project Name: Neal Soil

Client Project Ref: NS13394

Lab Sample ID	17/00262/1	17/00262/2							Units	Method ref
Client Sample No										
Client Sample ID	DAF SLUDGE	Oil								
Depth to Top										
Depth To Bottom										
Date Sampled	16-Jan-17	16-Jan-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
pH (w) _A [#]	7.76	-							pH	A-T-031w
Arsenic (dissolved) _A [#]	2	-							µg/l	A-T-025w
Cadmium (dissolved) _A [#]	<0.2	-							µg/l	A-T-025w
Copper (dissolved) _A [#]	<1	-							µg/l	A-T-025w
Chromium (dissolved) _A [#]	<1	-							µg/l	A-T-025w
Chromium (hexavalent) (w) _A [#]	<0.01	-							mg/l	A-T-040w
Chromium (trivalent) (w)	<0.01	-							mg/l	Calc
Lead (dissolved) _A [#]	<1	-							µg/l	A-T-025w
Mercury (dissolved) _A [#]	0.2	-							µg/l	A-T-025w
Nickel (dissolved) _A [#]	12	-							µg/l	A-T-025w
Selenium (dissolved) _A [#]	<1	-							µg/l	A-T-025w
Zinc (dissolved) _A [#]	43	-							µg/l	A-T-025w

Envirolab Job Number: 17/00262

Client Project Name: Neal Soil

Client Project Ref: NS13394

Lab Sample ID	17/00262/1	17/00262/2							Units	Method ref
Client Sample No										
Client Sample ID	DAF SLUDGE	Oil								
Depth to Top										
Depth To Bottom										
Date Sampled	16-Jan-17	16-Jan-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
PAH 16MS (w)										
Acenaphthene (w) _A [#]	4.86	-							µg/l	A-T-019w
Acenaphthylene (w) _A [#]	2.01	-							µg/l	A-T-019w
Anthracene (w) _A [#]	1.28	-							µg/l	A-T-019w
Benzo(a)anthracene (w) _A [#]	1.56	-							µg/l	A-T-019w
Benzo(a)pyrene (w) _A [#]	1.70	-							µg/l	A-T-019w
Benzo(b)fluoranthene (w) _A [#]	9.99	-							µg/l	A-T-019w
Benzo(ghi)perylene (w) _A [#]	1.09	-							µg/l	A-T-019w
Benzo(k)fluoranthene (w) _A [#]	0.97	-							µg/l	A-T-019w
Chrysene (w) _A [#]	1.69	-							µg/l	A-T-019w
Dibenzo(ah)anthracene (w) _A [#]	0.13	-							µg/l	A-T-019w
Fluoranthene (w) _A [#]	3.55	-							µg/l	A-T-019w
Fluorene (w) _A [#]	11.2	-							µg/l	A-T-019w
Indeno(123-cd)pyrene (w) _A [#]	1.30	-							µg/l	A-T-019w
Naphthalene (w) _A [#]	2.79	-							µg/l	A-T-019w
Phenanthrene (w) _A [#]	15.4	-							µg/l	A-T-019w
Pyrene (w) _A [#]	8.34	-							µg/l	A-T-019w
PAH (total 16) (w) _A [#]	67.9	-							µg/l	A-T-019w

Envirolab Job Number: 17/00262

Client Project Name: Neal Soil

Client Project Ref: NS13394

Lab Sample ID	17/00262/1	17/00262/2							Units	Method ref
Client Sample No										
Client Sample ID	DAF SLUDGE	Oil								
Depth to Top										
Depth To Bottom										
Date Sampled	16-Jan-17	16-Jan-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
Product (Oil) TPHCWG										
Ali >C5-C6 _A [#]	-	0.54							mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	19.1							mg/kg	A-T-022s
Ali >C8-C10 _A [#]	-	232							mg/kg	A-T-022s
Ali >C10-C12 _A [#]	-	18500							mg/kg	A-T-023s
Ali >C12-C16 _A [#]	-	100000							mg/kg	A-T-023s
Ali >C16-C21 _A [#]	-	128000							mg/kg	A-T-023s
Ali >C21-C35 _A [#]	-	355000							mg/kg	A-T-023s
Total Aliphatics _A	-	602000							mg/kg	A-T-023s
Aro >C5-C7 _A [#]	-	<0.50							mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	3.75							mg/kg	A-T-022s
Aro >C8-C9 _A [#]	-	16.5							mg/kg	A-T-022s
Aro >C9-C10 _A [#]	-	125							mg/kg	A-T-022s
Aro >C10-C12 _A [#]	-	3950							mg/kg	A-T-023s
Aro >C12-C16 _A [#]	-	29000							mg/kg	A-T-023s
Aro >C16-C21 _A [#]	-	29200							mg/kg	A-T-023s
Aro >C21-C35 _A [#]	-	8080							mg/kg	A-T-023s
Total Aromatics _A	-	70300							mg/kg	A-T-023s
TPH (Ali & Aro) _A	-	672000							mg/kg	A-T-023s
BTEX - Benzene _A [#]	-	<0.50							mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	3.75							mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	1.66							mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	10.1							mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	5.60							mg/kg	A-T-022s
MTBE _A [#]	-	<0.50							mg/kg	A-T-022s

Envirolab Job Number: 17/00262

Client Project Name: Neal Soil

Client Project Ref: NS13394

Lab Sample ID	17/00262/1	17/00262/2							Units	Method ref
Client Sample No										
Client Sample ID	DAF SLUDGE	Oil								
Depth to Top										
Depth To Bottom										
Date Sampled	16-Jan-17	16-Jan-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
TPH CWG										
Ali >C5-C6 (w) _A [#]	<1	-							µg/l	A-T-022w
Ali >C6-C8 (w) _A [#]	4	-							µg/l	A-T-022w
Ali >C8-C10 (w) _A [#]	78	-							µg/l	A-T-022w
Ali >C10-C12 (w) _A [#]	1881	-							µg/l	A-T-023w
Ali >C12-C16 (w) _A [#]	11889	-							µg/l	A-T-023w
Ali >C16-C21 (w) _A [#]	15159	-							µg/l	A-T-023w
Ali >C21-C35 (w) _A [#]	41290	-							µg/l	A-T-023w
Total Aliphatics (w) _A	70301	-							µg/l	A-T-022+23w
Aro >C5-C7 (w) _A [#]	<1	-							µg/l	A-T-022w
Aro >C7-C8 (w) _A [#]	7	-							µg/l	A-T-022w
Aro >C8-C9 (w) _A [#]	26	-							µg/l	A-T-022w
Aro >C9-C10 (w) _A [#]	129	-							µg/l	A-T-022w
Aro >C10-C12 (w) _A [#]	667	-							µg/l	A-T-023w
Aro >C12-C16 (w) _A [#]	3871	-							µg/l	A-T-023w
Aro >C16-C21 (w) _A [#]	3809	-							µg/l	A-T-023w
Aro >C21-C35 (w) _A [#]	2939	-							µg/l	A-T-023w
Total Aromatics (w) _A	11450	-							µg/l	A-T-022+23w
TPH (Ali & Aro) (w) _A	81751	-							µg/l	A-T-022+23w
BTEX - Benzene (w) _A [#]	<1	-							µg/l	A-T-022w
BTEX - Toluene (w) _A [#]	7	-							µg/l	A-T-022w
BTEX - Ethyl Benzene (w) _A [#]	3	-							µg/l	A-T-022w
BTEX - m & p Xylene (w) _A [#]	15	-							µg/l	A-T-022w
BTEX - o Xylene (w) _A [#]	10	-							µg/l	A-T-022w
MTBE (w) _A [#]	<1	-							µg/l	A-T-022w

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40 °C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/07236

Issue Number: 1

Date: 31 October, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS15699
Order No: NS15699
Date Samples Received: 24/10/17
Date Instructions Received: 24/10/17
Date Analysis Completed: 31/10/17

Prepared by:


Melanie Marshall
Laboratory Coordinator

Approved by:


Richard Wong
Client Manager

Envirolab Job Number: 17/07236

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07236/1								Units	Method ref
Client Sample No	Daf sludge									
Client Sample ID	Sludge from plastic									
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17									
Sample Type	Solid									
Sample Matrix Code	7									
% Stones >10mm _A	<0.1								% w/w	A-T-044
pH _D	8.58								pH	A-T-031s
Arsenic _D ^{M#}	10								mg/kg	A-T-024s
Cadmium _D ^{M#}	1.3								mg/kg	A-T-024s
Copper _D ^{M#}	83								mg/kg	A-T-024s
Chromium _D ^{M#}	35								mg/kg	A-T-024s
Chromium (hexavalent) _D	<1								mg/kg	A-T-040s
Chromium (trivalent)	35								mg/kg	Calc
Lead _D ^{M#}	214								mg/kg	A-T-024s
Mercury _D	0.72								mg/kg	A-T-024s
Nickel _D ^{M#}	28								mg/kg	A-T-024s
Selenium _D ^{M#}	1								mg/kg	A-T-024s
Zinc _D ^{M#}	421								mg/kg	A-T-024s

Envirolab Job Number: 17/07236

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07236/1								Units	Method ref
Client Sample No	Daf sludge									
Client Sample ID	Sludge from plastic									
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17									
Sample Type	Solid									
Sample Matrix Code	7									
PAH 16										
Acenaphthene _A ^{M#}	<5.36								mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.10								mg/kg	A-T-019s
Anthracene _A ^{M#}	2.42								mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	4.35								mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	4.05								mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	5.55								mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	7.31								mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	1.93								mg/kg	A-T-019s
Chrysene _A ^{M#}	4.50								mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	1.13								mg/kg	A-T-019s
Fluoranthene _A ^{M#}	8.13								mg/kg	A-T-019s
Fluorene _A ^{M#}	15.2								mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	4.39								mg/kg	A-T-019s
Naphthalene _A ^{M#}	26.4								mg/kg	A-T-019s
Phenanthrene _A ^{M#}	24.1								mg/kg	A-T-019s
Pyrene _A ^{M#}	15.4								mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	125								mg/kg	A-T-019s

Envirolab Job Number: 17/07236

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07236/1								Units	Method ref
Client Sample No	Daf sludge									
Client Sample ID	Sludge from plastic									
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17									
Sample Type	Solid									
Sample Matrix Code	7									
TPH CWG										
Ali >C5-C6 _A [#]	6.26								mg/kg	A-T-022s
Ali >C6-C8 _A [#]	231								mg/kg	A-T-022s
Ali >C8-C10 _A [#]	1100								mg/kg	A-T-022s
Ali >C10-C12 _A [#]	5470								mg/kg	A-T-023s
Ali >C12-C16 _A [#]	13100								mg/kg	A-T-023s
Ali >C16-C21 _A [#]	12600								mg/kg	A-T-023s
Ali >C21-C35 _A [#]	21400								mg/kg	A-T-023s
Total Aliphatics _A	53900								mg/kg	A-T-023s
Aro >C5-C7 _A [#]	1.64								mg/kg	A-T-022s
Aro >C7-C8 _A [#]	54.6								mg/kg	A-T-022s
Aro >C8-C9 _A [#]	309								mg/kg	A-T-022s
Aro >C9-C10 _A [#]	710								mg/kg	A-T-022s
Aro >C10-C12 _A [#]	1200								mg/kg	A-T-023s
Aro >C12-C16 _A [#]	3940								mg/kg	A-T-023s
Aro >C16-C21 _A [#]	2900								mg/kg	A-T-023s
Aro >C21-C35 _A [#]	2390								mg/kg	A-T-023s
Total Aromatics _A	11500								mg/kg	A-T-023s
TPH (Ali & Aro) _A	65400								mg/kg	A-T-023s
BTEX - Benzene _A [#]	1.64								mg/kg	A-T-022s
BTEX - Toluene _A [#]	54.6								mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	43.1								mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	168								mg/kg	A-T-022s
BTEX - o Xylene _A [#]	78.2								mg/kg	A-T-022s
MTBE _A [#]	<0.20								mg/kg	A-T-022s

REPORT NOTES

General:

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All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 17/07237
Issue Number: 1

Date: 31 October, 2017

Client: Neal Soil Suppliers Ltd
Ty-To-Maen Farm
Newton Road
Rumney
Cardiff
CF3 2EJ

Project Manager: Gavin Powell; Hannah Meringolo
Project Name: Neal Soil
Project Ref: NS15699
Order No: NS15699
Date Samples Received: 24/10/17
Date Instructions Received: 24/10/17
Date Analysis Completed: 31/10/17

Prepared by:


Melanie Marshall
Laboratory Coordinator

Approved by:


Richard Wong
Client Manager

Envirolab Job Number: 17/07237

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07237/1	17/07237/3							Units	Method ref
Client Sample No	Daf Sludge	Daf Sludge								
Client Sample ID	Water in glass	Oil from plastic								
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17	23-Oct-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
pH (w) _A [#]	7.59	-							pH	A-T-031w
Arsenic (dissolved) _A [#]	21	-							µg/l	A-T-025w
Cadmium (dissolved) _A [#]	<0.2	-							µg/l	A-T-025w
Copper (dissolved) _A [#]	9	-							µg/l	A-T-025w
Chromium (dissolved) _A [#]	20	-							µg/l	A-T-025w
Chromium (hexavalent) (w) _A [#]	<0.01	-							mg/l	A-T-040w
Chromium (trivalent) (w)	0.02	-							mg/l	Calc
Lead (dissolved) _A [#]	3	-							µg/l	A-T-025w
Mercury (dissolved) _A [#]	<0.1	-							µg/l	A-T-025w
Nickel (dissolved) _A [#]	16	-							µg/l	A-T-025w
Selenium (dissolved) _A [#]	11	-							µg/l	A-T-025w
Zinc (dissolved) _A [#]	8	-							µg/l	A-T-025w

Envirolab Job Number: 17/07237

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07237/1	17/07237/3							Units	Method ref
Client Sample No	Daf Sludge	Daf Sludge								
Client Sample ID	Water in glass	Oil from plastic								
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17	23-Oct-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
PAH 16MS (w)										
Acenaphthene (w) _A [#]	0.88	-							µg/l	A-T-019w
Acenaphthylene (w) _A [#]	0.05	-							µg/l	A-T-019w
Anthracene (w) _A [#]	0.26	-							µg/l	A-T-019w
Benzo(a)anthracene (w) _A [#]	0.16	-							µg/l	A-T-019w
Benzo(a)pyrene (w) _A [#]	0.06	-							µg/l	A-T-019w
Benzo(b)fluoranthene (w) _A [#]	0.09	-							µg/l	A-T-019w
Benzo(ghi)perylene (w) _A [#]	0.03	-							µg/l	A-T-019w
Benzo(k)fluoranthene (w) _A [#]	0.03	-							µg/l	A-T-019w
Chrysene (w) _A [#]	0.20	-							µg/l	A-T-019w
Dibenzo(ah)anthracene (w) _A [#]	0.01	-							µg/l	A-T-019w
Fluoranthene (w) _A [#]	0.97	-							µg/l	A-T-019w
Fluorene (w) _A [#]	0.68	-							µg/l	A-T-019w
Indeno(123-cd)pyrene (w) _A [#]	0.04	-							µg/l	A-T-019w
Naphthalene (w) _A [#]	0.87	-							µg/l	A-T-019w
Phenanthrene (w) _A [#]	1.50	-							µg/l	A-T-019w
Pyrene (w) _A [#]	0.68	-							µg/l	A-T-019w
PAH (total 16) (w) _A [#]	6.51	-							µg/l	A-T-019w

Envirolab Job Number: 17/07237

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07237/1	17/07237/3							Units	Method ref
Client Sample No	Daf Sludge	Daf Sludge								
Client Sample ID	Water in glass	Oil from plastic								
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17	23-Oct-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
Product (Oil) PAH-16MS										
Acenaphthene _A	-	<34.8							mg/kg	A-T-019s
Acenaphthylene _A	-	<2.50							mg/kg	A-T-019s
Anthracene _A	-	5.08							mg/kg	A-T-019s
Benzo(a)anthracene _A	-	<10.00							mg/kg	A-T-019s
Benzo(a)pyrene _A	-	<10.00							mg/kg	A-T-019s
Benzo(b)fluoranthene _A	-	<12.50							mg/kg	A-T-019s
Benzo(ghi)perylene _A	-	42.8							mg/kg	A-T-019s
Benzo(k)fluoranthene _A	-	<17.50							mg/kg	A-T-019s
Chrysene _A	-	<15.00							mg/kg	A-T-019s
Dibenzo(ah)anthracene _A	-	<10.00							mg/kg	A-T-019s
Fluoranthene _A	-	<20.00							mg/kg	A-T-019s
Fluorene _A	-	68.6							mg/kg	A-T-019s
Indeno(123-cd)pyrene _A	-	<7.50							mg/kg	A-T-019s
Naphthalene _A	-	151							mg/kg	A-T-019s
Phenanthrene _A	-	91.8							mg/kg	A-T-019s
Pyrene _A	-	48.7							mg/kg	A-T-019s
PAH (total 16) _A	-	443							mg/kg	A-T-019s

Envirolab Job Number: 17/07237

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07237/1	17/07237/3							Units	Method ref
Client Sample No	Daf Sludge	Daf Sludge								
Client Sample ID	Water in glass	Oil from plastic								
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17	23-Oct-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
Product (Oil) TPHCWG										
Ali >C5-C6 _A	-	31.9							mg/kg	A-T-022s
Ali >C6-C8 _A	-	1070							mg/kg	A-T-022s
Ali >C8-C10 _A	-	3830							mg/kg	A-T-022s
Ali >C10-C12 _A	-	48100							mg/kg	A-T-023s
Ali >C12-C16 _A	-	123000							mg/kg	A-T-023s
Ali >C16-C21 _A	-	119000							mg/kg	A-T-023s
Ali >C21-C35 _A	-	438000							mg/kg	A-T-023s
Total Aliphatics _A	-	733278.0							mg/kg	A-T-023s
Aro >C5-C7 _A	-	9.83							mg/kg	A-T-022s
Aro >C7-C8 _A	-	431							mg/kg	A-T-022s
Aro >C8-C9 _A	-	1440							mg/kg	A-T-022s
Aro >C9-C10 _A	-	3020							mg/kg	A-T-022s
Aro >C10-C12 _A	-	12100							mg/kg	A-T-023s
Aro >C12-C16 _A	-	38700							mg/kg	A-T-023s
Aro >C16-C21 _A	-	28400							mg/kg	A-T-023s
Aro >C21-C35 _A	-	49500							mg/kg	A-T-023s
Total Aromatics _A	-	133528.0							mg/kg	A-T-023s
TPH (Ali & Aro) _A	-	866805.9							mg/kg	A-T-023s
BTEX - Benzene _A	-	9.83							mg/kg	A-T-022s
BTEX - Toluene _A	-	431							mg/kg	A-T-022s
BTEX - Ethyl Benzene _A	-	226							mg/kg	A-T-022s
BTEX - m & p Xylene _A	-	869							mg/kg	A-T-022s
BTEX - o Xylene _A	-	400							mg/kg	A-T-022s
MTBE _A	-	<2.00							mg/kg	A-T-022s

Envirolab Job Number: 17/07237

Client Project Name: Neal Soil

Client Project Ref: NS15699

Lab Sample ID	17/07237/1	17/07237/3							Units	Method ref
Client Sample No	Daf Sludge	Daf Sludge								
Client Sample ID	Water in glass	Oil from plastic								
Depth to Top										
Depth To Bottom										
Date Sampled	23-Oct-17	23-Oct-17								
Sample Type	Water - EW	Liquid - Product / Oil								
Sample Matrix Code	N/A	N/A								
TPH CWG										
Ali >C5-C6 (w) _A [#]	<1	-							µg/l	A-T-022w
Ali >C6-C8 (w) _A [#]	<1	-							µg/l	A-T-022w
Ali >C8-C10 (w) _A [#]	<1	-							µg/l	A-T-022w
Ali >C10-C12 (w) _A [#]	<5	-							µg/l	A-T-023w
Ali >C12-C16 (w) _A [#]	<5	-							µg/l	A-T-023w
Ali >C16-C21 (w) _A [#]	<5	-							µg/l	A-T-023w
Ali >C21-C35 (w) _A [#]	<5	-							µg/l	A-T-023w
Total Aliphatics (w) _A	<5	-							µg/l	A-T-022+23w
Aro >C5-C7 (w) _A [#]	<1	-							µg/l	A-T-022w
Aro >C7-C8 (w) _A [#]	<1	-							µg/l	A-T-022w
Aro >C8-C9 (w) _A [#]	<1	-							µg/l	A-T-022w
Aro >C9-C10 (w) _A [#]	<1	-							µg/l	A-T-022w
Aro >C10-C12 (w) _A [#]	<5	-							µg/l	A-T-023w
Aro >C12-C16 (w) _A [#]	6	-							µg/l	A-T-023w
Aro >C16-C21 (w) _A [#]	<5	-							µg/l	A-T-023w
Aro >C21-C35 (w) _A [#]	<5	-							µg/l	A-T-023w
Total Aromatics (w) _A	6	-							µg/l	A-T-022+23w
TPH (Ali & Aro) (w) _A	6	-							µg/l	A-T-022+23w
BTEX - Benzene (w) _A [#]	<1	-							µg/l	A-T-022w
BTEX - Toluene (w) _A [#]	<1	-							µg/l	A-T-022w
BTEX - Ethyl Benzene (w) _A [#]	<1	-							µg/l	A-T-022w
BTEX - m & p Xylene (w) _A [#]	<1	-							µg/l	A-T-022w
BTEX - o Xylene (w) _A [#]	<1	-							µg/l	A-T-022w
MTBE (w) _A [#]	<1	-							µg/l	A-T-022w

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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Waste Disposal Tickets for the Light Sludge

The Hazardous Waste Regulations 2005:

Consignment Note

Consignor's / Carrier's / Consignee's copy (Delete as appropriate)



**EGAN
WASTE**

Part A - Notification Details

1 - Consignment note code: CAD030/00005

4 - The waste will be taken to (name, address and postcode):

2 - The waste described below is to be removed from (Name, address, postcode, telephone, email, facsimile):

CASTLE ENVIRONMENTAL, CLIPPER ROAD,
ROATH DOCK, CARDIFF, CF10 4LX

JOHN DARMANIN

NEAL SOIL SUPPLIES LTD,
TY-TO-MAEN FARM, NEWTON ROAD,
RUMNEY, CARDIFF, CF3 2EJ

029 2079 7835

t: 02920 496467

c:

e:

- Premises Code (where applicable): CAD030

Part B - Description of the waste

- Process Giving Rise to the Waste was: Demolition and wrecking of buildings; earth moving

2 - SIC for the process giving rise to the waste: 28.92/2

- Waste Details (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Name of waste	List of wastes (EWC code) (6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical Form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container number; type and size
			Component	Concentration (% or mg/kg)			
Oil and Water	16 07 08*	13560	hydrocarbons	5%	Liquid	HP 7 HP14	1 X Tanker Hire
WC Code	Packing group(s)	Tunnel Code	UN Identification number(s)	Proper shipping name(s)	UN Class(es)	Special handling requirements	
07 08*			9999	N	0		

Part C - Carrier's Certificate

Where more than one carrier is used, please attach schedule for subsequent carriers. (Schedule of carriers is attached tick here) ☐

I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

Carrier Name: A. Synneco

Address (name, address, postcode, telephone, e-mail, facsimile)

EGAN SERVICES, UNIT A15, SEVERN ROAD, TREFOREST INDUSTRIAL ESTATE, PONTYPRIDD CF37 5TA, 01443 841833

f: e:

Carrier's Registration Number / reason for exemption:

DU5859

Vehicle Registration no. (or mode of transport if not road):

8VMD

Signature

Date: 23-10-17 Time: 10:00

Part D - Consignor's certificate

I certify that the information in A, B, and C above are correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I, the waste producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulations 2011

1 - Consignor Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

NEAL SOIL SUPPLIES LTD, TY-TO-MAEN FARM, NEWTON ROAD, RUMNEY, CARDIFF, CF3 2EJ

t: 029 2079 7835

f:

e:

Signature:

Date:

Time:

Part E - Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC Code(s) received	Quantity of each EWC code received (Kg)	EWC Code Accepted / Rejected	Waste Management operation (R or D code)
07 08*	13 560 kg	✓	D09

I received this waste at the address given in A4 on:

Date: 23/10/17

Time: 10:15

Vehicle registration no. (or mode of transport if not road): KS08VMD

Name: James Dee

When the waste is rejected please provide details:

on behalf of (name, address, postcode, email, facsimile)

I certify that waste management licence / permit / authorised exemption no(s)

LP3439HM

Signature:

Date: 23/10/17

Time: 10:55

I authorise the management of the waste described in B at the address given in A4.

The Hazardous Waste Regulations 2005:

Consignment Note

Consignor's / Carrier's / Consignee's copy (Delete as appropriate)



Part A - Notification Details

1 - Consignment note code: CAD030/00004

4 - The waste will be taken to (name, address and postcode):

2 - The waste described below is to be removed from (Name, address, postcode, telephone, email, facsimile):

CASTLE ENVIRONMENTAL, CLIPPER ROAD,
ROATH DOCK, CARDIFF, CF10 4LX

c: JOHN DARMANIN

NEAL SOIL SUPPLIES LTD,
TY-TO-MAEN FARM, NEWTON ROAD,
RUMNEY, CARDIFF, CF3 2EJ

t: 029 2079 7835

t: 02920 496467 c:

f: e:

3 - Premises Code (where applicable): CAD030

Part B - Description of the waste

1 - Process Giving Rise to the Waste was: Demolition and wrecking of buildings; earth moving

2 - SIC for the process giving rise to the waste: 28.92/2

3 - Waste Details (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code) (6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical Form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container number; type and size
			Component	Concentration (% or mg/kg)			
Oil and Water	16 07 08*	13000	hydrocarbons	5%	Liquid	HP 7 HP14	1 X Tanker Hire
		13000					
EWC Code	Packing group(s)	Tunnel Code	UN Identification number(s)	Proper shipping name(s)		UN Class(es)	Special handling requirements
16 07 08*			9999	N		0	

Part C - Carrier's Certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here.) ☐

I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

1 - Carrier Name: A. Sandoz

On behalf of (name, address, postcode, telephone, e-mail, facsimile)

N WASTE SERVICES, UNIT A15, SEVERN ROAD, TREFOREST IND
ATE, PONTYPRIDD CF37 5TA, 01443 841833

t: f: e:

2 - Carriers Registration Number / reason for exemption:

CB055859

3 - Vehicle Registration no. (or mode of transport if not road):

KS08VMD

Signature: A. Sandoz

Date: 2-6-17

Time: 8:45

Part D - Consignor's certificate

I certify that the information in A, B, and C above are correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I, the waste producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulations 2011

1 - Consignor Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

NEAL SOIL SUPPLIES LTD, TY-TO-MAEN FARM, NEWTON ROAD,
RUMNEY, CARDIFF, CF3 2EJ

t: 029 2079 7835 f: e:

Signature: A. Sandoz

Date: 2-6-17

Time: 8:45

Part E - Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC Code(s) received	Quantity of each EWC code received (Kg)	EWC Code Accepted / Rejected	Waste Management operation (R or D code)
16 07 08*	13000	✓	DO9

1 - I received this waste at the address given in A4 on:

Date: 02/06/17

Time: 0900

2 - Vehicle registration no. (or mode of transport if not road): KS08VMD

Name: James Dee

3 - Where waste is rejected please provide details:

on behalf of (name, address, postcode, email, facsimile)

I certify that waste management licence / permit / authorised exemption no(s)

LP3439HM

authorises the management of the waste described in B at the address given in A4.

Signature: A. Sandoz

Date: 02/06/17

Time: 1010

The Hazardous Waste Regulations 2005:

Consignment Note

Consignor's / Carrier's / Consignee's copy (Delete as appropriate)


**EGAN
WASTE**

Part A - Notification Details

1 - Consignment note code: CAD030/00003

4 - The waste will be taken to (name, address and postcode):

2 - The waste described below is to be removed from (Name, address, postcode, telephone, email, facsimile):

CASTLE ENVIRONMENTAL, CLIPPER ROAD,
ROATH DOCK, CARDIFF, CF10 4LX

3 - JOHN DARMANIN

NEAL SOIL SUPPLIES LTD,
TY-TO-MAEN FARM, NEWTON ROAD,
RUMNEY, CARDIFF, CF3 2EJ

t: 029 2079 7835

t: 02920 496467

c:

e:

5 - Premises Code (where applicable): CAD030

Part B - Description of the waste

6 - Process Giving Rise to the Waste was: Demolition and wrecking of buildings; earth moving

2 - SIC for the process giving rise to the waste: 28.92/2

7 - Waste Details (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code) (6 digits)	Quantity (kg)	The chemical/biological components of the waste and their concentrations are:		Physical Form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container number; type and size
			Component	Concentration (% or mg/kg)			
Oil and Water	16 07 08*	01350	hydrocarbons	5%	Liquid	HP 7 HP14	1 X Tanker Hire
WC Code	Packing group(s)	Tunnel Code	UN Identification number(s)	Proper shipping name(s)		UN Class(es)	Special handling requirements
16 07 08*			9999	N		0	

Part C - Carrier's Certificate

8 - If more than one carrier is used, please attach schedule for subsequent carriers. (If schedule of carriers is attached tick here).

9 - I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

Carrier Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

WASTE SERVICES, UNIT A15, SEVERN ROAD, TREFOREST INDUSTRIAL ESTATE, PONTYPRIDD CF37 5TA, 01443 841833

f:

e:

Carriers Registration Number / reason for exemption:

NP3497SR

Vehicle Registration no. (or mode of transport if not road):

08VMD

Signature:

Date: 1-2-17 Time:

Part D - Consignor's certificate

I certify that the information in A, B, and C above are correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I, the waste producer/holder/transferor, confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulations 2011

1 - Consignor Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

NEAL SOIL SUPPLIES LTD, TY-TO-MAEN FARM, NEWTON ROAD, RUMNEY, CARDIFF, CF3 2EJ

t: 029 2079 7835

Signature:

Date: 01/02/2017 Time:

Part E - Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC Code(s) received	Quantity of each EWC code received (Kg)	EWC Code Accepted / Rejected	Waste Management operation (R or D code)
16 07 08*			

10 - I received this waste at the address given in A4 on:

Date:

Time:

11 - Vehicle registration no. (or mode of transport if not road):

Name:

12 - Where waste is rejected please provide details:

On behalf of (name, address, postcode, email, facsimile):

13 - I certify that waste management licence / permit / authorised exemption no(s):

Signature:

14 - I authorise the management of the waste described in B at the address given in A4.

Date:

Time:

Performance Parameters in Schedule 4

Permit Number: EPR/VP3095FS

Operator: Neal Soil Suppliers Ltd

Facility: Neal Soil Suppliers Limited

Form Number: WaterUsage1/ 08/03/12

Reporting of Water Usage for the year ~~XXXX~~ 2017.

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
NIL	NIL	
TOTAL WATER USAGE	NIL	

Operator's comments : ADDITIONAL WATER USAGE: THIS HAS BEEN OBTAINED FROM OUR OWN
INTERCEPTOR DITCHES ON SITE FOR THE TOPPING UP OF THE WASH PLANT.

Signed *P. Edwards*
(authorised to sign as representative of Operator)

Date: 16/01/2018.

Drafting note: if the operator is required to submit Resource Efficiency Physical Index (REPI) data to the Pollution Inventory, please ensure that no metrics are repeated in this reporting form.

Permit Number: EPR/VP3095FS

Operator: Neal Soil Suppliers Ltd

Facility: Neal Soil Suppliers Limited

Form Number: Performance1 / 08/03/12

01/01/2017 to 31/12/2017.

Reporting of other performance indicators for the period ~~DD/MM/YYYY~~ to ~~DD/MM/YYYY~~

Parameter	Units

Operator's comments :

Signed *J. Edwards*
(Authorised to sign as representative of Operator)

Date 16/01/2018.

Drafting note: if the operator is required to submit Resource Efficiency Physical Index (REPI) data to the Pollution Inventory, please ensure that no metrics are repeated in this reporting form.

Permit Number: EPR/VP3095FS Operator: Neal Soil Suppliers Ltd
 Facility: Neal Soil Suppliers Limited Form Number: Energy1 / 08/03/12

Reporting of Energy Usage for the year ~~XXXX~~ 2017.

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
DIESEL	232,017 Ltrs.		
TOTAL	- 232,017 Ltrs.		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed 
 (Authorised to sign as representative of Operator)

Date: 16/01/2018.

Drafting note: if the operator is required to submit Resource Efficiency Physical Index (REPI) data to the Pollution Inventory, please ensure that no metrics are repeated in this reporting form.