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Oriel Housing Ltd
Collins House
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8 May 2024

115 Chatham Street - Additional Ground Investigation and Enablement Phase Verification

Dear Brian Ryves,

Please find below, a report discussing ground investigation and enablement phase verification works undertaken to provide further assessment following initial enablement works and placement of pile mat materials. This report should be read in conjunction with previous Hydrock Remediation Strategy and Verification Plan report undertaken for the site (report ref: 19411-HYD-XX-XX-RP-GE-3000).

Your sincerely,



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Appendix B Exploratory Hole Location Plans
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1. Introduction

In June 2023, Hydrock Consultants Ltd (Hydrock) was commissioned by Oriel Housing Ltd (the client) to undertake a number of exploratory holes to a maximum depth of 3.00m below ground level (bgl) across the site to provide risk assessment and waste classification information for the pile mat and Made Ground materials which are to be disposed off-site.

The site is located at 115 Chatham Street in Reading, with the nearest postcode of RG1 7JX. The National Grid Reference of the approximate centre of the site is 470872E, 173490N and is approximately 0.16ha in area.

The site was subject to demolition works and at the time of investigation was free of any buildings, except for temporary welfare and site office containers located in the south east corner. Construction equipment and two stockpiles of materials were also situated on the site, whilst the surface covering was predominantly of crushed material and a small amount of original asphalt hardstanding left at the entrance to the site.

It is understood that the proposed development is to comprise a residential apartment block between three and five storeys high, as presented in DHA Architecture Ltd drawing (ref: 022014-ARC-01-03).

A previous desk study and ground investigation was undertaken by Enzygo Ltd in 2020 (report ref: CRM.1265.024.GE.R.001B) and in 2022 a supplementary ground investigation and a remediation strategy and verification plan was undertaken by Hydrock (report ref: 19411-HYD-XX-XX-RP-GE-3000) to further assess the risks identified by Enzygo, for the proposed redevelopment.

The works have been undertaken in accordance with Hydrock's fee and instructions to proceed via email to the client on 26th June 2023.

Information within the Enzygo and Hydrock reports outlined a number of unacceptable risks to human health and plant growth within the Made Ground soils situated on site. Hydrock proposed mitigation measures to remove these risks. Demolition of the former buildings was undertaken and it has been noted that the potential mixing of the contaminated soil and demolition waste occurred across the site and it was unknown whether contamination from the hotspots remained. On this basis, Hydrock proposed a series of additional ground investigation works to assess the extent of the ground conditions.

2. Summary of previous investigation findings

2.1 Enzygo Ltd, 2020

A Phase 1 desk study and Phase 2 ground investigation was completed in November 2020 by Enzygo Ltd. The investigation comprised ten window sampler boreholes (to depths ranging between 2.30m and 5.45m bgl); a cable percussive borehole (to a maximum depth of 15.27m bgl) and a hand pit (to a maximum depth of 1.0m). Ground conditions encountered comprised Made Ground (recording thicknesses between 0.30m to 2.70m) over firm to stiff clay, medium dense gravels of the Taplow Gravel Formation (recording thicknesses between 0.20m and 3.60m and chalk of the Lewes Nodular Chalk (recording thickness between 4.0m and >7.0m). Groundwater was encountered as a seepage at 8.0m bgl during the drilling of the cable percussive borehole within the Chalk Formation. Monitoring of the wells installed in the shallow windowless sampler boreholes confirmed groundwater is at least 5.0m bgl since they were consistently dry.

Screening of laboratory test data of the soils against CLEA generic assessment criteria (GAC) for residential use without plant uptake, determined presence of elevated concentrations of hydrocarbons. The PAH and TPHs exceeded the GAC for human health within the shallow Made Ground (0.30m bgl) at four locations (WS2, WS3, WS8 and WS9), shown in Hydrock drawing 19411-HYD-XX-XX-DR-GE-0004 presented in Appendix A. Asbestos fibres were also detected in a single soil sample obtained from 0.30m at WS8 (Chrysotile).

Enzygo undertook a total of six rounds of ground gas monitoring. The report concluded that a risk from ground gas did not exist and no gas protection measures were required for the proposed development.

2.2 Hydrock, 2022

To further assess the extent of the potential contamination identified by Enzygo, Hydrock recommended further investigation with a number of shallow excavations and collection of additional soil samples for laboratory testing. In May 2021, ten hand excavated trial pits were dug to a maximum depth of 1.0m bgl Ground conditions encountered were 0.10m-0.15m of asphalt hardstanding from surface level, overlying Made Ground. Natural soils were not encountered. Screening of the laboratory test data of the soils also determined presence of elevated concentrations of hydrocarbons (PAH) and metals exceeding the GAC for human health. It was noted that concentrations of petroleum hydrocarbons were also relatively high. Visible evidence of Asbestos Containing Materials (ACM) was recorded in HP207 and HP208 in the form of cement bound asbestos tiles, however fibres of asbestos were not detected within soil samples. In both investigations elevated concentrations of zinc were identified in exceedance of the GAC for phytotoxic risk to plant life.

A summary of the contamination identified previously can be seen in Hydrock remediation plan drawing ref: 19411-HYD-XX-XX-DR-GE-0004 presented in Appendix A.

It was concluded that the excavated soils to be disposed of as waste, are likely to be classed as hazardous waste in the areas indicated on the remediation plan. The general Made Ground across the rest of the site was generally anticipated to comprise non-hazardous waste unless containing visible asbestos or >0.1% asbestos fibres which would determine it to be hazardous.

Mitigation measures were also proposed to remove the unacceptable risks within the Made Ground, this included:

- The excavation and replacement of the hydrocarbon hotspots noted as hazardous waste on the remediation plan.
- The installation of a 450mm cover system in all soft landscaping (deeper for trees as required), comprising a geotextile marker membrane, subsoil and a minimum of 150mm of topsoil.
- Installation of Protectaline pipework and clean service corridors.
- Production of a Materials Management Plan and its approval by a Qualified Person will be required to allow any reuse of suitable materials at the site.
- Verification by a competent independent geo-environmental specialist will be required following completion of any remedial works.

3. Hydrock Additional Ground Investigation 2023

Site works were undertaken between 27th June and 29th June 2023 and consisted of twenty-five windowless sampler boreholes to depths of between 1.50m to 3.00m bgl to obtain environmental samples for waste classification purposes and to identify the ground conditions now present on site following the initial enablement phase construction works completed. The approximate locations were given using What3Words and are shown on the Exploratory Hole Location Plan (19411-HYD-XX-XX-DR-GE-1001) presented in Appendix A. A summary of this investigation is presented in Table 1 overleaf.

Table 1: Summary of site works

Activity	Method	No.	Depth range (m bgl)	In situ tests	Notes
Drilling					
Boreholes	Windowless Sampler (WS101 to WS126 drilled by Top Drill)	25	1.50 – 3.00	SPT	Backfilled with bentonite and arisings

3.1 Ground conditions

The following presents a summary of the properties of the ground conditions encountered during the most recent investigation, based on field observations, interpretations of the field data and laboratory test results. Exploratory hole logs are presented in Appendix B, a summary of the ground model is presented in Table 2 and the individual strata encountered are described in the sections below. Photos from the site works are presented in Appendix C. No groundwater was encountered during the investigation.

Table 2: Strata encountered

Stratum	Depth to top (m bgl)	Depth to base (m bgl)	Thickness (m) range	Average thickness (m)
Made Ground	0.00	0.80 - >3.00	0.80 - >3.00	1.93
Taplow Gravel Member	0.80 – 2.85	2.00 - >3.00	0.15 - >2.20	1.04
Seaford and Newhaven Chalk Formation	2.50 – 2.90	>3.00	>0.10 - >0.50	0.27

> base of strata not proven

3.1.1 Made Ground

Made Ground was encountered within all twenty-five exploratory hole locations across the site from surface level to a maximum unproven depth of 3.00m bgl. This consisted of a layer of grey sandy gravels of concrete, brick, occasionally asphalt, typically 0.25m to 0.50m in thickness, overlying a brown clayey gravelly sand or clay. Gravels noted to be of various lithologies including flint, brick, ceramic, bitumen, clinker, asphalt.

3.1.2 Taplow Gravel Member

The superficial deposits of the Taplow Gravel Member were encountered underlying the Made Ground within twenty-one out of the twenty-five exploratory hole locations from 0.80m bgl to a maximum unproven depth of 3.00m bgl. This typically consisted of a soft brown sandy gravelly clay and/or medium dense to dense orange brown gravelly sand. Gravels noted to be of flint.

3.1.3 Seaford and Newhaven Chalk Formation

Seaford and Newhaven Chalk Formation was encountered underlying the Taplow Gravel Member and/or Made Ground within three out of twenty-five of the exploratory hole locations located just off

centre towards the west (WS119, WS120 and WS122). From 2.50m bgl to a maximum unproven depth of 3.00m bgl. This typically consisted of structureless chalk composed of cream clayey gravel with very weak low density chalk clasts.

3.2 Geo-environmental testing

Chemical laboratory testing results are summarised in Appendix D. Exploratory hole locations were determined in an approximate herringbone pattern across the accessible parts of the site to assess the extent of the site ground conditions. Where access was not possible, such as the location of the site office and stockpiles of materials and equipment present, these locations could not be undertaken (eg WS106, WS108) or were moved to an appropriate position. Samples were taken, stored and transported in accordance with BS 1075:2011+A2:2017.

The chemical test certificates for testing undertaken by a specialist laboratory on behalf of Hydrock are provided in Appendix D. The geo-environmental analyses undertaken on soils are summarised in Table 3.

Table 3: Geo-environmental analyses of soils

Determinand suite	Made Ground	Taplow Gravel Member	Seaford and Newhaven Chalk Formation
Hydrock minimum suite of determinands for solids*	38	9	1
Speciated aliphatic and aromatic banding total petroleum hydrocarbons by HS-GC/MS and GC/FID (Hydrock Tier 2 TPH Suite)	46	12	1
Waste Acceptance Classification	11	-	-

*Hydrock minimum soil suite comprises: As, B (water soluble), Be, Cd, Cr (total), Cr (VI), Cu, Hg, Ni, Pb, S (elemental), Se, V, Zn, cyanide (total), sulfide, pH, asbestos fibres, speciated polynuclear aromatic hydrocarbons (PAH, by GC-FID), total phenols and fraction of organic carbon.

4. Laboratory Test Results

4.1 Geo-environmental results

Results were screened against Generic Assessment Criteria (GAC), using a Tier 2 assessment with soil screening values applicable with a conservative CLEA land use scenario of residential without plant uptake. The detailed analysis is presented in Appendix D. Based on individual test results that exceed the GAC, as outlined in Hydrock RSVP report, are used to assess the results of this investigation. The chemicals of potential concern (CoPC) which require further assessment are summarised in Table 4.

Table 4: Chemicals of potential concern for which further assessment is required (human health)

CoPC	GAC (mg/kg)	No. samples	Min. (mg/kg)	Max. (mg/kg)	No. samples >GAC
Made Ground					
Arsenic	40	38	2.0	55	1
Copper	200	38	4.0	296	1
Lead	310	37	3.0	998	3

Zinc	300	38	3.0	801	3
Benz(a)anthracene	5.5	38	0.10	206	5
Benzo(a)pyrene	1.5	38	0.10	173	13
Benzo(b)fluoranthene	11	38	0.10	189	3
Benzo(ghi)perylene	71	38	0.10	76.2	1
Benzo(k)fluoranthene	15	38	0.10	48.9	1
Chrysene	13	38	0.10	217	2
Dibenz(ah)anthracene	1.3	38	0.10	23.3	4
Indeno(123cd)pyrene	6.3	38	0.10	103	2
Napthalene	2.3	38	0.10	1700	2
TPH ali >EC12-EC16	24	44	3.0	41	1
TPH aro >EC10-EC12	250	38	2.0	2532	1
TPH aro >EC16-EC21	1900	38	3.0	2183	1
Benz(a)anthracene	5.5	10	0.10	10.50	1
Benzo(a)pyrene	1.5	10	0.10	9.58	1
Benzo(b)fluoranthene	11	10	0.10	11	1
Dibenz(ah)anthracene	1.3	10	0.10	1.36	1

A summary of the contamination identified within the Made Ground soils is presented in Hydrock drawing 19411-HYD-XX-XX-DR-GE-1002, and it is noted that soil exceedances appear to be more widespread across the site.

4.1.1 Asbestos

A fragment of suspected asbestos containing material was found and sampled within WS112. This has been confirmed through laboratory testing that the suspected fragment is not asbestos and no asbestos fibres were detected within the soil samples.

The client instructed all asbestos to be removed and disposed from the existing building on site prior to its demolition and holds the relevant paperwork to evidence this. This is included in Appendix E.

Whilst Hydrock consider it plausible for asbestos to be present in any of the Made Ground soils, overall, given the extent of removal from the former structures and the testing completed to date, the residual risk from the presence of asbestos is considered to be low. However, mitigation (in the form of an engineered cover system) will be required to ensure risks to site users remain negligible.

4.1.2 Metals in the Made Ground

Metals in exceedance of the GAC are identified to be present within the Made Ground as follows:

- One exceedance of arsenic within WS112 at 1.0m bgl recorded 55mg/kg, compared to a GAC of 40mg/kg.
- One exceedance of copper within WS113 at 2.40m bgl recorded 296mg/kg, compared to a GAC of 200mg/kg.

- Three exceedances of lead within WS101 at 1.50m bgl recorded 329mg/kg, WS113 at 2.40m bgl recorded 998mg/kg, and WS118 at 0.60m bgl recorded 545mg/kg, compared to a GAC of 310mg/kg.
- Three exceedances of zinc within WS105 at 0.5m bgl recorded 801mg/kg, WS112 at 1.00m bgl recorded 591mg/kg and WS118 at 0.60m bgl recorded 700mg/kg, compared to a GAC of 300mg/kg

4.1.3 Polycyclic Aromatic Hydrocarbons (PAH) compounds in the Made Ground

PAHs in exceedance of the GAC are identified to be present within the Made Ground as follows:

- Five exceedances of benzo(a)anthracene within WS109 at 0.70m bgl, WS112 at 0-0.30m bgl, WS115 at 0.30m bgl, WS122 at 0.20m bgl and WS123 at 0.40m bgl, with a range of exceedances recorded between 8.64 to 206mg/kg, compared to a GAC of 1.71mg/kg
- Thirteen exceedances of benzo(a)pyrene within WS101 at 0-0.35m and 1.00m bgl WS107 at 0.60m bgl, WS109 at 0.70m bgl, WS112 at 0-0.30m bgl WS115 at 0.30m bgl and 0.60m bgl, WS118 at 0.60m bgl, WS122 at 0.20m bgl, WS123 at 0.40m bgl. WS124 at 1.00m bgl, WS125 at 0.40m bgl, and WS126 at 0.40m bgl. A range of exceedances recorded between 1.66 to 173mg/kg, compared to a GAC of 1.5mg/kg.
- Three exceedances of benzo(b)fluoranthene within WS109 at 0.70m bgl recorded 189mg/kg, WS115 at 0.30m bgl, recorded 23.3mg/kg and WS112 at 0-0.30m bgl recorded 11.4mg/kg, compared to a GAC of 11mg/kg.
- One exceedance of Benzo(ghi)perylene within WS109 at 0.70m bgl recorded 76.2mg/kg, compared to a GAC of 71mg/kg.
- One exceedance of benzo(k)fluoranthene within WS109 at 0.70m bgl recorded 48.9mg/kg, compared to a GAC of 15mg/kg.
- Two exceedances of chrysene within WS109 at 0.70m bgl recorded 217mg/kg and WS115 at 0.30m bgl recorded 24mg/kg, compared to a GAC of 13mg/kg
- Four exceedances of dibenzo(ah)anthracene within WS107 at 0.60m bgl recorded 3.47mg/kg, WS109 at 0.70m bgl recorded 23.3mg/kg, WS112 at 0-0.30m bgl recorded 1.35mg/kg and WS115 at 0.30m bgl recorded 2.76mg/kg, compared to a GAC of 1.3mg/kg.
- Two exceedances of indeno(123cd)pyrene within WS109 at 0.70m bgl recorded 103mg/kg and WS115 at 0.30m bgl recorded 11.5mg/kg, compared to a GAC of 6.3mg/kg.
- Two exceedances of Napthalene within WS107 at 0.60m bgl recorded 3.94mg/kg and WS109 at 0.70m bgl recorded 1700mg/kg, compared to a GAC of 2.3mg/kg

4.1.4 Total Petroleum Hydrocarbons (TPH) compounds in the Made Ground

Total Petroleum Hydrocarbons in exceedance of the GAC values are identified to be present within the Made Ground as follows:

- One exceedance of TPH aro >EC10-EC12 within WS109 at 0.70m bgl recorded 2532mg/kg, compared to a GAC of 250mg/kg.
- One exceedance of TPH aro >EC16-EC21 within WS109 at 0.70m bgl recorded 2183mg/kg, compared to a GAC of 1900mg/kg.

4.1.5 PAH compounds in the Taplow Gravel Member

WS117A at 2.00m bgl contains PAHs in exceedance of the GAC values identified to be present within the natural soils:

- Benzo(a)anthracene recorded at 10.50mg/kg, compared to a GAC of 5.5mg/kg.
- Benzo(a)pyrene recorded at 9.58mg/kg, compared to a GAC of 9.58mg/kg.

» Benzo(b)fluoranthene recorded at 11mg/kg compared to a GAC of 11mg/kg.
» Dibenz(ah)anthracene recorded at 1.36mg/kg, compared to a GAC of 1.3mg/kg.

These exceedances are considered marginal within the Taplow Gravel Member, along with these compounds being immobile, it is considered not be of any further risk to human health. This identified hotspot will also be situated underneath the main structure of the building, which will offer no physical pathway to the source.

4.1.6 Phytotoxicity

Priority phytotoxic chemical concentrations have been screened against published values to determine the likely risk to plant growth (phytotoxic GAC). Phytotoxic GAC based on a pH of >7% have been adopted for all soils. The detailed analysis is presented in Appendix D.

Based on individual test results that exceed the phytotoxic GAC, CoPC which require further assessment are summarised in Table 5.

Table 5: CoPC which require further assessment (phytotoxic)

CoPC	GAC (mg/kg)	Basis for GAC	No Samples.	Min (mg/kg	Max (mg/kg)	No Samples >GAC
Made Ground						
Copper	200	BS3882:2015	38	4.0	296	1
Zinc	300	BS3882:2015	38	3.0	801	1
Taplow Gravel Member						
No exceedances						
Seaford and Newhaven Chalk Formation						
No exceedances						

4.1.7 Metals in the Made Ground - Phytotoxicity

Within the Made Ground, concentrations of zinc are significantly elevated when compared to the GAC and concentrations of copper is only slightly elevated. Whilst detriment to plant life is difficult to quantify as many of the GAC are based on agricultural crop yields rather than harm to particular plant species, the significant exceedance of zinc indicates the probability of an unacceptable risk to plant life and mitigation may be required.

Notwithstanding the concentrations of contamination identified, there is no subsoil or topsoil growing medium on the site and this will require import.

The requirement for mitigation of risk to human health will also serve to mitigate risks to plant life.

4.2 Geo-environmental conclusions

The exceedances highlighted within Section 4.1 are above the GAC as set out in the remediation strategy and verification plan report are predominantly minor exceedances and are not considered a risk. Much of the exceedances are contained within shallow soils of <1m depth. Since the investigation works, the upper 300mm of these soils has been disposed off-site, waste transfer documentation is presented in Appendix F.

Three main areas of concern were noted within WS109 (0.7m in Made Ground) WS113 (2.4m in Made Ground) and WS117A (2.0m in Taplow Gravel) to be subject to further assessment due to exceedances

of copper, lead, TPH and PAH. On this basis, additional investigation was undertaken in two areas (WS113 and WS117A), as detailed in Section 5.

5. Additional delineation works

On 8th September 2023, Hydrock undertook sampling around WS117A to identify if contamination has migrated vertically or laterally. Using a machine excavator operated by a groundworker provided by Abri, samples were taken around the noted hotspot area. Samples to the north were taken approximately 3.50m away from the original WS117A location, 1.0m to the east due to the ongoing construction of the lift shaft directly adjacent to the east side, 5.0m to the south and 3.0m to the west. Samples were within the natural soils as this was where the original contamination was encountered, at levels similar to where the contamination was identified and at least 1.0m below this. Table 6 below summaries sample depths and locations obtained, which were all recovered within the natural Taplow Gravel deposits.

Table 6: Depth of samples taken during WS117A delineation works

WS117A Centre	WS117A North	WS117A East	WS117A South	WS117A West
1.60m	2.00m	2.20m	1.20m	2.50m
2.60m	3.00m	2.90m	2.20m	
3.00m			2.80m	

On 17th November 2023, Hydrock undertook sampling around WS113 to also identify if the contamination has migrated deeper into the soils or further out. Using a machine excavator operated by a groundworker provided by Abri, samples were taken around the noted hotspot area. Samples to the north were taken approximately 3.0m away from the original WS113 location, 4.0m to the east, 5.0m to the south and 4.0m to the west. The original contamination was identified within the Made Ground, so samples were taken within the Made Ground as well as the underlying natural soils. Table 7 below summarises sample depths and locations taken.

Table 7: Depth of samples taken during WS113 delineation works

WS113 Centre	WS113 North	WS113 East	WS113 South	WS113 West
1.40m (Made Ground)	2.00m (Made Ground)	2.00m (Made Ground)	1.80m (Made Ground)	2.00m (Made Ground)
2.40m	2.40m	2.50m	2.90m	2.60m
3.00m			3.10m	

5.1 Additional delineation geo-environmental results

Results were screened against Generic Assessment Criteria (GAC), using a Tier 2 assessment with soil screening values applicable with a conservative CLEA land use scenario of residential without plant uptake. The detailed analysis is presented in Appendix D. Based on individual test results that exceed the GAC, as outlined in Hydrock RSVP report, are used to assess the results of the investigation. The chemicals of potential concern (CoPC) which require further assessment are summarised in Table 8.

Table 8: Chemicals of potential concern for which further assessment is required (human health)

CoPC	GAC (mg/kg)	No. Samples	Min (mg/kg	Max (mg/kg)	No. samples >GAC
WS113					
Lead (Made Ground)	200	11	1.0	2260	1
WS117A					
No exceedances					

5.1.1 Metals in the Made Ground

Metals in exceedance of the GAC were identified within the Made Ground as follows:

» One exceedance of lead within WS113 South at 1.80m bgl recorded 2260mg/kg, compared to a GAC of 200mg/kg.

5.1.2 Phytotoxicity

Priority phytotoxicity chemical concentrations have been screened against published values to determine likely risk to plant growth (phytotoxicity GAC). Phytotoxicity GAC based on a pH >7% have been adopted for all soils. The detailed analysis is presented in Appendix D.

Based on individual tests results there were no exceedances of the phytotoxicity GAC and no chemicals of potential concern which require further assessment.

5.1.3 Leachate

The risks to groundwater and surface water from contaminants from soil leachates on site have been assessed in accordance with the Environment Agency (2006) Remedial Targets Methodology (RTM).

Site contaminant loadings are compared with relevant screening values (Water Quality Targets (WQTs), which are linked to the CSM.

The River Thames and River Kennet are the nearest surface water receptors located to the north and south east respectively (both >500m from site). In this area, the Thames is not tidal; therefore, the chosen WQT is DWS – to reflect the risk to controlled waters within groundwater of the Principal aquifer in the Lewes Nodular Chalk. It is noted that the nearest groundwater Source Protection Zone is over 1.5km to the north east. Groundwater was recorded in the Enzygo investigation to be at least 8.0m below ground level.

Five samples were screened for soil leachate analysis (WS117A at 2.6m, WS117A at 3.0m, WS113 at 1.4m, WS113 at 2.4m and WS113 at 3.0m) all of which had no determinants exceeding the relevant WQTs selected. This indicates that there is not considered to be unacceptable risk of pollution of Controlled Waters from contamination leaching from shallow soils in the vicinity of WS113 and WS117.

5.2 Geo-environmental conclusions

Works have been undertaken to assess the site through a grid of windowless sampler boreholes and associated laboratory testing. Potential risks were identified at three locations, WS109, WS113 and WS117A. WS113 and WS117A were further investigated via trial pits and additional laboratory testing to delineate at WS113 and WS117A. One exceedance of concentrations of lead within Made Ground in

WS113 South at 1.80m was identified to present a potential risk, indicating a hotspot of lead at this location. Notwithstanding this, a sample tested at 2.40m showed no elevated concentrations. Furthermore, leachate testing also demonstrated no exceedances.

With respect to controlled waters, no exceedances of the DWS were identified within leachate testing of soils below this depth in the vicinity of WS113 and it is noted that groundwater is at least 8.0m bgl. No surface water receptors are present within 500m and the nearest SPZ is over 1.5km away.

Additional testing was not undertaken at WS109, it is recommended that this area be subject to remediation works comprising excavation of impacted soils to a depth of 0.9m within an area of 5m x 5m under a watching brief by a suitably qualified geo-environmental consultant who will undertake validation testing of the sides and base of the excavation.

Given the works completed to remove Made Ground to depths of 300mm across the site and proposed mitigation outlined above and in the RSVP to include a cover system in areas of soft landscaping (the pathway being broken by hardstanding/building cover elsewhere), it is considered the remaining exceedances are unlikely to pose a potential risk to human health, controlled waters or plant life. Verification of remediation must be completed to ensure compliance with the RSVP.

Details on mitigation to reduce residual risks to human health and plant life, as appropriate are outlined in Section 7.

6. Waste and Materials Management

6.1 Introduction

The Waste Framework Directive (WFD) (2009/98/EC) defines waste as 'any substance which the holder discards or intends to discard.' In a geo-environmental context, the waste is most often 'soil' and the two main scenes

6.2 HazWasteOnline™ assessment

As the site is brownfield, in order to inform the preliminary waste characterisation process, Hydrock has undertaken an exercise using the proprietary web-based tool HazWasteOnline™. The output of the HazWasteOnline™ assessment is provided in Appendix G and a summary of the preliminary waste classification is provided below in Section 6.4.

It should be noted that some of the soil samples assessed as part of the HazWasteOnline™ are classified as potentially hazardous on account of the designation 'HP3i, HP7, HP8, HP11 and HP14' (with regards to petroleum hydrocarbons, polycyclic aromatic hydrocarbons and pH). This includes WS109 at 0.7 to 0.75m, based on high TPH values, and WS121 0.2 to 0.4m and WS125 0.4 to 0.6m based on high pH values.

6.3 WAC Testing

The qualitative WAC tests are provided in Appendix D**Error! Reference source not found.** a summary of the preliminary waste disposal options is provided below in Section 6.4.

6.4 Preliminary waste disposal options

The site is brownfield and based on the site history, WAC testing and the HazWasteOnline™ assessment, if suitable segregation of different types of waste is put in place, for soils to be disposed of, it is considered that:

- The Made Ground present across the site is likely to be generally classified as non-hazardous waste.
- The Made Ground present at WS109 0.7 to 0.75m, WS121 0.2 to 0.4m and WS125 0.4 to 0.6m have been classified as hazardous waste.
- Any soils containing >0.1% asbestos or visible asbestos containing materials would be considered as hazardous.

7. Recommendations

Based on the works detailed above, it is recommended that impacted soils in the vicinity of WS109 be subject to excavation and suitable off-site disposal to a depth of 0.9m below existing ground level within an area of 5m x 5m, to remove the PAH/TPH impacted Made Ground. The remediation works should be completed under a watching brief by a suitably qualified geo-environmental consultant who will undertake validation testing of the sides and base of the excavation for verification purposes.

The following recommendations as stated in Hydrock's RSVP report still apply:

It is recommended the Contractor is to install Protectaline (or similar) barrier pipework for potable water supply at the site. This is to be validated by the Contractor by the provision of delivery tickets showing Protectaline (or similar) has been delivered to site and by photographic proof provided by the Contractor to the Client and the Consultant that Protectaline pipework (or similar) has been installed.

Where soft landscaping is proposed, i.e. grass or planting, a cover system will be required to mitigate against the risk from elevated concentrations of contaminants in the Made Ground. Areas of soft landscaping in the roof gardens or anywhere else where a layer of concrete is present at the base will not require a cover system since there is no pathway present between the Made Ground and receptors in these areas.

Hydrock proposed the following cover systems/excavation depths:

- Service trenches, over excavation (300mm both sides and 300mm below) and backfill with clean materials.
- Beneath soft landscaped areas, excavate to 450mm below final ground level (deeper where tree pits are required), and replace with an engineered cover system.

With reference to BRE document reference 465, 'Cover Systems for Land Regeneration, Thickness of Cover Systems for Contaminated Land', the installation of a cover system is required and is proposed to comprise (in order of placement):

- A high visibility geotextile marker layer (base); and
- 450mm of Subsoil and/or Topsoil (minimum 150mm Topsoil)

For areas of proposed trees, tree pits will need to be excavated and additional Subsoil provided above the break layer.

The cover system will be installed by the Contractor and verified by Hydrock Consultants.

The cover system installation should be undertaken in the following steps:

1. Establish the finished ground levels over the site and from this determine the required level of the underside of the cover system.
2. In areas where trees are planned as part of the landscaping cover system should be increased to allow for the root ball. The dimensions of the tree pit (if required) are to be specified by a qualified arboriculturist in conjunction with the landscape architect.
3. Check the level of the ground surface to ensure that it is at the correct level for the underside of the cover system.
4. Any imported or site won subsoil and imported Topsoil should be stored on site in stockpiles on a geotextile break layer,
5. Install the high visibility geotextile layer.
6. Place the 450mm (minimum) of Subsoil and/or Topsoil, (of which a minimum 150mm is to be Topsoil) and verify the thickness (Hydrock are to be called to validate – minimum 48 hours' notice)

All soils moved and placed as a cover system need to be transported and stored with care to prevent cross contamination. This will include (but not be limited to):

- The stockpiling of soils on a geotextile separator layer;
- Using dedicated plant to move the cover system soil, or washing plant thoroughly before use to move cover system soils;
- Minimising tracking over contaminated soils;
- Separating clean and dirty areas of the site; and
- Placing the soils into the final position and not pushing soils across the surface.

Further details (including recommended validation testing/sampling of the cover system) are provided in the Hydrock Remediation Strategy and Verification Plan.

Validation of remediation works must be undertaken and a verification report submitted to the LPA and NHBC for review.

Appendix A Drawings

Archel Homes

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Do not scale other than for Local Authority Planning purposes.

This drawing contains the supporting layout information, and should be read in conjunction with drawing 01, which is the presentation drawing.

LEGEND

- Proposed trees and landscaping - shown indicatively - refer to Landscape Architects' details
- Existing Building To Be Removed
- bs cs — Bin store/Cycle store
- Approx position of Dry Riser, to be agreed.
- Vehicle Charging Point
- pr — Pumping Room
- ss — Sub Station

REFUSE STRATEGY:

The refuse strategy and provision has been designed in accordance with Reading Borough Council - Waste Management Guidelines for Property Developers, Architects, Planners andContractors.

Communal Refuse storage is provided for apartments.

Refuse Capacities

Apartments 5 flats per 1100L on a fortnightly collection
or 10 flats per 1100L on a weekly collection.

Collection frequency to be determined by Reading Borough Council.

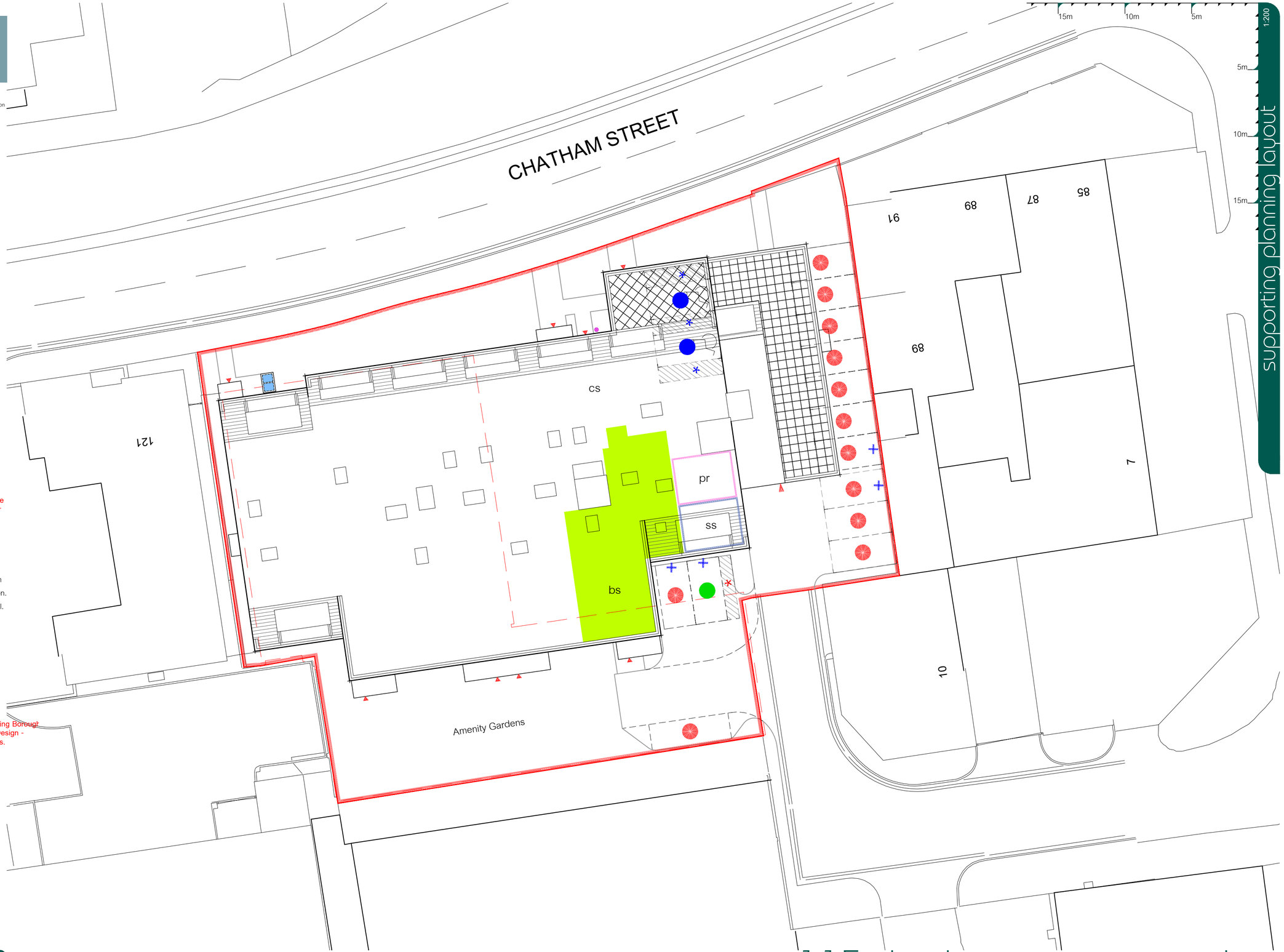
Apartment refuse and recycling to be stored in 1100L Eurobins

- Private refuse storage location for individual unit

LEGEND - PARKING ALLOCATION

The parking provision has been designed in accordance with Reading Borough Local Development Framework - Revised Parking Standards and Design - dated 31st October 2011 and Local Authority Highways Discussions.

- 12 — Apartment Residents - Unallocated
- 1 — M4(2) compliant communal parking space
- 2 — M4(3) compliant communal parking space
- M4(2) compliant communal parking space incorporating future access space
- M4(3) compliant communal parking space incorporating future access space



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115 chatham street, reading

rev	date	by	details
B	11.06.21	KA	Updated to incorporate LA comments
A	06.05.21	KA	Site boundary altered at request of LA

Supporting Planning Layout

23.02.2021 created
1:200 @ A2 scaling
SM/KA contact

reference 022014-ARC-02 B revision

OS NORTH

CHATHAM STREET

91

68

68

121

10

HP1

WS126

WS10

WS123

WS122

Stockpile

WS125

WS7

WS121

WS124

WS6

Stockpile

WS114

HP203

WS118

WS119

HP204

BH1

WS117A

WS117

HP208

WS120

WS1

Amenity Gardens

WS115

WS110

HP209A

HP209

WS116

WS5

WS113

HP201

WS101

WS3

WS102

HP210

WS103

HP202

WS104

WS112

WS9

WS111

WS4

WS105

WS107

Site office/Welfare Units

HP205

HP206

WS2

HP207

WS8

WS109

Legend:

- Historical Borehole
- Historical Window Sample
- Historical Hand pit
- Dynamic Sampler Borehole (June 2023)

Notes:

1. Drawing based on Layout Plan 022014, dated Feb 2021
2. Soft landscaping areas based on Aspect Landscape Planning, Landscape Strategy Plan, ref: 7396/ASP3, dated Feb 2021
3. Historical exploratory locations based on Enzxgo, Site Plan, ref: CRM.1265.024.GE.D.001.A, dated Dec 2020.

REVISIONS

Rev	Date	Description	By	Ckd	App
P01	12/07/23	First Issue.	SPD	LC	AJ

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CLIENT
ORIEL HOUSING LTD

PROJECT
115 CHATHAM STREET,
READING

TITLE
EXPLORATORY HOLE LOCATION PLAN

HYDROCK PROJECT NO.	SCALE @ A3
19411	1:200

STATUS DESCRIPTION	STATUS
INFORMATION	S2

DRAWING NO. (PROJECT CODE-ORGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	REVISION
19411-HYD-XX-XX-DR-GE-1001	P01

CHATHAM STREET

91

68

68

121

10

HP1

WS10

WS7

WS1

WS6

WS5

WS3

HP201

HP210

HP202

WS9

WS4

HP203

HP204

BH1

HP205

HP206

WS2

HP208

HP209A

HP209

HP207

WS8

Amenity Gardens

Legend:

- Historical Borehole
- Historical Window Sample
- Historical Hand pit
- Soft Landscaping Area
- Hazardous Waste
- Human Health GAC Exceedance

Notes:

1. Drawing based on Layout Plan 022014, dated Feb 2021
2. Soft landscaping areas based on Aspect Landscape Planning, Landscape Strategy Plan, ref: 7396/ASP3, dated Feb 2021
3. Historical exploratory locations based on Enzxgo, Site Plan, ref: CRM.1265.024.GE.D.001.A, dated Dec 2020.

REVISIONS

Rev	Date	Description	By	Ckd	App
P02	22/03/22	Ammended to show human health exceedance and hazardous waste classification	DAP	AJ	AJ
P01	12/05/21	First Issue.	DAP	AJ	AJ

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CLIENT
ORIEL HOUSING LTD

PROJECT
115 CHATHAM STREET,
READING

TITLE
REMEDIATION PLAN

HYDROCK PROJECT NO.	SCALE @ A3
C-19411-C	1:200

STATUS DESCRIPTION	STATUS
INFORMATION	S2

DRAWING NO. (PROJECT CODE-ORGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	REVISION
19411-HYD-XX-XX-DR-G-1004	P02

Appendix B Exploratory Hole Logs

Hydrock

Project: Chatham Street

Borehole No
WS101
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470882.56, 173504.98	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	50%	0.00 - 0.35	ES			Grey slightly sandy subangular to angular GRAVELS of concrete and brick. (MADE GROUND)	0.35	(0.35)			
			0.50 - 1.00	ES			Brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of brick, flint, ceramic and bitumen. (MADE GROUND)					
1.00 - 2.00	77mm	70%	1.00	SPT	N=7 (1,1,1,2,2,2)				(2.10)			
			1.50 - 2.00	ES								
2.00 - 3.00	67mm	80%	2.00	SPT	N=7 (1,1,1,1,1,4)			2.45				
			2.50 - 3.00	ES			Orange brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER)		(0.55)			
			3.00	SPT	N=29 (3,5,7,7,7,8)		End of Borehole at 3.00m	3.00				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS102
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470883.20, 173500.86	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	70%					Grey and reddish brown gravelly fine to coarse SAND. Gravel is subangular to angular fine to coarse of concrete and brick. (MADE GROUND)	0.40	(0.40)			
			0.50 - 0.80	ES			Brown gravelly fine to coarse SAND with occasional subangular cobbles of brick and concrete. Gravel is subangular to angular fine to coarse of brick, concrete, flint and clinker. (MADE GROUND)	0.80	(0.40)			
			0.80 - 1.00	ES			(Very soft) brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint and brick. Sand is fine. (MADE GROUND)	1.00	(0.20)			
1.00 - 2.00	77mm	65%	1.00	SPT	N=12 (2,3,3,3,3,3)							
			1.00 - 1.70	ES			Brown slightly clayey gravelly fine to coarse SAND. Gravel is subangular to angular fine to coarse of brick and flint. (MADE GROUND)	1.70	(0.70)			
			1.70 - 2.00	ES			Orange brown slightly gravelly fine and medium SAND. Gravel is subangular fine and medium of flint. (TAPLOW GRAVEL MEMBER)	1.80	(0.10)			
2.00 - 3.00	67mm	0%	2.00	SPT	N=20 (4,4,4,5,5,6)		Medium dense orange brown fine and medium SAND. (TAPLOW GRAVEL MEMBER)	2.00	(0.20)			
							No recovery. (NO RECOVERY)		(1.00)			
							End of Borehole at 3.00m	3.00				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. No recovery between 2.00 - 3.00m bgl 3. Hole collapsed to 1.60m bgl. 4. Groundwater not encountered. 5. Borehole backfilled with arisings from 0.00m to 1.00m bgl and bentonite from 1.00m to 1.60m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock	Project: Chatham Street	Borehole No WS103 Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470880.62, 173497.98	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	90%	0.00 - 0.45	ES			Grey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of flint, brick and concrete. (MADE GROUND)	0.45	(0.45)			
			0.65 - 0.80	ES			Brown slightly clayey gravelly fine to coarse SAND. Gravel is subangular to rounded of flint. (MADE GROUND)	0.55	(0.10)			
			0.80 - 1.00	ES			Pinkish grey slightly gravelly fine to coarse SAND. Gravel is subangular fine and medium. (MADE GROUND)	0.65	(0.10)			
1.00 - 2.00	77mm	60%	1.00	SPT	N=6 (1,1,1,1,2,2)		Dark brown gravelly clayey fine to medium SAND. Gravel is subangular fine to coarse of flint, brick and bitumen. (MADE GROUND)	0.80	(0.15)			
			1.65 - 2.00	ES			Soft brown slightly sandy gravelly CLAY. Gravel is subangular to rounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER) *... Between 0.80m and 1.65m bgl: Stratum slightly damp.*	1.65	(0.85)			
2.00 - 3.00	67mm	75%	2.00	SPT	N=20 (3,5,5,5,5,5)		Medium dense orange brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	3.00	(1.35)			
			2.50 - 3.00	ES								
			3.00	SPT	N=24 (1,3,4,8,7,5)		End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS104
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470883.77, 173496.49	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	85%	0.00 - 0.45	ES			Grey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of flint, brick and concrete. (MADE GROUND)	0.45	(0.45)			
			0.45 - 0.70	ES			Dark brown gravelly clayey fine and medium SAND. Gravel is subangular of flint, brick, glass and bitumen. (MADE GROUND)	0.70	(0.25)			
			0.70 - 1.00	ES			(Soft) brown slightly sandy gravelly CLAY. Gravel is subangular to rounded fine to coarse of flint with rare brick. (MADE GROUND)					
1.00 - 2.00	77mm	75%	1.00	SPT	N=9 (1,1,2,3,2,2)		*... Between 0.70m and 1.20m bgl: Stratum slightly damp.*	1.20	(0.50)			
			1.50 - 2.00	ES			Light brown gravelly clayey fine and medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	1.50	(0.30)			
2.00 - 3.00	67mm	50%	2.00	SPT	N=17 (2,2,3,3,5,6)		Orange brown gravelly fine and medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER) *... From 2.00m bgl: Medium dense.*	2.50	(1.00)			
			2.50 - 3.00	ES			Medium dense to dense light yellowish brown slightly gravelly fine and medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	3.00	(0.50)			
			3.00	SPT	N=42 (6,7,9,12,12,9)		End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS105
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470884.90, 173491.99	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	85%	0.00 - 0.35	ES			Light reddish brown gravelly fine to coarse SAND. Gravel is subangular to angular fine and medium of brick, concrete and flint. (MADE GROUND)	0.35	(0.35)			
			0.50 - 0.95	ES			Yellowish brown gravelly fine to coarse SAND. Gravel is subangular fine and medium of flint and bitumen. (MADE GROUND)	0.45	(0.10)			
							Brown gravelly fine to coarse SAND. Gravel is subangular to angular fine and medium of flint. (MADE GROUND)	0.50	(0.05)			
							(Soft) dark brown sandy gravelly CLAY. Gravel is subangular medium and coarse of brick, flint, bitumen and concrete. (MADE GROUND)	0.95	(0.45)			
1.00 - 2.00	77mm	70%	1.00	SPT	0/0mm ()		Soft brown slightly sandy gravelly CLAY. Gravel is subangular to rounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER) *... At 1.20m bgl: Stratum becoming orange brown.*	1				
			1.50 - 2.00	ES					(1.25)			
2.00 - 3.00	66mm	80%	2.00	SPT	N=22 (1,3,4,6,6,6)			2				
							Medium dense orange brown gravelly fine and medium SAND. Gravel is subangular fine and medium of flint. (TAPLOW GRAVEL MEMBER)	2.20	(0.40)			
			2.60 - 2.90	ES			Light yellowish brown silty gravelly SAND. Gravel is subangular of flint and subrounded of chalk. Chalk clasts white with occasional black specks. (TAPLOW GRAVEL MEMBER)	2.60	(0.30)			
			3.00	SPT	N=41 (7,9,9,10,11,11)		Dense brown gravelly fine to coarse SAND. Gravel is subangular to angular of flint. (TAPLOW GRAVEL MEMBER)	2.90	(0.10)			
							End of Borehole at 3.00m	3.00				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS107
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 29/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470879.90, 173488.33	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	80%	0.00 - 0.30	ES			Dark grey subangular to angular fine to coarse GRAVEL of asphalt and bitumen. (MADE GROUND)	0.30	(0.30)			
							Orange brown subangular to angular fine to coarse GRAVEL of brick. (MADE GROUND) *... At 0.50m bgl: Subangular brick cobble.*	0.55	(0.25)			
			0.60 - 0.80	ES			(Soft) dark grey slightly sandy slightly gravelly CLAY with occasional pockets (1cm x 3cm) of carbonaceous material. Gravel is subangular fine to coarse of brick, bitumen, coal and flint. (MADE GROUND)	1	(0.75)			
1.00 - 2.00	77mm	80%						1.30				
			1.70 - 1.90	ES			Soft brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint and quartzite. (TAPLOW GRAVEL MEMBER) *... Below 1.50m bgl: Becoming brown.*	2	(1.30)			
2.00 - 3.00	67mm	80%	2.00	SPT	N=8 (2,1,2,2,2,2)			2.60				
			2.60 - 2.80	ES			Medium dense orangish brown fine to coarse SAND AND GRAVEL. Gravel is angular to subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	3	(0.40)			
			3.00	SPT	N=17 (2,2,2,3,5,7)		End of Borehole at 3.00m	3.00				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS109
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 29/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470877.72, 173479.64	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	80%	0.20 - 0.30	ES			Grey subangular to angular fine to coarse GRAVEL of concrete. (MADE GROUND)	0.36	(0.36)			
			0.70 - 0.75	ES			Grey subangular to angular gravelly COBBLES of brick. Gravel is subangular fine to coarse of sandstone and possible asphalt. (MADE GROUND) *... At 0.70m bgl: Dark grey 2cm thick layer of possible asphalt with a distinct hydrocarbon odour.*	0.87	(0.51)			
1.00 - 2.00	67mm	80%	1.00	SPT	N=40 (10,9,15,12,8,5)		Orangish brown very gravelly coarse SAND with rare pockets (1cm x 2cm) of light brown medium grained sand. Gravel is subangular fine to coarse of brick. (MADE GROUND)	1.60	(0.73)			
			1.64 - 1.86	ES			(Soft) brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint and quartzite. (MADE GROUND)	1.87	(0.27)			
2.00 - 3.00	47mm	80%	2.00	SPT	N=46 (8,12,12,12,12,10)		(Medium dense) to dense orangish brown fine to coarse SAND AND GRAVEL. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)	2.51	(0.64)			
			2.60 - 3.00	ES			Orangish brown very gravelly coarse SAND. Gravel is subangular fine to coarse of brick. (MADE GROUND)	2.60	(0.09)			
			3.00	SPT	N=47 (6,9,11,10,13,13)		Medium dense orangish brown clayey GRAVEL. Gravel is angular to subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	3.00	(0.40)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS110
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 29/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470876.42, 173485.83	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	80%					Grey subangular to angular fine to coarse GRAVEL of concrete, brick and asphalt. (MADE GROUND)		(0.50)			
			0.30 - 0.50	ES				0.50				
			0.70 - 0.90	ES			(Firm) brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint and brick. (MADE GROUND)					
1.00 - 2.00	77mm	80%	1.00	SPT	N=1 (0,1,0,1,0,0)		*... At 1.00m bgl: Becoming very soft.*	1	(1.00)			
								1.50				
			1.70 - 1.90	ES			Firm orangish brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint and quartzite. (TAPLOW GRAVEL MEMBER)					
2.00 - 3.00	67mm	80%	2.00	SPT	N=11 (2,2,2,3,3,3)			2	(1.50)			
			2.60 - 2.90	ES								
			3.00	SPT	N=29 (3,8,8,7,6,8)			3.00				
							End of Borehole at 3.00m	3				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS111
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470877.73, 173492.13	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%					Pinkish grey gravelly fine and medium SAND. Gravel is subangular to subrounded of flint, concrete and brick. (MADE GROUND)	0.20	(0.20)			
			0.25 - 0.65	ES			Grey to dark grey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse concrete, bitumen/clinker. (MADE GROUND)	0.25	(0.05)			
			0.65 - 1.00	ES			Dark brown and red gravelly fine to coarse SAND with yellow fine and medium sand and occasional subangular cobbles of redbrick and concrete. Gravel is angular to subangular of brick, flint and concrete. (MADE GROUND)	0.65	(0.40)			
1.00 - 2.00	77mm	55%	1.00	SPT	N=4 (1,1,1,1,1,1)		Dark brown clayey gravelly fine and medium SAND with rare rootlets and black peat. Gravel is subangular to subrounded fine to coarse of brick, flint and rare chalk. (MADE GROUND)	1	(0.75)			
			1.50 - 2.00	ES			(Soft) brown slightly gravelly sandy CLAY with rare fine brick. Gravel is subangular to subrounded fine and medium of flint. (MADE GROUND)	1.40 / 1.50	(0.10)			
2.00 - 3.00	67mm	80%	2.00	SPT	N=19 (2,2,3,5,5,6)		Soft brown slightly gravelly sandy CLAY. Gravel is subangular to rounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER) *... Between 1.50m and 2.20m bgl: Stratum slightly damp.*	2	(0.70)			
			2.50 - 3.00	ES			Orange brown gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.20	(0.80)			
			3.00	SPT	N=23 (3,6,5,6,6,6)		End of Borehole at 3.00m	3.00 / 3				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS112
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: LC	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470877.57, 173495.09	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	90%	0.00 - 0.30	ES			Grey brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of flint, brick, concrete and clinker. (MADE GROUND)					
			0.30	ASB			*... at 0.30m bgl: 0.10mm fragment of board. Bulk sample taken*		(0.50)			
			0.50 - 0.90	ES			*... at 0.45 to 0.50m bgl: Subangular concrete cobble.*	0.50				
							Dark brown clayey gravelly fine and medium SAND. Gravel is subangular to subrounded fine to coarse of brick, flint and clinker. (MADE GROUND)		(0.40)			
1.00 - 2.00	77mm	50%	1.00	SPT	N=8 (1,3,3,2,2,1)			0.90				
			1.00 - 1.70	ES			Brown gravelly fine to coarse SAND. Gravel is subangular fine to coarse of limestone. (MADE GROUND)	1	(0.80)			
							Orange brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	1.70				
2.00 - 3.00	67mm	40%	2.00	SPT	N=5 (0,1,1,1,2,1)			2	(1.30)			
			2.50 - 3.00	ES								
			3.00	SPT	N=5 (1,1,1,1,2,1)			3.00				
							End of Borehole at 3.00m	3				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS113
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470876.89, 173500.27	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	60%	0.00 - 0.50	ES			Grey subangular to angular fine to coarse GRAVEL of concrete, asphalt and plastic. (MADE GROUND)					
			0.50 - 1.00	ES			(Firm) brown gravelly CLAY. Gravel is subangular to rounded fine to coarse of brick, quartz and flint. (MADE GROUND)		(0.85) (0.65)			
								0.85				
1.00 - 2.00	77mm	0%	1.00	SPT	N=13 (1,1,3,2,4,4)		No recovery of soil - can be inferred as Made Ground as this is encountered above and below. (MADE GROUND)	1.00	(1.00)			
2.00 - 3.00	77mm	70%	2.00	SPT	N=1 (1,2,0,0,0,1)		(Firm) dark brown slightly gravelly sandy CLAY with rare rootlets. Gravel is subangular fine to coarse of flint and brick. (MADE GROUND)	2.00	(0.85)			
			2.40 - 2.70	ES								
			2.85 - 3.00	ES				2.85				
							Light brown clayey GRAVEL. Gravel is angular to subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	3.00	(0.15)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. Groundwater not encountered. 3. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS114
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470869.37, 173499.22	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	95%	0.00 - 0.40	ES			Grey subangular to angular fine to coarse GRAVEL of concrete and brick. (MADE GROUND)		(0.56)			
			0.60 - 0.80	ES				0.56				
1.00 - 2.00	77mm	85%	1.00	SPT	N=8 (2,2,2,2,2,2)		(Firm) dark brown and dark grey mottled CLAY with gravel of brick, metal and asphalt. (MADE GROUND)	1	(1.24)			
			1.40 - 1.70	ES				1.80				
2.00 - 3.00	57mm	80%	2.00	SPT	N=23 (4,5,6,5,6,6)		Light brown clayey sandy subangular fine to coarse GRAVEL of flint with occasional pockets (2cm x 5cm average) pockets of dark brown very gravelly clay. (TAPLOW GRAVEL MEMBER)	2	(1.20)			
			2.40 - 2.80	ES				3.00				
			3.00	SPT	N=23 (5,6,6,5,6,6)		End of Borehole at 3.00m	3				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS115
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 27/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470871.84, 173489.88	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	90%					Brownish grey slightly clayey very gravelly subangular fine to coarse GRAVEL of concrete, brick and flint. (MADE GROUND)		(0.50)			
			0.30 - 0.60	ES			*... From 0.45m to 0.50m bgl: Grey ash layer.*	0.50				
			0.60 - 0.85	ES			(Firm) dark grey mottled brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse flint and brick, metal and plastic and possible asphalt. (MADE GROUND)					
1.00 - 2.00	57mm	70%	1.00	SPT	N=6 (2,2,1,3,1,1)			1	(0.90)			
							(Firm) brown gravelly CLAY. Gravel is subangular fine to coarse of flint. (MADE GROUND)	1.40				
			1.60 - 1.80	ES					(0.30)			
							Light brown clayey GRAVEL. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)	1.70				
2.00 - 3.00	47mm	50%	2.00	SPT	N=5 (1,2,1,1,2,1)			2	(0.30)			
							(Firm) brown gravelly CLAY. Gravel is subangular fine to coarse of flint and brick. (MADE GROUND)	2.00				
									(0.50)			
							Firm brown gravelly CLAY. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.50				
			2.70 - 3.00	ES					(0.50)			
			3.00	SPT	N=34 (5,6,8,8,8,10)		End of Borehole at 3.00m	3.00				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS116
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470872.72, 173478.77	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	90%	0.20 - 0.40	ES			Light grey gravelly coarse grained SAND. Gravel is subangular fine to coarse of brick, concrete, ceramic, slate and asphalt. (MADE GROUND)	0.71	(0.71)			
			0.80 - 1.00	ES			(Firm) brown gravelly CLAY with rare fine to medium gravel sized fragments of brick. Gravel is subangular fine to coarse of flint. (MADE GROUND)	1.75	(1.04)			
1.00 - 2.00	77mm	80%	1.00	SPT	N=5 (1,1,1,1,1,2)							
			1.40 - 1.60	ES								
			1.75 - 2.00	ES			Firm brown slightly sandy gravelly CLAY. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.00	(0.25)			
			2.00	SPT	50/280mm (9,14,14,15,16,5)		End of Borehole at 2.00m					

General Remarks:
1. Borehole terminated at 2.00m bgl. 2. CPT completed at base from 2.00m to 2.43m bgl. 3. Groundwater not encountered. 3. Borehole backfilled with arisings from 0.00m to 1.00m bgl and bentonite from 1.00m to 2.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS117
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Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470864.06, 173483.96	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%					Brownish grey slightly clayey very gravelly subangular fine to coarse GRAVEL of concrete, brick, glass, wire and flint. (MADE GROUND)		(0.60)			
			0.30 - 0.50	ES				0.60				
			0.70 - 0.90	ES			(Firm) dark brown slightly sandy gravelly CLAY with occasional cobbles of brick and a strong hydrocarbon odour. Gravel is angular brick, concrete, flint and asphalt. (MADE GROUND)					
1.00 - 1.50	77mm	60%	1.00	SPT	N=26 (1,2,5,7,5,9)			1	(0.90)			
			1.50	SPT	N=34 (5,5,7,9,9,9)			1.50				
							End of Borehole at 1.50m					

2
3
4
5
6

General Remarks:
1. Borehole terminated at 1.50m bgl due to refusal. 2. CPT completed at base from 1.50m to 1.95m bgl. 3. Groundwater not encountered. 3. Borehole backfilled with arisings from 0.00m to 0.50m bgl and bentonite from 0.50m to 1.50m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS117A
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470863.10, 173484.55	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.30 - 0.60	ES			Brownish grey slightly clayey subangular fine to coarse GRAVEL of concrete, brick, glass, plastic and flint. (MADE GROUND)	0.60	(0.60)			
			0.70 - 1.00	ES			(Firm) dark brown slightly sandy gravelly CLAY with occasional cobbles of brick and strong hydrocarbon odour. Gravel is angular brick, concrete, flint and asphalt. (MADE GROUND)	1.10	(0.50)			
			1.00	SPT	N=6 (1,1,1,1,2,2)							
			1.20 - 1.40	ES			(Firm) brown mottled dark grey slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of flint and brick. (MADE GROUND)	1.40	(0.30)			
							Firm brown very gravelly CLAY. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.00	(0.60)			
			2.00	SPT	N=12 (1,2,3,3,3,3)							
			2.00 - 2.40	ES			Medium dense light brown clayey subangular fine to coarse GRAVEL of flint. (TAPLOW GRAVEL MEMBER)	3.00	(1.00)			
			3.00	SPT	N=21 (2,4,4,4,6,7)		End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS118
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470864.36, 173492.45	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%	0.30 - 0.60	ES			Light grey slightly clayey very gravelly coarse grained SAND. Gravel is angular to subangular fine to coarse of brick, concrete, wire and slate. (MADE GROUND)	0.60	(0.60)			
			0.60 - 0.90	ES			Black slightly gravelly clayey SAND. Sand is medium grained of ash. Gravel is angular fine to coarse of brick and concrete. (MADE GROUND)	0.90	(0.30)			
1.00 - 2.00	77mm	75%	1.00	SPT	N=3 (1,0,1,0,1,1)		(Firm) brown sandy slightly gravelly CLAY with occasional dark grey clay pockets (2cm x 5cm average). Gravel is subangular fine to medium of brick. (MADE GROUND)	1.80	(0.90)			
			1.00 - 1.50	ES								
2.00 - 3.00	67mm	80%	2.00	SPT	N=13 (2,2,2,3,3,5)		Loose to medium dense orangish brown clayey very gravelly coarse SAND. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2	(1.20)			
			2.20 - 2.40	ES			*... From 2.80m to 2.90m bgl: Band of brown sandy clay.*	3.00				
			3.00	SPT	N=7 (2,2,2,2,1,2)		End of Borehole at 3.00m	3				
								4				
								5				
								6				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS119
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470859.82, 173487.34	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%					Light grey slightly clayey very gravelly subangular fine to coarse GRAVEL of concrete, brick, glass, wire and flint. (MADE GROUND)	0.50	(0.50)			
			0.30 - 0.60	ES			Dark grey clayey subangular fine to coarse GRAVEL of brick, concrete, slate and flint. (MADE GROUND)	1.00	(0.50)			
			0.70 - 0.90	ES								
1.00 - 2.00	77mm	90%	1.00	SPT	N=4 (1,1,1,1,1,1)		(Soft) brown mottled dark grey sandy slightly gravelly CLAY with occasional pockets (5mm x 10mm average) of carbonaceous material. Gravel is subangular fine to medium of brick. (MADE GROUND)	1.60	(0.60)			
			1.10 - 1.30	ES								
							Firm brown slightly sandy gravelly CLAY. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.00	(0.40)			
2.00 - 3.00	67mm	70%	2.00	SPT	N=12 (1,3,2,2,3,5)		Medium dense brown clayey very gravelly coarse SAND. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)		(0.80)			
			2.50 - 2.80	ES			*... From 2.60m to 2.70m bgl: Band of brown gravelly clay.*	2.80				
			3.00	SPT	N=38 (2,9,12,10,10,6)		Structureless CHALK composed of cream slightly clayey subangular fine to coarse GRAVEL. Chalk clasts are very weak low density. (SEAFORD AND NEWHAVEN CHALK FORMATION)	3.00	(0.20)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS120
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470861.14, 173477.27	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	80%	0.20 - 0.40	ES			Brownish grey slightly clayey very gravelly subangular fine to coarse GRAVEL of concrete, brick, asphalt, wire and flint. (MADE GROUND)	0.80	(0.80)			
1.00 - 2.00	77mm	85%	1.00	SPT	N=12 (1,2,3,3,3,3)		(Firm) brown mottled dark grey slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of flint, chalk and brick. (MADE GROUND)	1.70	(0.90)			
			1.20 - 1.40	ES								
			1.70 - 1.90	ES			Firm brown very gravelly CLAY. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	1.85	(0.15)			
2.00 - 3.00	57mm	90%	2.00	SPT	N=29 (3,3,6,8,7,8)		Medium dense brown very gravelly coarse SAND. Gravel is subangular fine to coarse of flint. (TAPLOW GRAVEL MEMBER)	2.50	(0.65)			
			2.30 - 2.50	ES			Light brown subangular fine to coarse GRAVEL of flint. (TAPLOW GRAVEL MEMBER)	2.90	(0.40)			
			3.00	SPT	50/230mm (16,9,23,26,1,0)		Structureless CHALK composed of cream slightly clayey subangular fine to coarse GRAVEL. Chalk clasts are very weak low density. (SEAFORD AND NEWHAVEN CHALK FORMATION)	3.00	(0.10)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.25m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS121
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470852.75, 173479.25	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%	0.20 - 0.40	ES			White clayey subangular fine to coarse GRAVEL of chalk, brick and concrete with occasional pockets (1cm x 3cm average) of brown gravelly clay. (MADE GROUND)	0.65	(0.65)			
1.00 - 2.00	77mm	50%	1.00	SPT	N=15 (2,2,3,4,4,4)		Brown very clayey subangular fine to coarse GRAVEL of flint, quartzite, asphalt, plastic, brick and wire. (MADE GROUND)		(2.15)			
			1.40 - 1.60	ES								
2.00 - 3.00	57mm	70%	2.00	SPT	N=6 (1,1,1,1,2,2)		*... At 2.60m bgl: Black fibrous material 0.5cm thick.*	2.80				
			2.00 - 2.70	ES								
			3.00	SPT	N=50 (3,9,12,13,11,14)		Orangish brown slightly gravelly medium grained SAND. Gravel is subangular fine to medium of flint. (TAPLOW GRAVEL MEMBER)	3.00	(0.20)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.43m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS122
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470855.15, 173491.57	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%	0.20 - 0.40	ES			Grey slightly clayey very sandy subangular fine to coarse GRAVEL of concrete, brick, slate and flint. (MADE GROUND)	0.65	(0.65)			
			0.70 - 0.90	ES			(Firm) dark grey mottled brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of brick, coal, glass, slate and flint. (MADE GROUND)	1.50	(0.85)			
1.00 - 2.00	67mm	90%	1.00	SPT	N=9 (1,1,1,2,3,3)							
			1.50 - 1.80	ES			(Firm) brown slightly gravelly sandy CLAY. Gravel is subangular fine to coarse of flint and brick. (MADE GROUND)	2.50	(1.00)			
2.00 - 3.00	57mm	80%	2.00	SPT	N=3 (1,0,1,0,1,1)		*... From 2.00m to 2.50m bgl: Frequent gravel of subangular fine to coarse chalk.*					
			2.60 - 2.80	ES			Structureless CHALK composed of cream gravelly SILT. Chalk clasts are very weak and low density. Gravel is subangular fine to coarse of flint. (SEAFORD AND NEWHAVEN CHALK FORMATION)	3.00	(0.50)			
			3.00	SPT	N=33 (5,6,9,8,8,8)		End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS123
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470849.41, 173485.75	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	70%					Light grey slightly clayey very sandy subangular fine to coarse GRAVEL of concrete, brick, asphalt, wire, ash and flint. (MADE GROUND)					
			0.40 - 0.60	ES					(1.00)			
1.00 - 2.00	67mm	65%	1.00	SPT	N=15 (4,4,5,3,4,3)		(Firm) dark brown mottled dark grey slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint, brick, metal and chalk. (MADE GROUND)	1.00				
			1.50 - 1.70	ES								
2.00 - 3.00	57mm	80%	2.00	SPT	N=8 (1,2,2,2,1,3)				(2.00)			
			2.40 - 2.80	ES								
			3.00	SPT	N=22 (3,4,6,6,5,5)		End of Borehole at 3.00m	3.00				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS124
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470850.47, 173475.28	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	70%	0.50 - 0.70	ES			White slightly clayey very gravelly coarse grained SAND. Gravel subangular fine to coarse of chalk, brick and concrete. (MADE GROUND)		(1.00)			
							... From 0.90m to 1.00m bgl: Band of firm brown clay.	1.00				
1.00 - 2.00	77mm	80%	1.00	SPT	N=11 (1,3,3,3,3,2)		Light grey slightly clayey very sandy subangular fine to coarse GRAVEL of concrete, brick, and flint. (MADE GROUND)		(1.00)			
			1.00 - 2.00	ES								
			2.00	SPT	N=53 (1,2,3,3,4,43)		End of Borehole at 2.00m	2.00				

General Remarks:
1. Borehole terminated at 2.00m bgl. 2. CPT completed at base from 2.00m to 2.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.00m bgl and bentonite from 1.00m to 2.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS125
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470844.67, 173479.88	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	90%					White subangular fine to coarse GRAVEL of chalk, brick and concrete. (MADE GROUND)		(0.60)			
			0.40 - 0.60	ES				0.60				
			0.70 - 0.90	ES			Light grey subangular fine to coarse GRAVEL of brick and concrete. (MADE GROUND)		(0.40)			
1.00 - 2.00	77mm	80%	1.00	SPT	N=10 (1,1,2,2,3,3)			1.00				
							(Firm) brown mottled dark grey slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of brick, ceramic, glass, coal and flint. (MADE GROUND)		(0.50)			
			1.60 - 1.80	ES			Light brown subangular fine to coarse GRAVEL of brick and flint. (MADE GROUND)	1.50				
2.00 - 3.00	67mm	70%	2.00	SPT	N=26 (5,8,7,7,5,7)				(1.00)			
			2.50 - 3.00	ES			Brown gravelly medium grained SAND. Gravel is subangular fine to medium of flint. (TAPLOW GRAVEL MEMBER)	2.50	(0.50)			
			3.00	SPT	N=35 (3,4,5,7,9,14)		End of Borehole at 3.00m	3.00				

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Hydrock

Project: Chatham Street

Borehole No
WS126
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 28/06/2023	Logged By: JM	Drilled By: Topdrill Ltd
Client: Oriel Housing Ltd.	Co-ords: 470843.18, 173489.27	Checked By: AJ	Rig: Premier Rig
Hydrock Project No: 19411-GELO			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.00 - 1.00	87mm	100%	0.40 - 0.60	ES			Light grey slightly clayey very sandy subangular fine to coarse GRAVEL of concrete, brick, asphalt, plastic, ash and flint. (MADE GROUND)	0.95	(0.95)			
1.00 - 2.00	67mm	75%	1.00	SPT	N=7 (1,1,1,2,2,2)		(Firm) dark brown mottled dark grey slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint, chalk, slate, brick and metal. (MADE GROUND)	2.50	(1.55)			
			1.40 - 1.60	ES								
2.00 - 3.00	57mm	50%	2.00	SPT	N=4 (1,1,1,1,1,1)							
			2.50 - 3.00	ES			Firm orangish brown sandy slightly gravelly CLAY. Gravel is subangular to sub-rounded fine to coarse of flint and quartz. (TAPLOW GRAVEL MEMBER)	2.85	(0.35)			
			3.00	SPT	N=9 (2,3,3,2,2,2)		Light brown subangular fine to coarse GRAVEL of flint. (TAPLOW GRAVEL MEMBER)	3.00	(0.15)			
							End of Borehole at 3.00m					

General Remarks:
1. Borehole terminated at 3.00m bgl. 2. CPT completed at base from 3.00m to 3.45m bgl. 3. Groundwater not encountered. 4. Borehole backfilled with arisings from 0.00m to 1.50m bgl and bentonite from 1.50m to 3.00m bgl on completion.

Logged in general accordance with BS5930:2015

Appendix C Photographs

Site Investigation Photograph 1	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS101 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 2	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS102 liners showing soil recovered from ground level to 2.00m bgl.	

Site Investigation Photograph 3	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS103 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 4	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS104 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 5	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS105 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 6	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS111 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 7	
Date: 28/06/23	
Direction Photograph Taken: n/a.	
Description: WS112 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 8	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS107 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 9	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS109 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 10	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS110 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 11	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS113 liners showing soil encountered from ground level to 3.00m bgl.	

Site Investigation Photograph 12	
Date: 29/06/23	
Direction Photograph Taken: WS114	
Description: WS114 liners showing soil encountered from ground level to 3.00m bgl.	

Site Investigation Photograph 13	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS115 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 14	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS116 liners showing soil recovered from ground level to 2.00m bgl.	

Site Investigation Photograph 15	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS117 liners showing soil recovered from ground level to 1.50m bgl.	

Site Investigation Photograph 16	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS117A liners showing soils recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 17	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS118 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 18	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS119 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 19	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS120 liners showing soil liners recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 20	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS121 liners showing soil liners recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 21	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS122 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 22	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS123 liners showing soil recovered from ground level to 3.00m bgl.	

Site Investigation Photograph 23	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS124 liners showing soil encountered from ground level to 2.00m bgl.	

Site Investigation Photograph 24	C 
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS125 liners showing soil encountered from ground level to 3.00m bgl.	

Site Investigation Photograph 25	
Date: 29/06/23	
Direction Photograph Taken: n/a.	
Description: WS126 liners showing soil encountered from ground level to 3.00m bgl.	

Site Investigation Photograph 26	
Date: 28/06/23	
Direction Photograph Taken: North East	
Description: Site welfare and office containers situated in the south east corner of site	

Site Investigation Photograph 1	
Date: 08/09/23	
Direction Photograph Taken: North	
Description: WS117A original position (Centre), dug out.	

Site Investigation Photograph 2	
Date: 08/09/2023	
Direction Photograph Taken: North East	
Description: WS117A (Centre) dug down to 3.0m bgl into the Taplow Gravel Member	

Site Investigation Photograph 3	
Date: 08/09/2023	
Direction Photograph Taken: South	
Description: Trial pit excavated 5m to the south of WS117A to 2.80m bgl in the Taplow Gravel Member	

Site Investigation Photograph 4	
Date: 08/09/2023	
Direction Photograph Taken: South	
Description: Taplow Gravel stockpile excavated from trial pit to the south of WS117A	

Site Investigation Photograph 5	
Date: 08/09/2023	
Direction Photograph Taken: North east	
Description: Trial pit excavated 3m to the west of Ws117A down to 2.50m bgl into the Taplow Gravel Member	

Site Investigation Photograph 6	
Date: 08/09/2023	
Direction Photograph Taken: East	
Description: Trial pit excavated 1m to the east of Ws117A down to 2.90m bgl into the Taplow Gravel Member	

Site Investigation Photograph 7	
Date: 08/09/2023	
Direction Photograph Taken: West	
Description: Trial pit excavated 3.50m to the north of Ws117A down to 3.0m bgl into the Taplow Gravel Member	

Site Investigation Photograph 8	
Date: 17/11/2023	
Direction Photograph Taken: North west	
Description: WS113 hotspot area within the north east corner of site. Area reduced by 1.0m below original surface level prior to visit	

Site Investigation Photograph 9	
Date: 17/11/2023	
Direction Photograph Taken: North west	
Description: WS113 original location. Trial pit excavated to 2.0m (3.0m below original surface level)	

Site Investigation Photograph 10	
Date: 17/11/2023	
Direction Photograph Taken: N/A	
Description: Spoil heap of Made Ground material from WS113 Centre trial pit	

Site Investigation Photograph 11	
Date: 17/11/2023	
Direction Photograph Taken: N/A	
Description: Spoil heap of Taplow Gravel material from WS113 centre trial pit	

Site Investigation Photograph 12	
Date: 17/11/2023	
Direction Photograph Taken: N/A	
Description: Trial pit excavated 4m to the east of WS113 down to 1.50m (2.50m below original surface level)	

Site Investigation Photograph 13	
Date: 17/11/2023	
Direction Photograph Taken: North east	
Description: Trial pit excavated 5m south from WS113 down to 2.0m (3.10m below original surface level)	

Site Investigation Photograph 14	
Date: 17/11/2023	
Direction Photograph Taken: North east	
Description: Spoil heap of Taplow Gravel material from WS113 South trial pit	

Site Investigation Photograph 15	
Date: 17/11/2023	
Direction Photograph Taken: North west	
Description: Trial pit excavated 4m west from WS113 down to 2.60m (3.60m below original surface level)	

Site Investigation Photograph 16	
Date: 17/11/2023	
Direction Photograph Taken: South west	
Description: Spoil heap of Made Ground material (bottom left) and Taplow Gravel Material (centre) from Ws113 West	

Site Investigation Photograph 17	
Date: 17/11/2023	
Direction Photograph Taken: North	
Description: Trial pit excavated 3m North from WS113 to 2.40 (3.40m below original surface level)	

Appendix D Laboratory Test Results

Lily Cherry
Hydrock
22 Long Acre
London
WC2E 9LY

Derwentside Environmental Testing Services Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410

DETS Report No: 23-08730

Site Reference:	115 Chatham Street
Project / Job Ref:	19411
Order No:	PO27120
Sample Receipt Date:	06/07/2023
Sample Scheduled Date:	06/07/2023
Report Issue Number:	1
Reporting Date:	13/07/2023

Authorised by:

Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

4480

Soil Analysis Certificate						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS101	WS101	WS102	WS102	WS103
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.00 0 0.35	1.50 - 2.00	0.80 - 1.00	1.70 - 2.00	1.65 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661784	661785	661786	661787	661788

Determinand	Unit	RL	Accreditation	(n)	(n)		(n)	(n)
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	11.0	8.2	8.0	7.9	8.0
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.005	0.012	0.008	0.005	0.004
Arsenic (As)	mg/kg	< 2	MCERTS	6	17	15	28	25
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5	0.5	0.6	0.8	0.9
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	0.5	1.4	< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	9	16	15	19	21
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	7	19	23	13	12
Lead (Pb)	mg/kg	< 3	MCERTS	18	329	80	20	20
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	5	10	14	28	30
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	13	22	34	46	53
Zinc (Zn)	mg/kg	< 3	MCERTS	31	199	185	70	49
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)
(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

4480

Soil Analysis Certificate						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS104	WS104	WS104	WS105	WS105
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.45 - 0.70	1.50 - 2.00	2.50 - 3.00	0.50 - 0.95	1.50 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661789	661790	661791	661792	661793

Determinand	Unit	RL	Accreditation		(n)	(n)		
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected		Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.9	7.7		7.7	7.6
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1		< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.023	0.002		0.052	0.005
Arsenic (As)	mg/kg	< 2	MCERTS	19	12		26	20
Beryllium (Be)	mg/kg	< 0.5	MCERTS	1	< 0.5		2.2	0.9
W/S Boron	mg/kg	< 1	NONE	1.5	< 1		< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.3	< 0.2		1	< 0.2
Chromium (III)	mg/kg	< 2	NONE	17	10		17	23
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2		< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	42	6		69	13
Lead (Pb)	mg/kg	< 3	MCERTS	187	7		283	16
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1		1.2	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	19	14		25	25
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2		< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	37	23		39	46
Zinc (Zn)	mg/kg	< 3	MCERTS	133	23		801	61
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2		< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS105	WS111	WS111	WS112	WS112
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	ASB?	MG
Order No: PO27120	**Depth (m)**	2.60 - 2.90	0.65 - 1.00	1.50 - 2.00	0.30	0.00 - 0.30
Reporting Date: 13/07/2023	**DETS Sample No**	661794	661795	661796	661797	661798

Determinand	Unit	RL	Accreditation	(n)				(n)
Asbestos Screen (S)	N/a	N/a	ISO17025		Not Detected	Not Detected		Not Detected
pH	pH Units	N/a	MCERTS		8.0	7.8		9.6
Free Cyanide	mg/kg	< 1	NONE		< 1	< 1		< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS		0.017	0.005		0.009
Arsenic (As)	mg/kg	< 2	MCERTS		16	14		10
Beryllium (Be)	mg/kg	< 0.5	MCERTS		0.6	0.7		< 0.5
W/S Boron	mg/kg	< 1	NONE		< 1	< 1		< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS		0.2	< 0.2		< 0.2
Chromium (III)	mg/kg	< 2	NONE		13	16		12
Chromium (hexavalent)	mg/kg	< 2	NONE		< 2	< 2		< 2
Copper (Cu)	mg/kg	< 4	MCERTS		35	9		10
Lead (Pb)	mg/kg	< 3	MCERTS		122	17		44
Mercury (Hg)	mg/kg	< 1	MCERTS		< 1	< 1		< 1
Nickel (Ni)	mg/kg	< 3	MCERTS		13	17		8
Selenium (Se)	mg/kg	< 2	MCERTS		< 2	< 2		< 2
Vanadium (V)	mg/kg	< 1	MCERTS		31	34		20
Zinc (Zn)	mg/kg	< 3	MCERTS		94	44		87
Total Phenols (monohydric)	mg/kg	< 2	NONE		< 2	< 2		< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23			
Hydrock	**Time Sampled**	None Supplied	None Supplied			
Site Reference: 115 Chatham Street	**TP / BH No**	WS112	WS112			
Project / Job Ref: 19411	**Additional Refs**	MG	MG			
Order No: PO27120	**Depth (m)**	1.00 - 1.70	2.50 - 3.00			
Reporting Date: 13/07/2023	**DETS Sample No**	661799	661800			

Determinand	Unit	RL	Accreditation	(n)	(n)			
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected				
pH	pH Units	N/a	MCERTS	8.3				
Free Cyanide	mg/kg	< 1	NONE	< 1				
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.055				
Arsenic (As)	mg/kg	< 2	MCERTS	55				
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5				
W/S Boron	mg/kg	< 1	NONE	< 1				
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	5.3				
Chromium (III)	mg/kg	< 2	NONE	8				
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2				
Copper (Cu)	mg/kg	< 4	MCERTS	9				
Lead (Pb)	mg/kg	< 3	MCERTS	155				
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1				
Nickel (Ni)	mg/kg	< 3	MCERTS	7				
Selenium (Se)	mg/kg	< 2	MCERTS	< 2				
Vanadium (V)	mg/kg	< 1	MCERTS	9				
Zinc (Zn)	mg/kg	< 3	MCERTS	591				
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2				

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS101	WS101	WS102	WS102	WS103
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.00 0 0.35	1.50 - 2.00	0.80 - 1.00	1.70 - 2.00	1.65 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661784	661785	661786	661787	661788

Determinand	Unit	RL	Accreditation	(n)	(n)		(n)	(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	0.37	0.29	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	0.33	0.25	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	3.30	2.32	< 0.1	0.64	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	0.82	0.54	< 0.1	0.14	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	5.60	4.47	< 0.1	0.99	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	4.05	3.39	< 0.1	0.72	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	2.13	2.20	< 0.1	0.40	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	2.22	1.97	< 0.1	0.42	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	2.33	2.34	< 0.1	0.39	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.63	0.58	< 0.1	0.15	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	1.86	1.85	< 0.1	0.31	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	1.16	1.30	< 0.1	0.24	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.24	0.30	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.89	1	< 0.1	0.17	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	25.9	22.8	< 1.6	4.6	< 1.6

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS104	WS104	WS105	WS105	WS111
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.45 - 0.70	1.50 - 2.00	0.50 - 0.95	1.50 - 2.00	0.65 - 1.00
Reporting Date: 13/07/2023	**DETS Sample No**	661789	661790	661792	661793	661795

Determinand	Unit	RL	Accreditation	(n)				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	0.20	< 0.1	0.75	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.14	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	0.26	< 0.1	2.43	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	0.20	< 0.1	2.33	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	1.29	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	0.15	< 0.1	1.27	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.12	< 0.1	1.36	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.36	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.12	< 0.1	1.18	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.65	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.14	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.54	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	12.4	< 1.6	< 1.6

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: 115 Chatham Street	**TP / BH No**	WS111	WS112	WS112		
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG		
Order No: PO27120	**Depth (m)**	1.50 - 2.00	0.00 - 0.30	1.00 - 1.70		
Reporting Date: 13/07/2023	**DETS Sample No**	661796	661798	661799		

Determinand	Unit	RL	Accreditation		(n)	(n)		
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1		
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1		
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	2.47	< 0.1		
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	2.43	< 0.1		
Phenanthrene	mg/kg	< 0.1	MCERTS	0.20	20	< 0.1		
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	5.22	< 0.1		
Fluoranthene	mg/kg	< 0.1	MCERTS	0.30	30.10	< 0.1		
Pyrene	mg/kg	< 0.1	MCERTS	0.22	21.60	< 0.1		
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	11.10	< 0.1		
Chrysene	mg/kg	< 0.1	MCERTS	0.15	10.80	< 0.1		
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.11	11.40	< 0.1		
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	3.68	< 0.1		
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	8.64	< 0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	5.18	< 0.1		
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	1.35	< 0.1		
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	4	< 0.1		
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	138	< 1.6		

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS101	WS101	WS102	WS102	WS103
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.00 0 0.35	1.50 - 2.00	0.80 - 1.00	1.70 - 2.00	1.65 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661784	661785	661786	661787	661788

Determinand	Unit	RL	Accreditation	(n)	(n)		(n)	(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	183	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	183	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	8	10	< 3	4	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	30	34	< 10	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	38	44	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	222	< 60	< 60	< 60	< 60

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS104	WS104	WS104	WS105	WS105
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.45 - 0.70	1.50 - 2.00	2.50 - 3.00	0.50 - 0.95	1.50 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661789	661790	661791	661792	661793

Determinand	Unit	RL	Accreditation		(n)	(n)		
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	10	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	31	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	41	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS105	WS111	WS111	WS112	WS112
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	2.60 - 2.90	0.65 - 1.00	1.50 - 2.00	0.00 - 0.30	1.00 - 1.70
Reporting Date: 13/07/2023	**DETS Sample No**	661794	661795	661796	661798	661799

Determinand	Unit	RL	Accreditation	(n)			(n)	(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	85	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	85	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	7	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	70	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	151	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	13	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	242	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	327	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08730	**Date Sampled**	30/06/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS112				
Project / Job Ref: 19411	**Additional Refs**	MG				
Order No: PO27120	**Depth (m)**	2.50 - 3.00				
Reporting Date: 13/07/2023	**DETS Sample No**	661800				

Determinand	Unit	RL	Accreditation	(n)				
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01				
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05				
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2				
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2				
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3				
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10				
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10				
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30				
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01				
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05				
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3				
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10				
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10				
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30				
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60				

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS101	WS101	WS102	WS102	WS103
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.00 0 0.35	1.50 - 2.00	0.80 - 1.00	1.70 - 2.00	1.65 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661784	661785	661786	661787	661788

Determinand	Unit	RL	Accreditation	(n)	(n)		(n)	(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS104	WS104	WS104	WS105	WS105
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	0.45 - 0.70	1.50 - 2.00	2.50 - 3.00	0.50 - 0.95	1.50 - 2.00
Reporting Date: 13/07/2023	**DETS Sample No**	661789	661790	661791	661792	661793

Determinand	Unit	RL	Accreditation		(n)	(n)		
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08730	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS105	WS111	WS111	WS112	WS112
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	MG
Order No: PO27120	**Depth (m)**	2.60 - 2.90	0.65 - 1.00	1.50 - 2.00	0.00 - 0.30	1.00 - 1.70
Reporting Date: 13/07/2023	**DETS Sample No**	661794	661795	661796	661798	661799

Determinand	Unit	RL	Accreditation					
				(n)			(n)	(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08730	**Date Sampled**	30/06/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS112				
Project / Job Ref: 19411	**Additional Refs**	MG				
Order No: PO27120	**Depth (m)**	2.50 - 3.00				
Reporting Date: 13/07/2023	**DETS Sample No**	661800				

Determinand	Unit	RL	Accreditation	(n)				
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5				
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5				

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08730		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: 115 Chatham Street		**TP / BH No**	WS101					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: PO27120		**Depth (m)**	0.00 0 0.35					
Reporting Date: 13/07/2023		**DETS Sample No**	661784					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	0.5			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	2.40			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	192			500	--	--
Total PAH[MU]	mg/kg	< 1.7	26.2			100	--	--
pH[MU]	pH Units	N/a	11.0			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.4			--	To be evaluated	To be evaluated
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**	
Arsenic[U]			< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]			0.08	0.04		0.4	20	100	300
Cadmium[U]			< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]			0.077	0.018		0.25	0.5	10	70
Copper[U]			0.03	< 0.01		< 0.5	2	50	100
Mercury[U]			< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]			0.017	0.005		< 0.1	0.5	10	30
Nickel[U]			< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]			< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]			< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]			< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]			0.020	< 0.005		< 0.2	4	50	200
Chloride[U]			15	3		46	800	15000	25000
Fluoride[U]			< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]			1767	300		4727	**1000**	20000	50000
TDS			2060	317		5217	**4000**	60000	100000
Phenol Index[U]			< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]			16.7	10.5		112	500	800	1000
Leach Test Information									
Sample Mass (kg)			0.18						
Dry Matter (%)			97.7						
Moisture (%)			2.4						
Stage 1									
Volume Eluate L2 (litres)			0.35						
Filtered Eluate VE1 (litres)			0.21						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepencies with current legislation
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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08730		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: 115 Chatham Street		**TP / BH No**	WS102					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: PO27120		**Depth (m)**	0.80 - 1.00					
Reporting Date: 13/07/2023		**DETS Sample No**	661786					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	0.8			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	3.50			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	< 1.7			100	--	--
pH[MU]	pH Units	N/a	8.0			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1			--	To be evaluated	To be evaluated
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**	
Arsenic[U]			< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]			< 0.02	< 0.02		< 0.1	20	100	300
Cadmium[U]			< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]			< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]			< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]			< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]			0.029	0.011		0.1	0.5	10	30
Nickel[U]			< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]			< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]			< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]			< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]			< 0.005	0.007		< 0.2	4	50	200
Chloride[U]			3	3		32	800	15000	25000
Fluoride[U]			< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]			6	2		24	1000	20000	50000
TDS			111	42		467	4000	60000	100000
Phenol Index[U]			< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]			3.7	16.1		153	500	800	1000
Leach Test Information									
Sample Mass (kg)			0.20						
Dry Matter (%)			87.5						
Moisture (%)			14.4						
Stage 1									
Volume Eluate L2 (litres)			0.32						
Filtered Eluate VE1 (litres)			0.12						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08730		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: 115 Chatham Street		**TP / BH No**	WS104					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: PO27120		**Depth (m)**	0.45 - 0.70					
Reporting Date: 13/07/2023		**DETS Sample No**	661789					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	2.3			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	4.40			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	< 1.7			100	--	--
pH[MU]	pH Units	N/a	7.9			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1			--	To be evaluated	To be evaluated
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**	
Arsenic[U]			< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]			0.04	0.02		0.2	20	100	300
Cadmium[U]			< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]			< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]			< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]			< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]			0.054	0.014		0.2	0.5	10	30
Nickel[U]			< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]			< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]			0.029	0.014		0.16	**0.06**	0.7	5
Selenium[U]			< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]			0.009	0.008		< 0.2	4	50	200
Chloride[U]			2	3		26	800	15000	25000
Fluoride[U]			< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]			40	10		133	1000	20000	50000
TDS			158	89		955	4000	60000	100000
Phenol Index[U]			< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]			16.2	13.8		141	500	800	1000
Leach Test Information									
Sample Mass (kg)			0.20						
Dry Matter (%)			88.4						
Moisture (%)			13.2						
Stage 1									
Volume Eluate L2 (litres)			0.33						
Filtered Eluate VE1 (litres)			0.17						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08730		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: 115 Chatham Street		**TP / BH No**	WS111					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: PO27120		**Depth (m)**	0.65 - 1.00					
Reporting Date: 13/07/2023		**DETS Sample No**	661795					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	1.7			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	4.30			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	< 1.7			100	--	--
pH[MU]	pH Units	N/a	8.0			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1			--	To be evaluated	To be evaluated
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**	
Arsenic[U]			0.03	< 0.01		< 0.2	0.5	2	25
Barium[U]			< 0.02	< 0.02		< 0.1	20	100	300
Cadmium[U]			< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]			< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]			< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]			< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]			0.024	0.006		< 0.1	0.5	10	30
Nickel[U]			< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]			< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]			0.014	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]			< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]			< 0.005	< 0.005		< 0.2	4	50	200
Chloride[U]			5	3		35	800	15000	25000
Fluoride[U]			< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]			44	6		83	1000	20000	50000
TDS			208	88		946	4000	60000	100000
Phenol Index[U]			< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]			7.1	14		136	500	800	1000
Leach Test Information									
Sample Mass (kg)			0.20						
Dry Matter (%)			88.9						
Moisture (%)			12.6						
Stage 1									
Volume Eluate L2 (litres)			0.33						
Filtered Eluate VE1 (litres)			0.10						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepencies with current legislation
M Denotes MCERTS accredited test
U Denotes ISO17025 accredited test

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Bulk Analysis Certificate						
DETS Report No: 23-08730	**Date Sampled**	30/06/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS112				
Project / Job Ref: 19411	**Additional Refs**	ASB?				
Order No: PO27120	**Depth (m)**	0.30				
Reporting Date: 13/07/2023	**DETS Sample No**	661797				

Determinand	**Unit**	**RL**	**Accreditation**					
Asbestos Type (S)	PLM Result	N/a	**ISO17025**	Not Detected				
Sample Matrix (S)	Material Type	N/a	NONE	Board				

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification) that is in accordance with the Health and Safety Executive HSG 248 Appendix 2.

This report refers to samples as received, and Dets Ltd, takes no responsibility for the accuracy or competence of sampling by others.

The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

RL: Reporting Limit

Subcontracted analysis (S)

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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-08730	
Hydrock	
Site Reference: 115 Chatham Street	
Project / Job Ref: 19411	
Order No: PO27120	
Reporting Date: 13/07/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
661784	WS101	MG	0.00 0 0.35	2.3	Brown concrete with brick
661785	WS101	MG	1.50 - 2.00	10.3	Brown sandy gravel with stones and concrete
661786	WS102	MG	0.80 - 1.00	12.5	Brown sandy clay with stones and brick
661787	WS102	MG	1.70 - 2.00	7.5	Brown sandy gravel with stones
661788	WS103	MG	1.65 - 2.00	6.6	Brown sandy gravel with stones
661789	WS104	MG	0.45 - 0.70	11.6	Brown sandy clay with stones
661790	WS104	MG	1.50 - 2.00	4.9	Brown sandy gravel with stones
661791	WS104	MG	2.50 - 3.00	4.5	Brown sandy gravel with stones
661792	WS105	MG	0.50 - 0.95	16.8	Black sandy clay with stones
661793	WS105	MG	1.50 - 2.00	9.6	Light brown sandy clay with stones
661794	WS105	MG	2.60 - 2.90	8.8	Light brown sandy gravel with stones and chalk
661795	WS111	MG	0.65 - 1.00	11.1	Brown sandy clay with stones and concrete
661796	WS111	MG	1.50 - 2.00	7.1	Brown sandy clay with stones
661798	WS112	MG	0.00 - 0.30	5.2	Brown sandy gravel with stones and concrete
661799	WS112	MG	1.00 - 1.70	2.3	Brown sandy gravel with stones and concrete
661800	WS112	MG	2.50 - 3.00	5.7	Brown sandy gravel with stones

Moisture content is part of procedure E003 & is not an accredited test
Insufficient Sample I/S
Unsuitable Sample U/S

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-08730
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 13/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

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Water Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-08730
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 13/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

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List of HWOL Acronyms and Operators
DETS Report No: 23-08730
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 13/07/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym
Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
Mineral Oil (C10 - C40) (BS EN 12457-3) - EH_CU_1D_AL
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH LQM - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH LQM - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH LQM - Aliphatic >C16 - C35 - EH_CU_1D_AL
TPH LQM - Aliphatic >C35 - C44 - EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH LQM - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH LQM - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH LQM - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH LQM - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH LQM - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH LQM - Aromatic >C35 - C44 - EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH LQM - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH LQM - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH LQM - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Toluene - HS_1D_MS
Total BTEX (BS EN 12457-3) - HS_1D_MS_Total
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

Parameter	Matrix Type	Suite Reference	Expanded Uncertainity Measurement	Unit
TOC	Soil	BS EN 12457	10.4	%
Loss on Ignition	Soil	BS EN 12457	16.9	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	21.1	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	17.9	%
pH	Soil	BS EN 12457	0.282	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	19.5	%
Barium	Leachate	BS EN 12457	12.2	%
Cadmium	Leachate	BS EN 12457	17.2	%
Chromium	Leachate	BS EN 12457	20.7	%
Copper	Leachate	BS EN 12457	14.1	%
Mercury	Leachate	BS EN 12457	16.7	%
Molybdenum	Leachate	BS EN 12457	13.3	%
Nickel	Leachate	BS EN 12457	14.0	%
Lead	Leachate	BS EN 12457	12.1	%
Antimony	Leachate	BS EN 12457	16.1	%
Selenium	Leachate	BS EN 12457	15.5	%
Zinc	Leachate	BS EN 12457	14.0	%
Chloride	Leachate	BS EN 12457	15.7	%
Fluoride	Leachate	BS EN 12457	19.1	%
Sulphate	Leachate	BS EN 12457	27.6	%
TDS	Leachate	BS EN 12457	10.0	%
Phenol Index	Leachate	BS EN 12457	12.9	%
DOC	Leachate	BS EN 12457	20.4	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	16.9	%
pH	Soil	BS 3882: 2015	0.282	Units
Carbonate	Soil	BS 3882: 2015	12.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	19.8	%
Copper	Soil	BS 3882: 2015	23.2	%
Nickel	Soil	BS 3882: 2015	32.6	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%

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DETS Report No: 23-08824

Site Reference:	Chatham Street
Project / Job Ref:	19411
Order No:	None Supplied
Sample Receipt Date:	06/07/2023
Sample Scheduled Date:	06/07/2023
Report Issue Number:	1
Reporting Date:	17/07/2023

Authorised by:

Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS107	WS107	WS107	WS109	WS109
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.80	1.70 - 1.90	2.60 - 2.80	0.70 - 0.75	1.64 - 1.86
Reporting Date: 17/07/2023	**DETS Sample No**	662265	662266	662267	662268	662269

Determinand	Unit	RL	Accreditation	(n)				
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected		Not Detected	
pH	pH Units	N/a	MCERTS	7.5	8.3		10.7	
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1		< 1	
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.051	0.005		0.011	
Arsenic (As)	mg/kg	< 2	MCERTS	25	13		3	
Beryllium (Be)	mg/kg	< 0.5	MCERTS	1.5	0.7		< 0.5	
W/S Boron	mg/kg	< 1	NONE	< 1	< 1		< 1	
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2		< 0.2	
Chromium (III)	mg/kg	< 2	NONE	18	17		6	
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2		< 2	
Copper (Cu)	mg/kg	< 4	MCERTS	56	10		5	
Lead (Pb)	mg/kg	< 3	MCERTS	368	23		6	
Mercury (Hg)	mg/kg	< 1	MCERTS	1.1	< 1		< 1	
Nickel (Ni)	mg/kg	< 3	MCERTS	24	13		5	
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2		< 2	
Vanadium (V)	mg/kg	< 1	MCERTS	40	34		9	
Zinc (Zn)	mg/kg	< 3	MCERTS	205	44		15	
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2		2.6	

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)
(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS109	WS110	WS110	WS113	WS114
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	2.60 - 3.00	0.70 - 0.90	1.70 - 1.90	2.40 - 2.70	1.40 - 1.70
Reporting Date: 17/07/2023	**DETS Sample No**	662270	662271	662272	662273	662274

Determinand	Unit	RL	Accreditation	(n)				
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	8.1	7.8	7.6	7.8	7.8
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.006	0.006	0.007	0.056	0.007
Arsenic (As)	mg/kg	< 2	MCERTS	19	4	11	23	12
Beryllium (Be)	mg/kg	< 0.5	MCERTS	0.7	< 0.5	< 0.5	0.9	0.6
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	22	7	16	21	16
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	12	7	10	296	16
Lead (Pb)	mg/kg	< 3	MCERTS	13	20	24	998	74
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	6.1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	22	4	10	20	11
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	43	7	27	29	33
Zinc (Zn)	mg/kg	< 3	MCERTS	38	10	33	173	39
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS114	WS115	WS115	WS115	WS116
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	2.40 - 2.80	0.30 - 0.60	0.60 - 0.85	2.70 - 3.00	1.40 - 1.60
Reporting Date: 17/07/2023	**DETS Sample No**	662275	662276	662277	662278	662279

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Asbestos Screen (S)	N/a	N/a	ISO17025		Not Detected	Not Detected		Not Detected
pH	pH Units	N/a	MCERTS		10.1	8.1		8.0
Free Cyanide	mg/kg	< 1	NONE		< 1	< 1		< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS		0.017	0.012		0.010
Arsenic (As)	mg/kg	< 2	MCERTS		10	15		15
Beryllium (Be)	mg/kg	< 0.5	MCERTS		0.5	0.8		0.7
W/S Boron	mg/kg	< 1	NONE		3.5	< 1		1.2
Cadmium (Cd)	mg/kg	< 0.2	MCERTS		< 0.2	< 0.2		< 0.2
Chromium (III)	mg/kg	< 2	NONE		11	18		16
Chromium (hexavalent)	mg/kg	< 2	NONE		< 2	< 2		< 2
Copper (Cu)	mg/kg	< 4	MCERTS		12	22		32
Lead (Pb)	mg/kg	< 3	MCERTS		36	72		71
Mercury (Hg)	mg/kg	< 1	MCERTS		< 1	< 1		< 1
Nickel (Ni)	mg/kg	< 3	MCERTS		9	15		16
Selenium (Se)	mg/kg	< 2	MCERTS		< 2	< 2		< 2
Vanadium (V)	mg/kg	< 1	MCERTS		22	34		33
Zinc (Zn)	mg/kg	< 3	MCERTS		81	112		72
Total Phenols (monohydric)	mg/kg	< 2	NONE		< 2	< 2		< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS116	WS117	WS117A	WS117A	WS117A
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	1.75 - 2.00	0.70 - 0.90	0.70 - 1.00	1.20 - 1.40	2.00 - 2.40
Reporting Date: 17/07/2023	**DETS Sample No**	662280	662281	662282	662283	662284

Determinand	Unit	RL	Accreditation					(n)
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected			Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.6			7.8	8.1
Free Cyanide	mg/kg	< 1	NONE	< 1			< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.004			0.008	0.001
Arsenic (As)	mg/kg	< 2	MCERTS	21			16	7
Beryllium (Be)	mg/kg	< 0.5	MCERTS	1			0.6	< 0.5
W/S Boron	mg/kg	< 1	NONE	< 1			< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2			< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	21			18	6
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2			< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	11			12	< 4
Lead (Pb)	mg/kg	< 3	MCERTS	14			17	6
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1			< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	21			12	7
Selenium (Se)	mg/kg	< 2	MCERTS	< 2			< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	44			37	14
Zinc (Zn)	mg/kg	< 3	MCERTS	41			44	18
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2			< 2	< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS118	WS118	WS119	WS119	WS120
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.90	2.20 - 2.40	1.10 - 1.30	2.50 - 2.80	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662285	662286	662287	662288	662289

Determinand	Unit	RL	Accreditation				(n)	(n)
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.3	8.0	7.1	7.9	9.8
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.106	0.006	0.037	0.004	0.067
Arsenic (As)	mg/kg	< 2	MCERTS	32	18	20	18	14
Beryllium (Be)	mg/kg	< 0.5	MCERTS	2.3	0.7	0.9	0.5	0.6
W/S Boron	mg/kg	< 1	NONE	1.5	< 1	1.9	< 1	1.3
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.8	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	21	15	17	14	27
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	107	8	80	8	20
Lead (Pb)	mg/kg	< 3	MCERTS	545	16	246	13	52
Mercury (Hg)	mg/kg	< 1	MCERTS	2.3	< 1	5.4	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	31	23	19	19	19
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	39	34	37	31	37
Zinc (Zn)	mg/kg	< 3	MCERTS	700	47	118	32	128
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS120	WS120	WS121	WS121	WS122
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.20 - 1.40	2.30 - 2.50	0.20 - 0.40	1.40 - 1.60	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662290	662291	662292	662293	662294

Determinand	Unit	RL	Accreditation					
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	8.0	8.0	11.8	10.3	10.6
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.008	0.003	0.022	0.013	0.004
Arsenic (As)	mg/kg	< 2	MCERTS	14	22	5	13	4
Beryllium (Be)	mg/kg	< 0.5	MCERTS	0.6	0.8	< 0.5	0.7	< 0.5
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	0.2	< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	16	18	21	15	8
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	52	9	44	25	7
Lead (Pb)	mg/kg	< 3	MCERTS	68	9	14	88	13
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	13	18	9	12	5
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	34	44	17	28	8
Zinc (Zn)	mg/kg	< 3	MCERTS	97	35	61	107	25
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS122	WS122	WS123	WS123	WS123
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.50 - 1.80	2.60 - 2.80	0.40 - 0.60	1.50 - 1.70	2.40 - 2.80
Reporting Date: 17/07/2023	**DETS Sample No**	662295	662296	662297	662298	662299

Determinand	Unit	RL	Accreditation			(n)		(n)
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected		Not Detected
pH	pH Units	N/a	MCERTS	7.9	8.2	10.8		8.3
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1		< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.005	0.007	0.006		0.010
Arsenic (As)	mg/kg	< 2	MCERTS	12	10	9		16
Beryllium (Be)	mg/kg	< 0.5	MCERTS	0.7	< 0.5	< 0.5		0.7
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1		< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2		< 0.2
Chromium (III)	mg/kg	< 2	NONE	17	8	16		16
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2		< 2
Copper (Cu)	mg/kg	< 4	MCERTS	9	7	8		20
Lead (Pb)	mg/kg	< 3	MCERTS	16	4	16		68
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1		< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	12	13	7		14
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2		< 2
Vanadium (V)	mg/kg	< 1	MCERTS	32	19	17		33
Zinc (Zn)	mg/kg	< 3	MCERTS	41	26	28		89
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2		< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS124	WS124	WS125	WS125	WS125
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	0.50 - 0.70	1.00 - 2.00	0.40 - 0.60	1.60 - 1.80	2.50 - 3.00
Reporting Date: 17/07/2023	**DETS Sample No**	662300	662301	662302	662303	662304

Determinand	Unit	RL	Accreditation		(n)	(n)		(n)
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	10.9	11.4	11.8	7.9	8.1
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.002	0.005	0.019	< 0.001	0.003
Arsenic (As)	mg/kg	< 2	MCERTS	< 2	5	7	< 2	30
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5	< 0.5	< 0.5	< 0.5	0.9
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	5	12	10	< 2	25
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	4	8	17	< 4	11
Lead (Pb)	mg/kg	< 3	MCERTS	4	11	17	< 3	13
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	< 3	7	7	< 3	27
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS	4	18	14	4	57
Zinc (Zn)	mg/kg	< 3	MCERTS	9	25	47	3	60
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

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Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Chatham Street	**TP / BH No**	WS126	WS126	WS126		
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT		
Order No: None Supplied	**Depth (m)**	0.40 - 0.60	2.50 - 3.00	0.40 - 0.60		
Reporting Date: 17/07/2023	**DETS Sample No**	662305	662306	662307		

Determinand	Unit	RL	Accreditation	(n)				
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected		
pH	pH Units	N/a	MCERTS	10.7	8.9	8.4		
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1		
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.006	0.008	0.004		
Arsenic (As)	mg/kg	< 2	MCERTS	8	7	15		
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5	< 0.5	0.6		
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1		
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	< 0.2		
Chromium (III)	mg/kg	< 2	NONE	13	7	20		
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2		
Copper (Cu)	mg/kg	< 4	MCERTS	9	14	10		
Lead (Pb)	mg/kg	< 3	MCERTS	19	68	16		
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1		
Nickel (Ni)	mg/kg	< 3	MCERTS	8	6	19		
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Vanadium (V)	mg/kg	< 1	MCERTS	20	14	34		
Zinc (Zn)	mg/kg	< 3	MCERTS	47	75	33		
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2		

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Subcontracted analysis (S)

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS107	WS107	WS109	WS109	WS110
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.80	1.70 - 1.90	0.70 - 0.75	2.60 - 3.00	0.70 - 0.90
Reporting Date: 17/07/2023	**DETS Sample No**	662265	662266	662268	662270	662271

Determinand	Unit	RL	Accreditation					
				(n)			(n)	
Naphthalene	mg/kg	< 0.1	MCERTS	3.94	< 0.1	1700	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	3.88	< 0.1	228	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	4.15	< 0.1	39.20	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	3.96	< 0.1	53.50	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	4.03	< 0.1	1080	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	3.76	< 0.1	294	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	3.89	< 0.1	685	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	3.95	< 0.1	552	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	4.01	< 0.1	206	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	3.91	< 0.1	217	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	3.98	< 0.1	189	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	3.65	< 0.1	48.90	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	3.86	< 0.1	173	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	4.20	< 0.1	103	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	3.47	< 0.1	23.30	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	3.63	< 0.1	76.20	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	62.3	< 1.6	5670	< 1.6	< 1.6

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS110	WS113	WS114	WS115	WS115
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.70 - 1.90	2.40 - 2.70	1.40 - 1.70	0.30 - 0.60	0.60 - 0.85
Reporting Date: 17/07/2023	**DETS Sample No**	662272	662273	662274	662276	662277

Determinand	Unit	RL	Accreditation				(n)	(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.24	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	7.81	0.18
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	8.02	0.21
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	0.21	< 0.1	59	2.40
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	15.30	0.70
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.20	0.17	68.50	4.59
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.21	0.13	49	3.29
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.35	< 0.1	23.20	2.21
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.28	< 0.1	24	1.71
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.48	< 0.1	23.30	2.11
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	8.20	0.64
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.25	< 0.1	18.40	1.66
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.18	< 0.1	11.50	1.22
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	2.76	0.21
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	0.17	< 0.1	9.48	0.70
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	2.3	< 1.6	329	21.8

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS116	WS116	WS117A	WS117A	WS118
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	1.40 - 1.60	1.75 - 2.00	1.20 - 1.40	2.00 - 2.40	0.60 - 0.90
Reporting Date: 17/07/2023	**DETS Sample No**	662279	662280	662283	662284	662285

Determinand	Unit	RL	Accreditation				(n)	
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.16	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.14
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	3.95	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	3.63	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	0.25	< 0.1	< 0.1	25	1.49
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	7.46	0.27
Fluoranthene	mg/kg	< 0.1	MCERTS	0.50	< 0.1	< 0.1	30.20	3.76
Pyrene	mg/kg	< 0.1	MCERTS	0.45	< 0.1	< 0.1	20.80	3.29
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.32	< 0.1	< 0.1	10.50	1.83
Chrysene	mg/kg	< 0.1	MCERTS	0.23	< 0.1	< 0.1	11.20	1.78
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.36	< 0.1	< 0.1	11	2.60
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	4.38	0.76
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.26	< 0.1	< 0.1	9.58	2.01
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.20	< 0.1	< 0.1	5.64	1.31
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.36	0.24
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.13	< 0.1	< 0.1	4.48	0.99
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	2.7	< 1.6	< 1.6	149	20.5

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS118	WS119	WS119	WS120	WS120
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	2.20 - 2.40	1.10 - 1.30	2.50 - 2.80	0.20 - 0.40	1.20 - 1.40
Reporting Date: 17/07/2023	**DETS Sample No**	662286	662287	662288	662289	662290

Determinand	Unit	RL	Accreditation			(n)	(n)	
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.14	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.11	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.10	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.39	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	2.25	0.23
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.61	0.22
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.12	0.18
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.85	0.13
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.08	0.15
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.34	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.85	0.14
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.69	0.13
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.37	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	10.9	< 1.6

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS120	WS121	WS121	WS122	WS122
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	MG
Order No: None Supplied	**Depth (m)**	2.30 - 2.50	0.20 - 0.40	1.40 - 1.60	0.20 - 0.40	1.50 - 1.80
Reporting Date: 17/07/2023	**DETS Sample No**	662291	662292	662293	662294	662295

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.15	3.19	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.14	3.31	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	0.70	1.10	29.70	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.21	0.37	6.70	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	1.61	2.44	32.20	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	1.17	1.91	22.40	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.80	1.40	9.02	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.63	1.10	9.27	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.79	1.44	8.31	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.26	0.45	3.35	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.67	1.29	7.82	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.56	1.28	5.07	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.18	1.07	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	0.32	0.74	3.54	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	7.7	14	145	< 1.6

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS122	WS123	WS123	WS124	WS124
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	MG
Order No: None Supplied	**Depth (m)**	2.60 - 2.80	0.40 - 0.60	2.40 - 2.80	0.50 - 0.70	1.00 - 2.00
Reporting Date: 17/07/2023	**DETS Sample No**	662296	662297	662299	662300	662301

Determinand	Unit	RL	Accreditation		(n)	(n)		(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	1.53	< 0.1	0.11	0.15
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	1.33	< 0.1	< 0.1	0.14
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	9.86	0.13	1.07	1.48
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	3.71	< 0.1	0.26	0.52
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	21.80	0.20	2.05	3.65
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	17.40	0.19	1.49	3.30
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	8.64	0.16	0.98	2.14
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	8.60	0.15	0.81	1.71
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	9.49	0.17	1	2.27
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	3.71	< 0.1	0.29	0.78
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	9.04	0.16	0.74	1.88
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	5.28	< 0.1	0.66	1.17
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	1.24	< 0.1	< 0.1	0.23
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	4.45	< 0.1	0.40	0.91
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	106	< 1.6	9.9	20.3

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS125	WS125	WS125	WS126	WS126
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	0.40 - 0.60	1.60 - 1.80	2.50 - 3.00	0.40 - 0.60	2.50 - 3.00
Reporting Date: 17/07/2023	**DETS Sample No**	662302	662303	662304	662305	662306

Determinand	Unit	RL	Accreditation	(n)		(n)		(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	0.40	0.12	< 0.1	0.16	0.14
Fluorene	mg/kg	< 0.1	MCERTS	0.35	< 0.1	< 0.1	0.14	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	2.93	0.80	< 0.1	1.43	0.82
Anthracene	mg/kg	< 0.1	MCERTS	0.77	0.21	< 0.1	0.36	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	5.62	1.47	< 0.1	3.59	1.01
Pyrene	mg/kg	< 0.1	MCERTS	3.97	1.13	< 0.1	3.18	0.85
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	2.51	0.80	< 0.1	2.17	0.47
Chrysene	mg/kg	< 0.1	MCERTS	2.02	0.59	< 0.1	1.68	0.34
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	2.64	0.76	< 0.1	2.31	0.37
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.84	0.23	< 0.1	0.65	0.15
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	2.10	0.63	< 0.1	1.84	0.34
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	1.32	0.43	< 0.1	1.65	0.19
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.25	< 0.1	< 0.1	0.22	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	1.01	0.28	< 0.1	0.95	0.14
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	26.7	7.5	< 1.6	20.3	4.8

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Soil Analysis Certificate - Speciated PAHs							
DETS Report No: 23-08824	**Date Sampled**	30/06/23					
Hydrock	**Time Sampled**	None Supplied					
Site Reference: Chatham Street	**TP / BH No**	WS126					
Project / Job Ref: 19411	**Additional Refs**	NAT					
Order No: None Supplied	**Depth (m)**	0.40 - 0.60					
Reporting Date: 17/07/2023	**DETS Sample No**	662307					

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1				
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1				
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1				
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1				
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1				
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1				
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1				
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1				
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1				
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6				

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS107	WS107	WS107	WS109	WS109
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.80	1.70 - 1.90	2.60 - 2.80	0.70 - 0.75	1.64 - 1.86
Reporting Date: 17/07/2023	**DETS Sample No**	662265	662266	662267	662268	662269

Determinand	Unit	RL	Accreditation	(n)				
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	17	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	2532	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	3	< 2	< 2	1172	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	62	< 3	< 3	2183	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	44	< 10	< 10	1417	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	57	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	109	< 30	< 30	7379	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	109	< 60	< 60	7379	< 60

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS109	WS110	WS110	WS113	WS114
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	2.60 - 3.00	0.70 - 0.90	1.70 - 1.90	2.40 - 2.70	1.40 - 1.70
Reporting Date: 17/07/2023	**DETS Sample No**	662270	662271	662272	662273	662274

Determinand	Unit	RL	Accreditation	(n)				
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	3	3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	24	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS114	WS115	WS115	WS115	WS116
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	2.40 - 2.80	0.30 - 0.60	0.60 - 0.85	2.70 - 3.00	1.40 - 1.60
Reporting Date: 17/07/2023	**DETS Sample No**	662275	662276	662277	662278	662279

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	4	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	81	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	85	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	2	6	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	31	2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	205	45	< 3	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	283	54	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	521	108	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	606	108	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS116	WS117	WS117A	WS117A	WS117A
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	1.75 - 2.00	0.70 - 0.90	0.70 - 1.00	1.20 - 1.40	2.00 - 2.40
Reporting Date: 17/07/2023	**DETS Sample No**	662280	662281	662282	662283	662284

Determinand	Unit	RL	Accreditation					(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	7	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	6	7	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	41	21	< 3	9
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	228	13	< 10	48
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	275	48	< 30	57
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	36	11	< 2	9
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	206	63	< 3	79
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	217	134	< 10	85
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	38	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	459	245	< 30	173
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	734	293	< 60	230

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS118	WS118	WS119	WS119	WS120
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.90	2.20 - 2.40	1.10 - 1.30	2.50 - 2.80	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662285	662286	662287	662288	662289

Determinand	Unit	RL	Accreditation				(n)	(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	2	2	2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	16	< 3	< 3	< 3	4
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	49	< 10	< 10	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	67	< 30	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	67	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS120	WS120	WS121	WS121	WS122
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.20 - 1.40	2.30 - 2.50	0.20 - 0.40	1.40 - 1.60	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662290	662291	662292	662293	662294

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	9
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	7	90
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	42	86
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	49	184
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	184

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS122	WS122	WS123	WS123	WS123
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.50 - 1.80	2.60 - 2.80	0.40 - 0.60	1.50 - 1.70	2.40 - 2.80
Reporting Date: 17/07/2023	**DETS Sample No**	662295	662296	662297	662298	662299

Determinand	Unit	RL	Accreditation			(n)		(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	13	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	6	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	70	< 3	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	170	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	18	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	264	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	277	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS124	WS124	WS125	WS125	WS125
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	0.50 - 0.70	1.00 - 2.00	0.40 - 0.60	1.60 - 1.80	2.50 - 3.00
Reporting Date: 17/07/2023	**DETS Sample No**	662300	662301	662302	662303	662304

Determinand	Unit	RL	Accreditation		(n)	(n)		(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	7	18	22	< 3	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	72	52	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	29	14	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	119	90	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	119	90	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Chatham Street	**TP / BH No**	WS126	WS126	WS126		
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT		
Order No: None Supplied	**Depth (m)**	0.40 - 0.60	2.50 - 3.00	0.40 - 0.60		
Reporting Date: 17/07/2023	**DETS Sample No**	662305	662306	662307		

Determinand	Unit	RL	Accreditation	(n)				
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05		
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3		
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10		
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10		
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30		
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05		
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2		
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	10	5	< 3		
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	22	< 10	< 10		
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10		
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	32	< 30	< 30		
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60		

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS107	WS107	WS107	WS109	WS109
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.80	1.70 - 1.90	2.60 - 2.80	0.70 - 0.75	1.64 - 1.86
Reporting Date: 17/07/2023	**DETS Sample No**	662265	662266	662267	662268	662269

Determinand	Unit	RL	Accreditation	(n)				
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	20	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	7	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	110	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	67	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS109	WS110	WS110	WS113	WS114
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	NAT	MG	MG
Order No: None Supplied	**Depth (m)**	2.60 - 3.00	0.70 - 0.90	1.70 - 1.90	2.40 - 2.70	1.40 - 1.70
Reporting Date: 17/07/2023	**DETS Sample No**	662270	662271	662272	662273	662274

Determinand	Unit	RL	Accreditation	(n)				
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS114	WS115	WS115	WS115	WS116
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	2.40 - 2.80	0.30 - 0.60	0.60 - 0.85	2.70 - 3.00	1.40 - 1.60
Reporting Date: 17/07/2023	**DETS Sample No**	662275	662276	662277	662278	662279

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS116	WS117	WS117A	WS117A	WS117A
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	1.75 - 2.00	0.70 - 0.90	0.70 - 1.00	1.20 - 1.40	2.00 - 2.40
Reporting Date: 17/07/2023	**DETS Sample No**	662280	662281	662282	662283	662284

Determinand	Unit	RL	Accreditation					(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	3	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	8	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	4	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS118	WS118	WS119	WS119	WS120
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	NAT	MG
Order No: None Supplied	**Depth (m)**	0.60 - 0.90	2.20 - 2.40	1.10 - 1.30	2.50 - 2.80	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662285	662286	662287	662288	662289

Determinand	Unit	RL	Accreditation				(n)	(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	4	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	3	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS120	WS120	WS121	WS121	WS122
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.20 - 1.40	2.30 - 2.50	0.20 - 0.40	1.40 - 1.60	0.20 - 0.40
Reporting Date: 17/07/2023	**DETS Sample No**	662290	662291	662292	662293	662294

Determinand	Unit	RL	Accreditation					
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS122	WS122	WS123	WS123	WS123
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	MG	MG
Order No: None Supplied	**Depth (m)**	1.50 - 1.80	2.60 - 2.80	0.40 - 0.60	1.50 - 1.70	2.40 - 2.80
Reporting Date: 17/07/2023	**DETS Sample No**	662295	662296	662297	662298	662299

Determinand	Unit	RL	Accreditation			(n)		(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	5	8	3	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	4	5	3	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	30/06/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Chatham Street	**TP / BH No**	WS124	WS124	WS125	WS125	WS125
Project / Job Ref: 19411	**Additional Refs**	MG	MG	MG	MG	NAT
Order No: None Supplied	**Depth (m)**	0.50 - 0.70	1.00 - 2.00	0.40 - 0.60	1.60 - 1.80	2.50 - 3.00
Reporting Date: 17/07/2023	**DETS Sample No**	662300	662301	662302	662303	662304

Determinand	Unit	RL	Accreditation		(n)	(n)		(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	6	6	6	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	5	8	6	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	2	5	3	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-08824	**Date Sampled**	30/06/23	30/06/23	30/06/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Chatham Street	**TP / BH No**	WS126	WS126	WS126		
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT		
Order No: None Supplied	**Depth (m)**	0.40 - 0.60	2.50 - 3.00	0.40 - 0.60		
Reporting Date: 17/07/2023	**DETS Sample No**	662305	662306	662307		

Determinand	Unit	RL	Accreditation	(n)				
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2		
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5		
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	2		
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	2	< 2	2		
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2		
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5		

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MCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

UKAS TESTING 4480

Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23		**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied		**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS107				
Project / Job Ref: 19411		**Additional Refs**	MG				
Order No: None Supplied		**Depth (m)**	0.60 - 0.80				
Reporting Date: 17/07/2023		**DETS Sample No**	662265				
Determinand	**Unit**	**MDL**					
TOC[MU]	%	< 0.1	5.1		3%	**5%**	6%
Loss on Ignition[MU]	%	< 0.01	7.40		--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05		6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1		1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10		500	--	--
Total PAH[MU]	mg/kg	< 1.7	62.3		100	--	--
pH[MU]	pH Units	N/a	7.5		--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1		--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	0.03	< 0.02		< 0.1	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]	< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	< 0.001	< 0.001		< 0.1	0.5	10	30
Nickel[U]	< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.029	0.017		< 0.2	4	50	200
Chloride[U]	6	3		27	800	15000	25000
Fluoride[U]	< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]	16	2		30	1000	20000	50000
TDS	134	70		726	4000	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	11.1	6.9		70.8	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.20						
Dry Matter (%)	89.5						
Moisture (%)	11.8						
Stage 1							
Volume Eluate L2 (litres)	0.33						
Filtered Eluate VE1 (litres)	0.07						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepencies with current legislation
M Denotes MCERTS accredited test
U Denotes ISO17025 accredited test

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824	**Date Sampled**	30/06/23		**Landfill Waste Acceptance Criteria Limits**		
Hydrock	**Time Sampled**	None Supplied		**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street	**TP / BH No**	WS115				
Project / Job Ref: 19411	**Additional Refs**	MG				
Order No: None Supplied	**Depth (m)**	0.30 - 0.60				
Reporting Date: 17/07/2023	**DETS Sample No**	662276				
Determinand	**Unit**	**MDL**				
TOC[MU]	%	< 0.1	1.7	3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	3.90	--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05	6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1	1	--	--
Mineral Oil[MU]	mg/kg	< 10	87	500	--	--
Total PAH[MU]	mg/kg	< 1.7	333	**100**	--	--
pH[MU]	pH Units	N/a	10.1	--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.9	--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	I/S	I/S		I/S	0.5	2	25
Barium[U]	I/S	I/S		I/S	20	100	300
Cadmium[U]	I/S	I/S		I/S	0.04	1	5
Chromium[U]	I/S	I/S		I/S	0.5	10	70
Copper[U]	I/S	I/S		I/S	2	50	100
Mercury[U]	I/S	I/S		I/S	0.01	0.2	2
Molybdenum[U]	I/S	I/S		I/S	0.5	10	30
Nickel[U]	I/S	I/S		I/S	0.4	10	40
Lead[U]	I/S	I/S		I/S	0.5	10	50
Antimony[U]	I/S	I/S		I/S	0.06	0.7	5
Selenium[U]	I/S	I/S		I/S	0.1	0.5	7
Zinc[U]	I/S	I/S		I/S	4	50	200
Chloride[U]	I/S	I/S		I/S	800	15000	25000
Fluoride[U]	I/S	I/S		I/S	10	150	500
Sulphate[U]	I/S	I/S		I/S	1000	20000	50000
TDS	I/S	I/S		I/S	4000	60000	100000
Phenol Index[U]	I/S	I/S		I/S	1	-	-
DOC[U]	I/S	I/S		I/S	500	800	1000
Leach Test Information							
Sample Mass (kg)	I/S						
Dry Matter (%)	I/S						
Moisture (%)	I/S						
Stage 1							
Volume Eluate L2 (litres)	I/S						
Filtered Eluate VE1 (litres)	I/S						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS115					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: None Supplied		**Depth (m)**	0.60 - 0.85					
Reporting Date: 17/07/2023		**DETS Sample No**	662277					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	1.2			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	2.90			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	22.3			100	--	--
pH[MU]	pH Units	N/a	8.1			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1			--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	I/S	I/S		I/S	0.5	2	25
Barium[U]	I/S	I/S		I/S	20	100	300
Cadmium[U]	I/S	I/S		I/S	0.04	1	5
Chromium[U]	I/S	I/S		I/S	0.5	10	70
Copper[U]	I/S	I/S		I/S	2	50	100
Mercury[U]	I/S	I/S		I/S	0.01	0.2	2
Molybdenum[U]	I/S	I/S		I/S	0.5	10	30
Nickel[U]	I/S	I/S		I/S	0.4	10	40
Lead[U]	I/S	I/S		I/S	0.5	10	50
Antimony[U]	I/S	I/S		I/S	0.06	0.7	5
Selenium[U]	I/S	I/S		I/S	0.1	0.5	7
Zinc[U]	I/S	I/S		I/S	4	50	200
Chloride[U]	I/S	I/S		I/S	800	15000	25000
Fluoride[U]	I/S	I/S		I/S	10	150	500
Sulphate[U]	I/S	I/S		I/S	1000	20000	50000
TDS	I/S	I/S		I/S	4000	60000	100000
Phenol Index[U]	I/S	I/S		I/S	1	-	-
DOC[U]	I/S	I/S		I/S	500	800	1000
Leach Test Information							
Sample Mass (kg)	I/S						
Dry Matter (%)	I/S						
Moisture (%)	I/S						
Stage 1							
Volume Eluate L2 (litres)	I/S						
Filtered Eluate VE1 (litres)	I/S						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS118					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: None Supplied		**Depth (m)**	0.60 - 0.90					
Reporting Date: 17/07/2023		**DETS Sample No**	662285					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	10.6			3%	5%	**6%**
Loss on Ignition[MU]	%	< 0.01	11.60			--	--	**10%**
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	21.2			100	--	--
pH[MU]	pH Units	N/a	7.3			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1			--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	I/S	I/S		I/S	0.5	2	25
Barium[U]	I/S	I/S		I/S	20	100	300
Cadmium[U]	I/S	I/S		I/S	0.04	1	5
Chromium[U]	I/S	I/S		I/S	0.5	10	70
Copper[U]	I/S	I/S		I/S	2	50	100
Mercury[U]	I/S	I/S		I/S	0.01	0.2	2
Molybdenum[U]	I/S	I/S		I/S	0.5	10	30
Nickel[U]	I/S	I/S		I/S	0.4	10	40
Lead[U]	I/S	I/S		I/S	0.5	10	50
Antimony[U]	I/S	I/S		I/S	0.06	0.7	5
Selenium[U]	I/S	I/S		I/S	0.1	0.5	7
Zinc[U]	I/S	I/S		I/S	4	50	200
Chloride[U]	I/S	I/S		I/S	800	15000	25000
Fluoride[U]	I/S	I/S		I/S	10	150	500
Sulphate[U]	I/S	I/S		I/S	1000	20000	50000
TDS	I/S	I/S		I/S	4000	60000	100000
Phenol Index[U]	I/S	I/S		I/S	1	-	-
DOC[U]	I/S	I/S		I/S	500	800	1000
Leach Test Information							
Sample Mass (kg)	I/S						
Dry Matter (%)	I/S						
Moisture (%)	I/S						
Stage 1							
Volume Eluate L2 (litres)	I/S						
Filtered Eluate VE1 (litres)	I/S						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS120					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: None Supplied		**Depth (m)**	0.20 - 0.40					
Reporting Date: 17/07/2023		**DETS Sample No**	662289					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	6.7			3%	5%	**6%**
Loss on Ignition[MU]	%	< 0.01	7.90			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	11.1			100	--	--
pH[MU]	pH Units	N/a	9.8			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.6			--	To be evaluated	To be evaluated
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**	
Arsenic[U]			< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]			0.07	0.06		0.6	20	100	300
Cadmium[U]			< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]			0.098	0.037		0.43	0.5	10	70
Copper[U]			0.05	0.02		< 0.5	2	50	100
Mercury[U]			< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]			0.016	0.004		< 0.1	0.5	10	30
Nickel[U]			0.010	< 0.007		< 0.2	0.4	10	40
Lead[U]			< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]			< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]			< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]			0.008	0.019		< 0.2	4	50	200
Chloride[U]			7	2		25	800	15000	25000
Fluoride[U]			< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]			18	54		508	1000	20000	50000
TDS			146	235		2266	4000	60000	100000
Phenol Index[U]			< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]			20.9	9.5		106	500	800	1000
Leach Test Information									
Sample Mass (kg)			0.18						
Dry Matter (%)			97.4						
Moisture (%)			2.8						
Stage 1									
Volume Eluate L2 (litres)			0.34						
Filtered Eluate VE1 (litres)			0.17						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS123					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: None Supplied		**Depth (m)**	0.40 - 0.60					
Reporting Date: 17/07/2023		**DETS Sample No**	662297					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	0.6			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	4.30			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	16			500	--	--
Total PAH[MU]	mg/kg	< 1.7	109			**100**	--	--
pH[MU]	pH Units	N/a	10.8			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.4			--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	0.09	0.06		0.6	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	0.149	0.031		0.42	0.5	10	70
Copper[U]	0.02	< 0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	0.021	0.005		< 0.1	0.5	10	30
Nickel[U]	< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.021	0.012		< 0.2	4	50	200
Chloride[U]	9	2		31	800	15000	25000
Fluoride[U]	< 0.5	0.8		7.1	10	150	500
Sulphate[U]	1643	406		5265	**1000**	20000	50000
TDS	1900	495		6312	**4000**	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	18.8	17.9		180	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.18						
Dry Matter (%)	95.9						
Moisture (%)	4.4						
Stage 1							
Volume Eluate L2 (litres)	0.34						
Filtered Eluate VE1 (litres)	0.17						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-08824		**Date Sampled**	30/06/23			**Landfill Waste Acceptance Criteria Limits**		
Hydrock		**Time Sampled**	None Supplied			**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS125					
Project / Job Ref: 19411		**Additional Refs**	MG					
Order No: None Supplied		**Depth (m)**	0.40 - 0.60					
Reporting Date: 17/07/2023		**DETS Sample No**	662302					
Determinand	**Unit**	**MDL**						
TOC[MU]	%	< 0.1	1.9			3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	3			--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05			6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1			1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10			500	--	--
Total PAH[MU]	mg/kg	< 1.7	27.5			100	--	--
pH[MU]	pH Units	N/a	11.8			--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	3.3			--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	I/S	I/S		I/S	0.5	2	25
Barium[U]	I/S	I/S		I/S	20	100	300
Cadmium[U]	I/S	I/S		I/S	0.04	1	5
Chromium[U]	I/S	I/S		I/S	0.5	10	70
Copper[U]	I/S	I/S		I/S	2	50	100
Mercury[U]	I/S	I/S		I/S	0.01	0.2	2
Molybdenum[U]	I/S	I/S		I/S	0.5	10	30
Nickel[U]	I/S	I/S		I/S	0.4	10	40
Lead[U]	I/S	I/S		I/S	0.5	10	50
Antimony[U]	I/S	I/S		I/S	0.06	0.7	5
Selenium[U]	I/S	I/S		I/S	0.1	0.5	7
Zinc[U]	I/S	I/S		I/S	4	50	200
Chloride[U]	I/S	I/S		I/S	800	15000	25000
Fluoride[U]	I/S	I/S		I/S	10	150	500
Sulphate[U]	I/S	I/S		I/S	1000	20000	50000
TDS	I/S	I/S		I/S	4000	60000	100000
Phenol Index[U]	I/S	I/S		I/S	1	-	-
DOC[U]	I/S	I/S		I/S	500	800	1000
Leach Test Information							
Sample Mass (kg)	I/S						
Dry Matter (%)	I/S						
Moisture (%)	I/S						
Stage 1							
Volume Eluate L2 (litres)	I/S						
Filtered Eluate VE1 (litres)	I/S						

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Soil Analysis Certificate - Sample Descriptions

DETS Report No: 23-08824
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: None Supplied
Reporting Date: 17/07/2023

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
662265	WS107	MG	0.60 - 0.80	10.5	Brown sandy gravel with stones and brick
662266	WS107	NAT	1.70 - 1.90	14.7	Light brown sandy clay with stones
662267	WS107	NAT	2.60 - 2.80	4.1	Light brown sandy clay with stones
662268	WS109	MG	0.70 - 0.75	13.8	Red sandy clay with brick
662269	WS109	MG	1.64 - 1.86	13.3	Brown sandy clay with stones
662270	WS109	NAT	2.60 - 3.00	2.1	Brown sandy gravel with stones
662271	WS110	MG	0.70 - 0.90	10.6	Red sandy clay with brick
662272	WS110	NAT	1.70 - 1.90	8.1	Brown sandy clay with stones
662273	WS113	MG	2.40 - 2.70	28.5	Brown sandy clay with stones
662274	WS114	MG	1.40 - 1.70	13.4	Brown sandy clay
662275	WS114	NAT	2.40 - 2.80	3.4	Brown sandy gravel with stones
662276	WS115	MG	0.30 - 0.60	13.7	Brown sandy gravel with stones and concrete
662277	WS115	MG	0.60 - 0.85	7.4	Brown sandy gravel with stones and concrete
662278	WS115	NAT	2.70 - 3.00	8.1	Brown sandy gravel with stones
662279	WS116	MG	1.40 - 1.60	9.4	Brown sandy clay with stones
662280	WS116	NAT	1.75 - 2.00	3.5	Brown sandy clay with stones
662281	WS117	MG	0.70 - 0.90	5.7	Black sandy clay with stones and concrete
662282	WS117A	MG	0.70 - 1.00	14.7	Black sandy clay with stones and concrete
662283	WS117A	MG	1.20 - 1.40	9.9	Brown sandy clay with stones
662284	WS117A	NAT	2.00 - 2.40	2.4	Brown sandy gravel with stones
662285	WS118	MG	0.60 - 0.90	15.3	Black sandy clay with stones and brick
662286	WS118	MG	2.20 - 2.40	7.6	Brown sandy clay with stones
662287	WS119	MG	1.10 - 1.30	19.1	Brown sandy clay with stones
662288	WS119	NAT	2.50 - 2.80	5.8	Light brown sandy gravel with stones
662289	WS120	MG	0.20 - 0.40	2.6	Black tar with tar
662290	WS120	MG	1.20 - 1.40	8.9	Brown sandy clay with stones and brick
662291	WS120	NAT	2.30 - 2.50	4.9	Brown sandy clay with stones
662292	WS121	MG	0.20 - 0.40	8.9	Brown sandy clay with stones and chalk
662293	WS121	MG	1.40 - 1.60	12.4	Light brown sandy clay with brick and concrete
662294	WS122	MG	0.20 - 0.40	1.6	Brown gravelly sand with brick and concrete
662295	WS122	MG	1.50 - 1.80	12.6	Brown sandy clay
662296	WS122	NAT	2.60 - 2.80	8.1	Brown sandy clay with stones and chalk
662297	WS123	MG	0.40 - 0.60	4.1	Brown sandy gravel with brick and concrete
662298	WS123	MG	1.50 - 1.70	10	Brown sandy clay with stones and concrete
662299	WS123	MG	2.40 - 2.80	5.5	Brown sandy gravel with stones
662300	WS124	MG	0.50 - 0.70	5.9	Light grey sandy clay with stones and chalk
662301	WS124	MG	1.00 - 2.00	6.9	Brown concrete with brick
662302	WS125	MG	0.40 - 0.60	6.6	Light grey sandy gravel with chalk and brick
662303	WS125	MG	1.60 - 1.80	0.6	Brown gravelly sand with stones and concrete
662304	WS125	NAT	2.50 - 3.00	5.2	Brown sandy gravel with stones
662305	WS126	MG	0.40 - 0.60	7.6	Brown gravelly sand with stones and brick
662306	WS126	MG	2.50 - 3.00	7.2	Brown sandy gravel with stones and concrete
662307	WS126	NAT	0.40 - 0.60	4.4	Brown gravelly sand with stones

Moisture content is part of procedure E003 & is not an accredited test
Insufficient Sample I/S
Unsuitable Sample U/S

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-08824
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: None Supplied
Reporting Date: 17/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

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UKAS TESTING
4480

Water Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-08824
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: None Supplied
Reporting Date: 17/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

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List of HWOL Acronyms and Operators
DETS Report No: 23-08824
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: None Supplied
Reporting Date: 17/07/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym
Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
Mineral Oil (C10 - C40) (BS EN 12457-3) - EH_CU_1D_AL
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH LQM - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH LQM - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH LQM - Aliphatic >C16 - C35 - EH_CU_1D_AL
TPH LQM - Aliphatic >C35 - C44 - EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH LQM - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH LQM - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH LQM - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH LQM - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH LQM - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH LQM - Aromatic >C35 - C44 - EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH LQM - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH LQM - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH LQM - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Toluene - HS_1D_MS
Total BTEX (BS EN 12457-3) - HS_1D_MS_Total
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

Parameter	Matrix Type	Suite Reference	Expanded Uncertainity Measurement	Unit
TOC	Soil	BS EN 12457	10.4	%
Loss on Ignition	Soil	BS EN 12457	16.9	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	21.1	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	17.9	%
pH	Soil	BS EN 12457	0.282	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	19.5	%
Barium	Leachate	BS EN 12457	12.2	%
Cadmium	Leachate	BS EN 12457	17.2	%
Chromium	Leachate	BS EN 12457	20.7	%
Copper	Leachate	BS EN 12457	14.1	%
Mercury	Leachate	BS EN 12457	16.7	%
Molybdenum	Leachate	BS EN 12457	13.3	%
Nickel	Leachate	BS EN 12457	14.0	%
Lead	Leachate	BS EN 12457	12.1	%
Antimony	Leachate	BS EN 12457	16.1	%
Selenium	Leachate	BS EN 12457	15.5	%
Zinc	Leachate	BS EN 12457	14.0	%
Chloride	Leachate	BS EN 12457	15.7	%
Fluoride	Leachate	BS EN 12457	19.1	%
Sulphate	Leachate	BS EN 12457	27.6	%
TDS	Leachate	BS EN 12457	10.0	%
Phenol Index	Leachate	BS EN 12457	12.9	%
DOC	Leachate	BS EN 12457	20.4	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	16.9	%
pH	Soil	BS 3882: 2015	0.282	Units
Carbonate	Soil	BS 3882: 2015	12.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	19.8	%
Copper	Soil	BS 3882: 2015	23.2	%
Nickel	Soil	BS 3882: 2015	32.6	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%

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DETS Report No: 23-09328

Site Reference:	Chatham Street
Project / Job Ref:	19411
Order No:	PO27120
Sample Receipt Date:	18/07/2023
Sample Scheduled Date:	18/07/2023
Report Issue Number:	1
Reporting Date:	25/07/2023

Authorised by:

Kevin Old
Operations Director

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.

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4480

Soil Analysis Certificate						
DETS Report No: 23-09328	**Date Sampled**	30/06/23	30/06/23	30/06/23	30/06/23	
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: Chatham Street	**TP / BH No**	WS117A	WS122	WS122	WS126	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	
Order No: PO27120	**Depth (m)**	0.70 - 1.00	0.20 - 0.40	1.50 - 1.80	0.40 - 0.60	
Reporting Date: 25/07/2023	**DETS Sample No**	664701	664702	664703	664704	

Determinand	**Unit**	**RL**	**Accreditation**					
Asbestos Screen (S)	N/a	N/a	**ISO17025**	Not Detected				
pH	pH Units	N/a	**MCERTS**	7.7				
Free Cyanide	mg/kg	< 1	NONE	< 1				
Fraction Organic Carbon (FOC)	Units	< 0.001	**MCERTS**	0.046				
Arsenic (As)	mg/kg	< 2	**MCERTS**	22				
Beryllium (Be)	mg/kg	< 0.5	**MCERTS**	1.5				
W/S Boron	mg/kg	< 1	NONE	< 1				
Cadmium (Cd)	mg/kg	< 0.2	**MCERTS**	2.2				
Chromium (III)	mg/kg	< 2	NONE	16				
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2				
Copper (Cu)	mg/kg	< 4	**MCERTS**	66				
Lead (Pb)	mg/kg	< 3	**MCERTS**	373				
Mercury (Hg)	mg/kg	< 1	**MCERTS**	< 1				
Nickel (Ni)	mg/kg	< 3	**MCERTS**	20				
Selenium (Se)	mg/kg	< 2	**MCERTS**	< 2				
Vanadium (V)	mg/kg	< 1	**MCERTS**	31				
Zinc (Zn)	mg/kg	< 3	**MCERTS**	462				
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2				

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-09328	**Date Sampled**	30/06/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: Chatham Street	**TP / BH No**	WS117A				
Project / Job Ref: 19411	**Additional Refs**	None Supplied				
Order No: PO27120	**Depth (m)**	0.70 - 1.00				
Reporting Date: 25/07/2023	**DETS Sample No**	664701				

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	0.11				
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1				
Acenaphthene	mg/kg	< 0.1	MCERTS	2.05				
Fluorene	mg/kg	< 0.1	MCERTS	2.17				
Phenanthrene	mg/kg	< 0.1	MCERTS	24.60				
Anthracene	mg/kg	< 0.1	MCERTS	4.63				
Fluoranthene	mg/kg	< 0.1	MCERTS	36.30				
Pyrene	mg/kg	< 0.1	MCERTS	23				
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	10.30				
Chrysene	mg/kg	< 0.1	MCERTS	7.98				
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	9.07				
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	2.55				
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	7.10				
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	3.31				
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.70				
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	2.38				
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	136				

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

				Landfill Waste Acceptance Criteria Limits		
DETS Report No: 23-09328	**Date Sampled**	30/06/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: Chatham Street	**TP / BH No**	WS117A				
Project / Job Ref: 19411	**Additional Refs**	None Supplied				
Order No: PO27120	**Depth (m)**	0.70 - 1.00				
Reporting Date: 25/07/2023	**DETS Sample No**	664701				

Determinand	Unit	MDL		Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
TOC[MU]	%	< 0.1	4.6	**3%**	5%	6%
Loss on Ignition[MU]	%	< 0.01	7.70	--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05	6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1	1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10	500	--	--
Total PAH[MU]	mg/kg	< 1.7	137	**100**	--	--
pH[MU]	pH Units	N/a	7.7	--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.3	--	To be evaluated	To be evaluated

Eluate Analysis	2:1 mg/l	8:1 mg/l		Cumulative 10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	0.04	< 0.02		0.2	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]	< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	0.009	0.004		< 0.1	0.5	10	30
Nickel[U]	< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	0.009	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.014	0.019		< 0.2	4	50	200
Chloride[U]	4	3		26	800	15000	25000
Fluoride[U]	< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]	214	18		254	1000	20000	50000
TDS	286	95		1025	4000	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	9.7	16.5		162	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.20						
Dry Matter (%)	88.4						
Moisture (%)	13.2						
Stage 1							
Volume Eluate L2 (litres)	0.33						
Filtered Eluate VE1 (litres)	0.07						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
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M Denotes MCERTS accredited test
U Denotes ISO17025 accredited test

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-09328	**Date Sampled**	30/06/23	
Hydrock	**Time Sampled**	None Supplied	
Site Reference: Chatham Street	**TP / BH No**	WS122	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	
Order No: PO27120	**Depth (m)**	0.20 - 0.40	
Reporting Date: 25/07/2023	**DETS Sample No**	664702	

Determinand	**Unit**	**MDL**		**Landfill Waste Acceptance Criteria Limits**		
				Inert Waste Landfill	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
TOC[MU]	%	< 0.1	0.5	3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	2.81	--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05	6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1	1	--	--
Mineral Oil[MU]	mg/kg	< 10	51	500	--	--
Total PAH[MU]	mg/kg	< 1.7	61.3	100	--	--
pH[MU]	pH Units	N/a	9.9	--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	1.3	--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	0.07	0.05		0.5	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	0.104	0.018		0.27	0.5	10	70
Copper[U]	0.02	0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	0.013	0.002		< 0.1	0.5	10	30
Nickel[U]	< 0.007	0.009		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.007	0.024		0.2	4	50	200
Chloride[U]	9	2		26	800	15000	25000
Fluoride[U]	< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]	1668	479		6108	**1000**	20000	50000
TDS	1250	467		5538	**4000**	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	20.9	10.7		119	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.19						
Dry Matter (%)	93.1						
Moisture (%)	7.4						
Stage 1							
Volume Eluate L2 (litres)	0.34						
Filtered Eluate VE1 (litres)	0.19						

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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-09328	**Date Sampled**	30/06/23	
Hydrock	**Time Sampled**	None Supplied	
Site Reference: Chatham Street	**TP / BH No**	WS122	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	
Order No: PO27120	**Depth (m)**	1.50 - 1.80	
Reporting Date: 25/07/2023	**DETS Sample No**	664703	

Determinand	**Unit**	**MDL**		**Landfill Waste Acceptance Criteria Limits**		
				Inert Waste Landfill	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
TOC[MU]	%	< 0.1	0.4	3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	2.80	--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05	6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1	1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10	500	--	--
Total PAH[MU]	mg/kg	< 1.7	< 1.7	100	--	--
pH[MU]	pH Units	N/a	7.8	--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1	--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	0.04	< 0.02		0.2	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]	< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	0.016	0.006		< 0.1	0.5	10	30
Nickel[U]	< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.013	0.009		< 0.2	4	50	200
Chloride[U]	9	7		72	800	15000	25000
Fluoride[U]	< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]	103	9		176	1000	20000	50000
TDS	311	106		1252	4000	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	8.3	7.8		78.6	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.20						
Dry Matter (%)	85.8						
Moisture (%)	16.6						
Stage 1							
Volume Eluate L2 (litres)	0.32						
Filtered Eluate VE1 (litres)	0.16						

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UKAS TESTING 4480

Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3

DETS Report No: 23-09328		**Date Sampled**	30/06/23				**Landfill Waste Acceptance Criteria Limits**	
Hydrock		**Time Sampled**	None Supplied				**Inert Waste Landfill**	**Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Site Reference: Chatham Street		**TP / BH No**	WS126						
Project / Job Ref: 19411		**Additional Refs**	None Supplied						
Order No: PO27120		**Depth (m)**	0.40 - 0.60						
Reporting Date: 25/07/2023		**DETS Sample No**	664704						
Determinand	**Unit**	**MDL**							
TOC[MU]	%	< 0.1	0.4				3%	5%	6%
Loss on Ignition[MU]	%	< 0.01	2				--	--	10%
BTEX[MU]	mg/kg	< 0.05	< 0.05				6	--	--
Sum of PCBs	mg/kg	< 0.1	< 0.1				1	--	--
Mineral Oil[MU]	mg/kg	< 10	< 10				500	--	--
Total PAH[MU]	mg/kg	< 1.7	< 1.7				100	--	--
pH[MU]	pH Units	N/a	8.1				--	>6	--
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1				--	To be evaluated	To be evaluated

Eluate Analysis	**2:1 mg/l**	**8:1 mg/l**		**Cumulative 10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
Arsenic[U]	< 0.01	< 0.01		< 0.2	0.5	2	25
Barium[U]	< 0.02	< 0.02		< 0.1	20	100	300
Cadmium[U]	< 0.0005	< 0.0005		< 0.02	0.04	1	5
Chromium[U]	< 0.005	< 0.005		< 0.20	0.5	10	70
Copper[U]	< 0.01	< 0.01		< 0.5	2	50	100
Mercury[U]	< 0.0005	< 0.0005		< 0.005	0.01	0.2	2
Molybdenum[U]	0.002	< 0.001		< 0.1	0.5	10	30
Nickel[U]	< 0.007	< 0.007		< 0.2	0.4	10	40
Lead[U]	< 0.005	< 0.005		< 0.2	0.5	10	50
Antimony[U]	< 0.005	< 0.005		< 0.05	0.06	0.7	5
Selenium[U]	< 0.005	< 0.005		< 0.05	0.1	0.5	7
Zinc[U]	0.005	0.006		< 0.2	4	50	200
Chloride[U]	4	2		23	800	15000	25000
Fluoride[U]	< 0.5	< 0.5		< 1	10	150	500
Sulphate[U]	34	4		69	1000	20000	50000
TDS	125	59		657	4000	60000	100000
Phenol Index[U]	< 0.01	< 0.01		< 0.5	1	-	-
DOC[U]	8.8	11.5		112	500	800	1000
Leach Test Information							
Sample Mass (kg)	0.20						
Dry Matter (%)	88						
Moisture (%)	13.8						
Stage 1							
Volume Eluate L2 (litres)	0.33						
Filtered Eluate VE1 (litres)	0.18						

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion
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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-09328	
Hydrock	
Site Reference: Chatham Street	
Project / Job Ref: 19411	
Order No: PO27120	
Reporting Date: 25/07/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
$ 664701	WS117A	None Supplied	0.70 - 1.00	11.6	Black gravelly sand with stones and concrete
$ 664702	WS122	None Supplied	0.20 - 0.40	6.9	Brown gravelly sand with stones and concrete
$ 664703	WS122	None Supplied	1.50 - 1.80	14.2	Light brown sandy clay
$ 664704	WS126	None Supplied	0.40 - 0.60	12	Light brown sandy clay with stones

Moisture content is part of procedure E003 & is not an accredited test
Insufficient Sample I/S
Unsuitable Sample U/S

$ samples exceeded recommended holding times

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-09328
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 25/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

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Water Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-09328
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 25/07/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

4480

List of HWOL Acronyms and Operators
DETS Report No: 23-09328
Hydrock
Site Reference: Chatham Street
Project / Job Ref: 19411
Order No: PO27120
Reporting Date: 25/07/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym
Mineral Oil (C10 - C40) (BS EN 12457-3) - EH_CU_1D_AL
Total BTEX (BS EN 12457-3) - HS_1D_MS_Total

Parameter	Matrix Type	Suite Reference	Expanded Uncertainity Measurement	Unit
TOC	Soil	BS EN 12457	10.4	%
Loss on Ignition	Soil	BS EN 12457	16.9	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	21.1	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	17.9	%
pH	Soil	BS EN 12457	0.282	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	19.5	%
Barium	Leachate	BS EN 12457	12.2	%
Cadmium	Leachate	BS EN 12457	17.2	%
Chromium	Leachate	BS EN 12457	20.7	%
Copper	Leachate	BS EN 12457	14.1	%
Mercury	Leachate	BS EN 12457	16.7	%
Molybdenum	Leachate	BS EN 12457	13.3	%
Nickel	Leachate	BS EN 12457	14.0	%
Lead	Leachate	BS EN 12457	12.1	%
Antimony	Leachate	BS EN 12457	16.1	%
Selenium	Leachate	BS EN 12457	15.5	%
Zinc	Leachate	BS EN 12457	14.0	%
Chloride	Leachate	BS EN 12457	15.7	%
Fluoride	Leachate	BS EN 12457	19.1	%
Sulphate	Leachate	BS EN 12457	27.6	%
TDS	Leachate	BS EN 12457	10.0	%
Phenol Index	Leachate	BS EN 12457	12.9	%
DOC	Leachate	BS EN 12457	20.4	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	16.9	%
pH	Soil	BS 3882: 2015	0.282	Units
Carbonate	Soil	BS 3882: 2015	12.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	19.8	%
Copper	Soil	BS 3882: 2015	23.2	%
Nickel	Soil	BS 3882: 2015	32.6	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%

Risk parameter: Default - Human Health - residential without home-grown produce (1%SOM)
Client: Abri
Site: Chatham Street
Job no.: 19411
Lab. report no(s).: 23-08730.1, 2308824.1

Data Filters: Zone All; Strata MG; Depth Min (m bgl) 0; Depth Max (m bgl) 2.7

Dataset mean SOM% 3.18
Scenario SOM% 1

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	Determinand State at Ambient Temperature (hide)	GAC	GAC Source
-	**Asbestos**											-		
P1020	Asbestos Identified	text	Y/N	43	-	-	-	-	No. of detects:	0	-	-	-	-
P1889	Asbestos Screen Name	text		0	-	-	-	-	-		-	-		-
P1885	Asbestos Quant. (Stage 2)	%	0.001	0					No. > LOD:		-	-		-
P1935	Asbestos Quant. Total	%	0.001	0					No. > LOD:		-	-		-
P1826	Asbestos Quant. (Stage 3)	%	0.001	0					No. > LOD:		-	-		-
-	Asbestos Quant. Total (Stages 2+3)	%	0.001	0					No. > LOD:		-	-		-
P1880	Asbestos Containing Material Types Detected (ACM)	text		0	-	-	-	-	-		-	-		-
0	**Hydrock Default Suite - FOC / SOM / pH**										-			
P1085	FOC (dimensionless)	()	0.001	38	0.001	0.106	0.018	0.009	0.02		-	-	-	-
-	SOM (calculated)	%	0.1724	38	0.17	18.27	3.18	1.47	3.92		-	-	-	-
P1334	pH (su)	pH Units	0.1	38	7.10	11.80	8.87	8.00	1.44		-	-	-	-
-	**Hydrock Default Suite - Metals & PAH**											-		
7440-38-2	Arsenic	mg/kg	1	38	2.00	**55.00**	14.58	14.00	10.13	**1**	NR	S	40	RTV
7440-41-7	Beryllium	mg/kg	0.06	38	0.50	2.30	0.73	0.60	0.42	0	NR	S	73	RTV
7440-42-8	Boron	mg/kg	0.2	38	1.00	3.50	1.13	1.00	0.44	0	NR	S	11000	RTV
7440-43-9	Cadmium	mg/kg	0.2	38	0.20	5.30	0.41	0.20	0.85	0	NR	S	87	RTV
16065-83-1	Chromium (III)	mg/kg	1	38	2.00	27.00	14.26	16.00	5.29	0	NR	S	890	0
18540-29-9	Chromium (VI)	mg/kg	1.8	38	2.00	2.00	2.00	2.00	0.00	0	NR	S	21	0
7440-47-3	Chromium (Total)	mg/kg	1	27	4.00	29.00	16.00	18.00	5.82	0	-	-	400	RTV
7440-50-8	Copper	mg/kg	1	38	4.00	**296.00**	30.21	13.50	49.95	**1**	NR	S	200	RTV
7439-92-1	Lead	mg/kg	1	37	3.00	**998.00**	103.78	36.00	187.90	**3**	NR	S	310	RTV
7439-97-6	Mercury, inorganic	mg/kg	0.3	38	1.00	6.10	1.29	1.00	1.09	0	NR	S	240	RTV
7440-02-0	Nickel	mg/kg	1	38	3.00	31.00	13.26	12.00	7.63	0	NR	S	110	RTV
7782-49-2	Selenium	mg/kg	1	38	2.00	2.00	2.00	2.00	0.00	0	NR	S	600	RTV
7440-62-2	Vanadium	mg/kg	1	38	4.00	53.00	26.18	30.00	12.43	0	NR	S	1200	RTV
7440-66-6	Zinc	mg/kg	1	38	3.00	**801.00**	123.82	71.00	179.78	**3**	NR	S	300	RTV
P1095	Cyanide (free)	mg/kg	1	38	1.00	1.00	1.00	1.00	0.00	0	NR	L	800	RTV
P1186	Total Phenols (Monohydric)	mg/kg	1	38	2.00	2.60	2.02	2.00	0.10	0	24237	S	750	RTV
83-32-9	Acenaphthene	mg/kg	0.05	38	0.10	39.20	1.65	0.10	6.43	0	57	S	3000	RTV
208-96-8	Acenaphthylene	mg/kg	0.05	38	0.10	228.00	6.20	0.10	36.96	0	86	S	2900	RTV
120-12-7	Anthracene	mg/kg	0.05	38	0.10	294.00	8.85	0.14	47.59	0	1.17	S	31000	RTV
56-55-3	Benz(a)anthracene	mg/kg	0.05	38	0.10	**206.00**	**7.55**	0.64	33.35	**5**	1.71	S	5.5	RTV
50-32-8	Benzo(a)pyrene	mg/kg	0.05	38	0.10	**173.00**	**6.37**	0.49	27.99	**13**	0.91	S	1.5	RTV
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	38	0.10	**189.00**	7.15	0.62	30.61	**3**	1.22	S	11	RTV
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	38	0.10	**76.20**	2.96	0.23	12.34	**1**	0.02	S	71	RTV
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	38	0.10	**48.90**	2.11	0.19	7.96	**1**	0.69	S	15	RTV
218-01-9	Chrysene	mg/kg	0.05	38	0.10	**217.00**	7.76	0.51	35.14	**2**	0.44	S	13	RTV
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	38	0.10	**23.30**	0.99	0.10	3.79	**4**	0.004	S	1.3	RTV
206-44-0	Fluoranthene	mg/kg	0.05	38	0.10	685.00	23.42	1.24	110.98	0	19	S	1500	RTV
86-73-7	Fluorene	mg/kg	0.05	38	0.10	53.50	2.02	0.10	8.71	0	31	S	2800	RTV
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	38	0.10	**103.00**	3.95	0.34	16.65	**2**	0.06	S	6.3	RTV
91-20-3	Naphthalene	mg/kg	0.05	38	0.10	**1700.00**	**44.94**	0.10	275.74	**2**	76	S	2.3	RTV
85-01-8	Phenanthrene	mg/kg	0.05	38	0.10	1080.00	32.29	0.73	174.89	0	36	S	1300	RTV
129-00-0	Pyrene	mg/kg	0.05	38	0.10	552.00	18.54	0.99	89.36	0	2.2	S	3700	RTV
P1310	PAH 16 Total	mg/kg	0.8	38	1.60	5670.00	176.56	6.15	917.28			-	-	0
0	**TPH fractions**													
P1407	TPH ali EC05-EC06	mg/kg	0.001	44	0.01	0.01	0.01	0.01	0.000	0	304	L	42	RTV
P1408	TPH ali >EC06-EC08	mg/kg	0.001	44	0.05	0.05	0.05	0.05	0.000	0	144	L	100	RTV
P1409	TPH ali >EC08-EC10	mg/kg	0.001	44	2.00	7.00	2.11	2.00	0.754	0	78	L	27	RTV
P1410	TPH ali >EC10-EC12	mg/kg	1	44	2.00	7.00	2.20	2.00	0.95	0	48	L	48	RTV
P1411	TPH ali >EC12-EC16	mg/kg	2	44	3.00	**41.00**	4.30	3.00	6.28	**1**	24	L	24	RTV
P1412	TPH ali >EC16-EC21	mg/kg	8	0								-		
P1413	TPH ali >EC21-EC35	mg/kg	8	0								-		
P1938	TPH ali >EC16-EC35	mg/kg	10	44	10.00	228.00	22.34	10.00	43.52	0	8	S	15000	RTV
P1415	TPH ali >EC35-EC44	mg/kg	8.4	44	10.00	10.00	10.00	10.00	0.00	0	8	S	15000	RTV
P1418	TPH ali >EC5-EC35	mg/kg	10	0								-		
P1420	TPH ali >EC5-EC44	mg/kg	10	44	30.00	275.00	41.95	30.00	44.07			-	-	
P1441	TPH aro EC05-EC07	mg/kg	0.001	44	0.01	0.01	0.01	0.01	0.00	0	1218	L	370	RTV
P1355	TPH aro >EC07-EC08	mg/kg	0.001	44	0.05	0.05	0.05	0.05	0.00	0	869	L	860	RTV
P1356	TPH aro >EC08-EC10	mg/kg	0.001	44	2.00	17.00	2.43	2.00	2.33	0	613	L	47	RTV
P1357	TPH aro >EC10-EC12	mg/kg	1	44	2.00	**2532.00**	59.50	2.00	381.41	**1**	364	L	250	RTV
P1358	TPH aro >EC12-EC16	mg/kg	2	44	2.00	1172.00	30.61	2.00	176.20	0	169	L	1800	RTV
P1359	TPH aro >EC16-EC21	mg/kg	10	44	3.00	**2183.00**	72.36	3.00	328.81	**1**	54	S	1900	RTV
P1360	TPH aro >EC21-EC35	mg/kg	10	44	10.00	1417.00	72.09	10.00	216.04	0	5	S	1900	RTV
P1362	TPH aro >EC35-EC44	mg/kg	8.4	44	10.00	57.00	12.48	10.00	8.59	0	5	S	1900	RTV
P1365	TPH aro >EC5-EC35	mg/kg	10	0								-		
P1941	TPH aro >EC5-EC44	mg/kg	10	44	30.00	7379.00	245.48	30.00	1105.86			-	-	
P1373	Total TPH >EC5-EC44	mg/kg	10	44	60.00	7379.00	281.25	60.00	1103.80			-	-	
0	**VOCs - BTEX & MTBE**													
71-43-2	Benzene	mg/kg	1	44	0.00	0.00	0.00	0.00	0.00	0	1218	L	0.89	0
108-88-3	Toluene	mg/kg	1	44	0.01	0.02	0.01	0.01	0.00	0	869	L	880	0
100-41-4	Ethylbenzene	mg/kg	1	44	0.00	0.01	0.00	0.00	0.00	0	518	L	83	0
95-47-6	Xylene, o-	mg/kg	1	44	0.00	0.11	0.01	0.00	0.02	0	478	L	88	0
1330-20-7	Xylene, p- (or combined m & p)	mg/kg	1	44	0.00	0.07	0.00	0.00	0.01	0	576	L	79	0
1634-04-4	MTBE	mg/kg	1	44	0.01	0.01	0.01	0.01	0.00	0	20358	L	100	0

Location	WS107	WS107	WS107	WS109	WS109	WS109	WS110	WS110	WS113	WS114	WS114
Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone											
Depth (m bgl)	0.6	1.7	2.6	0.7	1.64	2.6	0.7	1.7	2.4	1.4	2.4
Strata	MG	NAT	NAT	MG	MG	NAT	MG	NAT	MG	MG	NAT
Asbestos Identified	N	-	-	N	N	-	N	-	N	N	-
Asbestos Screen Name											
Asbestos Quant. (Stage 2)											
Asbestos Quant. Total											
Asbestos Quant. (Stage 3)											
Asbestos Quant. Total (Stages 2+3)											
Asbestos Containing Material Types Detected (ACM)											
FOC (dimensionless)	0.051	+		0.011		+	0.006	+	0.056	0.007	
SOM (calculated)	8.7924	+	+	1.8964		+	1.0344	+	9.6544	1.2068	+
pH (su)	7.5	+		10.7		+	7.8	+	7.8	7.8	
Arsenic	25	+		3		+	4	+	23	12	
Beryllium	1.5	+		<0.5		+	<0.5	+	0.9	0.6	
Boron	<1	+		<1		+	<1	+	1	<1	
Cadmium	<0.2	+		<0.2		+	<0.2	+	0.2	<0.2	
Chromium (III)	18	+		6		+	7	+	21	16	
Chromium (VI)	2	+		2		+	2	+	2	2	
Chromium (Total)	20	+		8		+	9	+	23	18	
Copper	56	+		5		+	7	+	296	16	
Lead				6		+	20	+	998	74	
Mercury, inorganic	1.1	+		<1		+	<1	+	6.1	<1	
Nickel	24	+		5		+	4	+	20	11	
Selenium	<2	+		<2		+	<2	+	<2	<2	
Vanadium	40	+		9		+	7	+	29	33	
Zinc	205	+		15		+	10	+	173	39	
Cyanide (free)	<1	+		<1		+	<1	+	<1	<1	
Total Phenols (Monohydric)	<2	+		2.6		+	<2	+	<2	<2	
Acenaphthene	4.15	+		39.2		+	<0.1	+	<0.1	<0.1	
Acenaphthylene	3.88	+		228		+	<0.1	+	<0.1	<0.1	
Anthracene	3.76	+		294		+	<0.1	+	<0.1	<0.1	
Benz(a)anthracene	4.01	+		206		+	<0.1	+	0.35	<0.1	
Benzo(a)pyrene	3.86	+		173		+	<0.1	+	0.25	<0.1	
Benzo(b)fluoranthene	3.98	+		189		+	<0.1	+	0.48	<0.1	
Benzo(ghi)perylene	3.63	+		76.2		+	<0.1	+	0.17	<0.1	
Benzo(k)fluoranthene	3.65	+		48.9		+	<0.1	+	<0.1	<0.1	
Chrysene	3.91	+		217		+	<0.1	+	0.28	<0.1	
Dibenz(ah)anthracene	3.47	+		23.3		+	<0.1	+	<0.1	<0.1	
Fluoranthene	3.89	+		685		+	<0.1	+	0.2	0.17	
Fluorene	3.96	+		53.5		+	<0.1	+	<0.1	<0.1	
Indeno(123cd)pyrene	4.2	+		103		+	<0.1	+	0.18	<0.1	
Naphthalene	3.94	+		1700		+	<0.1	+	<0.1	<0.1	
Phenanthrene	4.03	+		1080		+	<0.1	+	0.21	<0.1	
Pyrene	3.95	+		552		+	<0.1	+	0.21	0.13	
PAH 16 Total	62.3	+		5670		+	<1.6	+	2.3	<1.6	
TPH ali EC05-EC06	<0.01	+	+	<0.01	<0.01	+	<0.01	+	<0.01	<0.01	+
TPH ali >EC06-EC08	<0.05	+	+	<0.05	<0.05	+	<0.05	+	<0.05	<0.05	+
TPH ali >EC08-EC10	<2	+	+	<2	<2	+	<2	+	<2	<2	+
TPH ali >EC10-EC12	<2	+	+	<2	<2	+	<2	+	<2	<2	+
TPH ali >EC12-EC16	<3	+	+	<3	<3	+	<3	+	<3	<3	+
TPH ali >EC16-EC21											
TPH ali >EC21-EC35											
TPH ali >EC16-EC35	<10	+	+	<10	<10	+	<10	+	<10	<10	+
TPH ali >EC35-EC44	<10	+	+	<10	<10	+	<10	+	<10	<10	+
TPH ali >EC5-EC35											
TPH ali >EC5-EC44	<30	+	+	<30	<30	+	<30	+	<30	<30	+
TPH aro EC05-EC07	<0.01	+	+	<0.01	<0.01	+	<0.01	+	<0.01	<0.01	+
TPH aro >EC07-EC08	<0.05	+	+	<0.05	<0.05	+	<0.05	+	<0.05	<0.05	+
TPH aro >EC08-EC10	<2	+	+	17	<2	+	<2	+	<2	<2	+
TPH aro >EC10-EC12	<2	+	+	2532	<2	+	<2	+	<2	<2	+
TPH aro >EC12-EC16	3	+	+	1172	<2	+	<2	+	<2	<2	+
TPH aro >EC16-EC21	62	+	+	2183	<3	+	<3	+	3	3	+
TPH aro >EC21-EC35	44	+	+	1417	<10	+	<10	+	24	<10	+
TPH aro >EC35-EC44	<10	+	+	57	<10	+	<10	+	<10	<10	+
TPH aro >EC5-EC35											
TPH aro >EC5-EC44	109	+	+	7379	<30	+	<30	+	<30	<30	+
Total TPH >EC5-EC44	109	+	+	7379	<60	+	<60	+	<60	<60	+
Benzene	<0.002	+	+	0.002	<0.002	+	<0.002	+	<0.002	<0.002	+
Toluene	<0.005	+	+	0.02	<0.005	+	<0.005	+	<0.005	<0.005	+
Ethylbenzene	<0.002	+	+	0.007	<0.002	+	<0.002	+	<0.002	<0.002	+
Xylene, o-	<0.002	+	+	0.11	<0.002	+	<0.002	+	<0.002	<0.002	+
Xylene, p- (or combined m & p)	<0.002	+	+	0.067	<0.002	+	<0.002	+	<0.002	<0.002	+
MTBE	<0.005	+	+	<0.005	<0.005	+	<0.005	+	<0.005	<0.005	+

Location	WS115	WS115	WS115	WS116	WS116	WS117	WS117A	WS117A	WS117A	WS118	WS118	WS119	WS119	WS120	WS120	WS120	WS121	WS121	WS122	WS122	WS122	WS123	WS123	WS123	WS124	WS124	WS125	WS125	WS125
Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone																													
Depth (m bgl)	0.3	0.6	2.7	1.4	1.75	0.7	0.7	1.2	2	0.6	2.2	1.1	2.5	0.2	1.2	2.3	0.2	1.4	0.2	1.5	2.6	0.4	1.5	2.4	0.5	1	0.4	1.6	2.5
Strata	MG	MG	NAT	MG	NAT	MG	MG	MG	NAT	MG	MG	MG	NAT	MG	MG	NAT	MG	MG	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	NAT
Asbestos Identified	N	N	-	N	-	N	N	N	-	N	N	N	-	N	N	-	N	N	N	N	-	N	N	N	N	N	N	N	-
Asbestos Screen Name																													
Asbestos Quant. (Stage 2)																													
Asbestos Quant. Total																													
Asbestos Quant. (Stage 3)																													
Asbestos Quant. Total (Stages 2+3)																													
Asbestos Containing Material Types Detected (ACM)																													
FOC (dimensionless)	0.017	0.012		0.01	+			0.008	+	0.106	0.006	0.037	+	0.067	0.008	+	0.022	0.013	0.004	0.005	+	0.006		0.01	0.002	0.005	0.019	<0.001	+
SOM (calculated)	2.9308	2.0688	+	1.724				1.3792	+	18.2744	1.0344	6.3788	+	11.5508	1.3792	+	3.7928	2.2412	0.6896	0.862	+	1.0344		1.724	0.3448	0.862	3.2756	0.1724	+
pH (su)	10.1	8.1		8	+			7.8	+	7.3	8	7.1	+	9.8	8	+	11.8	10.3	10.6	7.9	+	10.8		8.3	10.9	11.4	11.8	7.9	+
Arsenic	10	15		15	+			16	+	32	18	20	+	14	14	+	5	13	4	12	+	9		16	<2	5	7	<2	+
Beryllium	0.5	0.8		0.7	+			0.6	+	2.3	0.7	0.9	+	0.6	0.6	+	<0.5	0.7	<0.5	0.7	+	<0.5		0.7	<0.5	<0.5	<0.5	<0.5	+
Boron	3.5	<1		1.2	+			<1	+	1.5	<1	1.9	+	1.3	<1	+	<1	<1	<1	<1	+	<1		<1	<1	<1	<1	<1	+
Cadmium	<0.2	<0.2		<0.2	+			<0.2	+	0.8	<0.2	<0.2	+	<0.2	<0.2	+	0.2	<0.2	<0.2	<0.2	+	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	+
Chromium (III)	11	18		16	+			18	+	21	15	17	+	27	16	+	21	15	8	17	+	16		16	5	12	10	2	+
Chromium (VI)	2	2		2	+			2	+	2	2	2	+	2	2	+	2	2	2	2	+	2		2	2	2	2	2	+
Chromium (Total)	13	20		18	+			20	+	23	17	19	+	29	18	+	23	17	10	19	+	18		18	7	14	12	4	+
Copper	12	22		32	+			12	+	107	8	80	+	20	52	+	44	25	7	9	+	8		20	4	8	17	<4	+
Lead	36	72		71	+			17	+	545	16	246	+	52	68	+	14	88	13	16	+	16		68	4	11	17	<3	+
Mercury, inorganic	<1	<1		<1	+			<1	+	2.3	<1	5.4	+	<1	<1	+	<1	<1	<1	<1	+	<1		<1	<1	<1	<1	<1	+
Nickel	9	15		16	+			12	+	31	23	19	+	19	13	+	9	12	5	12	+	7		14	<3	7	7	<3	+
Selenium	<2	<2		<2	+			<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	<2	<2	+	<2		<2	<2	<2	<2	<2	+
Vanadium	22	34		33	+			37	+	39	34	37	+	37	34	+	17	28	8	32	+	17		33	4	18	14	4	+
Zinc	81	112		72	+			44	+	700	47	118	+	128	97	+	61	107	25	41	+	28		89	9	25	47	3	+
Cyanide (free)	<1	<1		<1	+			<1	+	<1	<1	<1	+	<1	<1	+	<1	<1	<1	<1	+	<1		<1	<1	<1	<1	<1	+
Total Phenols (Monohydric)	<2	<2		<2	+			<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	<2	<2	+	<2		<2	<2	<2	<2	<2	+
Acenaphthene	7.81	0.18		<0.1	+			<0.1	+	<0.1	<0.1	<0.1	+	0.14	<0.1	+	<0.1	0.15	3.19	<0.1	+	1.53		<0.1	0.11	0.15	0.4	0.12	+
Acenaphthylene	<0.1	<0.1		<0.1	+			<0.1	+	0.14	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	<0.1	<0.1	<0.1	+	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	+
Anthracene	15.3	0.7		<0.1	+			<0.1	+	0.27	<0.1	<0.1	+	0.39	<0.1	+	0.21	0.37	6.7	<0.1	+	3.71		<0.1	0.26	0.52	0.77	0.21	+
Benz(a)anthracene	23.2	2.21		0.32	+			<0.1	+	1.83	<0.1	<0.1	+	1.12	0.18	+	0.8	1.4	9.02	<0.1	+	8.64		0.16	0.98	2.14	2.51	0.8	+
Benzo(a)pyrene	18.4	1.66		0.26	+			<0.1	+	2.01	<0.1	<0.1	+	0.85	0.14	+	0.67	1.29	7.82	<0.1	+	9.04		0.16	0.74	1.88	2.1	0.63	+
Benzo(b)fluoranthene	23.3	2.11		0.36	+			<0.1	+	2.6	<0.1	<0.1	+	1.08	0.15	+	0.79	1.44	8.31	<0.1	+	9.49		0.17	1	2.27	2.64	0.76	+
Benzo(ghi)perylene	9.48	0.7		0.13	+			<0.1	+	0.99	<0.1	<0.1	+	0.37	<0.1	+	0.32	0.74	3.54	<0.1	+	4.45		<0.1	0.4	0.91	1.01	0.28	+
Benzo(k)fluoranthene	8.2	0.64		<0.1	+			<0.1	+	0.76	<0.1	<0.1	+	0.34	<0.1	+	0.26	0.45	3.35	<0.1	+	3.71		<0.1	0.29	0.78	0.84	0.23	+
Chrysene	24	1.71		0.23	+			<0.1	+	1.78	<0.1	<0.1	+	0.85	0.13	+	0.63	1.1	9.27	<0.1	+	8.6		0.15	0.81	1.71	2.02	0.59	+
Dibenz(ah)anthracene	2.76	0.21		<0.1	+			<0.1	+	0.24	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	0.18	1.07	<0.1	+	1.24		<0.1	<0.1	0.23	0.25	<0.1	+
Fluoranthene	68.5	4.59		0.5	+			<0.1	+	3.76	<0.1	<0.1	+	2.25	0.23	+	1.61	2.44	32.2	<0.1	+	21.8		0.2	2.05	3.65	5.62	1.47	+
Fluorene	8.02	0.21		<0.1	+			<0.1	+	<0.1	<0.1	<0.1	+	0.11	<0.1	+	<0.1	0.14	3.31	<0.1	+	1.33		<0.1	<0.1	0.14	0.35	<0.1	+
Indeno(123cd)pyrene	11.5	1.22		0.2	+			<0.1	+	1.31	<0.1	<0.1	+	0.69	0.13	+	0.56	1.28	5.07	<0.1	+	5.28		<0.1	0.66	1.17	1.32	0.43	+
Naphthalene	0.24	<0.1		<0.1	+			<0.1	+	<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	<0.1	<0.1	<0.1	+	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	+
Phenanthrene	59	2.4		0.25	+			<0.1	+	1.49	<0.1	<0.1	+	1.1	<0.1	+	0.7	1.1	29.7	<0.1	+	9.86		0.13	1.07	1.48	2.93	0.8	+
Pyrene	49	3.29		0.45	+			<0.1	+	3.29	<0.1	<0.1	+	1.61	0.22	+	1.17	1.91	22.4	<0.1	+	17.4		0.19	1.49	3.3	3.97	1.13	+
PAH 16 Total	329	21.8		2.7	+			<1.6	+	20.5	<1.6	<1.6	+	10.9	<1.6	+	7.7	14	145	<1.6	+	106		<1.6	9.9	20.3	26.7	7.5	+
TPH ali EC05-EC06	<0.01	<0.01	+	<0.01	+	<0.01	<0.01	<0.01	+	<0.01	<0.01	<0.01	+	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	+
TPH ali >EC06-EC08	<0.05	<0.05	+	<0.05	+	<0.05	<0.05	<0.05	+	<0.05	<0.05	<0.05	+	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	+
TPH ali >EC08-EC10	<2	<2	+	<2	+	<2	7	<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	+
TPH ali >EC10-EC12	<2	<2	+	<2	+	6	7	<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	+
TPH ali >EC12-EC16	4	<3	+	<3	+	41	21	<3	+	<3	<3	<3	+	<3	<3	+	<3	<3	<3	<3	+	<3	<3	<3	<3	<3	<3	<3	+
TPH ali >EC16-EC21																													
TPH ali >EC21-EC35																													
TPH ali >EC16-EC35	81	<10	+	<10	+	228	13	<10	+	<10	<10	<10	+	<10	<10	+	<10	<10	<10	<10	+	13	<10	<10	<10	<10	<10	<10	+
TPH ali >EC35-EC44	<10	<10	+	<10	+	<10	<10	<10	+	<10	<10	<10	+	<10	<10	+	<10	<10	<10	<10	+	<10	<10	<10	<10	<10	<10	<10	+
TPH ali >EC5-EC35																													
TPH ali >EC5-EC44	85	<30	+	<30	+	275	48	<30	+	<30	<30	<30	+	<30	<30	+	<30	<30	<30	<30	+	<30	<30	<30	<30	<30	<30	<30	+
TPH aro EC05-EC07	<0.01	<0.01	+	<0.01	+	<0.01	<0.01	<0.01	+	<0.01	<0.01	<0.01	+	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	+
TPH aro >EC07-EC08	<0.05	<0.05	+	<0.05	+	<0.05	<0.05	<0.05	+	<0.05	<0.05	<0.05	+	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	+
TPH aro >EC08-EC10	2	6	+	<2	+	<2	<2	2	+	2	2	2	+	<2	<2	+	<2	<2	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	+
TPH aro >EC10-EC12	<2	<2	+	<2	+	<2	<2	<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	+
TPH aro >EC12-EC16	31	2	+	<2	+	36	11	<2	+	<2	<2	<2	+	<2	<2	+	<2	<2	9	<2	+	6	<2	<2	<2	<2	2	<2	+
TPH aro >EC16-EC21	205	45	+	<3	+	206	63	<3	+	16	<3	<3	+	4	<3	+	<3	7	90	<3	+	70	<3	<3	7	18	22	<3	+
TPH aro >EC21-EC35	283	54	+	<10	+	217	134	<10	+	49	<10	<10	+	<10	<10	+	<10	42	86	<10	+	170	<10	<10	<10	72	52	<10	+
TPH aro >EC35-EC44	<10	<10	+	<10	+	<10	38	<10	+	<10	<10	<10	+	<10	<10	+	<10	<10	<10	<10	+	18	<10	<10	<10	29	14	<10	+
TPH aro >EC5-EC35																													
TPH aro >EC5-EC44	521	108	+	<30	+	459	245	<30	+	67	<30	<30	+	<30	<30	+	<30	49	184	<30	+	264	<30	<30	<30	119	90	<30	+
Total TPH >EC5-EC44	606	108	+	<60	+	734	293	<60	+	67	<60	<60	+	<60	<60	+	<60	<60	184	<60	+	277	<60	<60	<60	119	90	<60	+
Benzene	<0.002	<0.002	+	<0.002	+	<0.002	<0.002	<0.002	+	<0.002	<0.002	<0.002	+	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	+
Toluene	<0.005	<0.005	+	<0.005	+	<0.005	<0.005	<0.005	+	<0.005	<0.005	<0.005	+	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	+
Ethylbenzene	<0.002	<0.002	+	<0.002	+	<0.002	0.003	<0.002	+	<0.002	<0.002	<0.002	+	<0.002	<0.002	+	<0.002	<0.002	<0.002	0.005	+	0.003	<0.002	<0.002	0.006	0.006	0.006	<0.002	+
Xylene, o-	<0.002	<0.002	+	<0.002	+	<0.002	0.008	<0.002	+	<0.002	<0.002	0.004	+	<0.002	<0.002	+	<0.002	<0.002	<0.002	0.004	+	0.003	<0.002	<0.002	0.005	0.008	0.006	<0.002	+
Xylene, p- (or combined m & p)	<0.002	<0.002	+	<0.002	+	<0.002	0.004	<0.002	+	<0.002	<0.002	0.003	+	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	+	<0.002	<0.002	<0.002	0.002	0.005	0.003	<0.002	+
MTBE	<0.005	<0.005	+	<0.005	+	<0.005	<0.005	<0.005	+	<0.005	<0.005	<0.005	+	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	+

Location	WS126	WS126	WS126	WS101	WS101	WS102	WS102	WS103	WS104	WS104	WS104	WS105	WS105	WS105	WS111	WS111	WS112	WS112	WS112	WS112
Date	30/06/2023	30/06/2023	30/06/2023	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23
Zone																				
Depth (m bgl)	0.4	2.5	0.4	0	1.5	0.8	1.7	1.65	0.45	1.5	2.5	0.5	1.5	2.6	0.65	1.5	0.3	0	1	2.5
Strata	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	MG	MG	NAT	NAT	MG	MG	ASB?	MG	MG	MG
Asbestos Identified	N	N	-																	
Asbestos Screen Name																				
Asbestos Quant. (Stage 2)																				
Asbestos Quant. Total																				
Asbestos Quant. (Stage 3)																				
Asbestos Quant. Total (Stages 2+3)																				
Asbestos Containing Material Types Detected (ACM)																				
FOC (dimensionless)	0.006	0.008	+	0.005	0.012	0.008	0.005	0.004	0.023	0.002		0.052	+		0.017	0.005		0.009	0.055	
SOM (calculated)	1.0344	1.3792	+	0.862	2.0688	1.3792	0.862	0.6896	3.9652	0.3448		8.9648	+	+	2.9308	0.862	+	1.5516	9.482	
pH (su)	10.7	8.9	+	11	8.2	8	7.9	8	7.9	7.7		7.7	+		8	7.8		9.6	8.3	
Arsenic	8	7	+	6	17	15	28	25	19	12		26	+		16	14		10	55	
Beryllium	<0.5	<0.5	+	<0.5	0.5	0.6	0.8	0.9	1	<0.5		2.2	+		0.6	0.7		<0.5	<0.5	
Boron	<1	<1	+	<1	<1	<1	<1	<1	1.5	<1		<1	+		<1	<1		<1	<1	
Cadmium	<0.2	<0.2	+	<0.2	0.5	1.4	<0.2	<0.2	0.3	<0.2		1	+		0.2	<0.2		<0.2	5.3	
Chromium (III)	13	7	+	9	16	15	19	21	17	10		17	+		13	16		12	8	
Chromium (VI)	2	2	+	2	2	2	2	2	2	2		2	+		2	2		2	2	
Chromium (Total)	15	9	+	11																
Copper	9	14	+	7	19	23	13	12	42	6		69	+		35	9		10	9	
Lead	19	68	+	18	329	80	20	20	187	7		283	+		122	17		44	155	
Mercury, inorganic	<1	<1	+	<1	<1	<1	<1	<1	<1	<1		1.2	+		<1	<1		<1	<1	
Nickel	8	6	+	5	10	14	28	30	19	14		25	+		13	17		8	7	
Selenium	<2	<2	+	<2	<2	<2	<2	<2	<2	<2		<2	+		<2	<2		<2	<2	
Vanadium	20	14	+	13	22	34	46	53	37	23		39	+		31	34		20	9	
Zinc	47	75	+	31	199	185	70	49	133	23		801	+		94	44		87	591	
Cyanide (free)	<1	<1	+	<1	<1	<1	<1	<1	<1	<1		<1	+		<1	<1		<1	<1	
Total Phenols (Monohydric)	<2	<2	+	<2	<2	<2	<2	<2	<2	<2		<2	+		<2	<2		<2	<2	
Acenaphthene	0.16	0.14	+	0.37	0.29	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	+		<0.1	<0.1		2.47	<0.1	
Acenaphthylene	<0.1	<0.1	+	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	+		<0.1	<0.1		<0.1	<0.1	
Anthracene	0.36	<0.1	+	0.82	0.54	<0.1	0.14	<0.1	<0.1	<0.1		0.14	+		<0.1	<0.1		5.22	<0.1	
Benz(a)anthracene	2.17	0.47	+	2.13	2.2	<0.1	0.4	<0.1	<0.1	<0.1		1.29	+		<0.1	<0.1		11.1	<0.1	
Benzo(a)pyrene	1.84	0.34	+	1.86	1.85	<0.1	0.31	<0.1	0.12	<0.1		1.18	+		<0.1	<0.1		8.64	<0.1	
Benzo(b)fluoranthene	2.31	0.37	+	2.33	2.34	<0.1	0.39	<0.1	0.12	<0.1		1.36	+		<0.1	0.11		11.4	<0.1	
Benzo(ghi)perylene	0.95	0.14	+	0.89	1	<0.1	0.17	<0.1	<0.1	<0.1		0.54	+		<0.1	<0.1		4	<0.1	
Benzo(k)fluoranthene	0.65	0.15	+	0.63	0.58	<0.1	0.15	<0.1	<0.1	<0.1		0.36	+		<0.1	<0.1		3.68	<0.1	
Chrysene	1.68	0.34	+	2.22	1.97	<0.1	0.42	<0.1	0.15	<0.1		1.27	+		<0.1	0.15		10.8	<0.1	
Dibenz(ah)anthracene	0.22	<0.1	+	0.24	0.3	<0.1	<0.1	<0.1	<0.1	<0.1		0.14	+		<0.1	<0.1		1.35	<0.1	
Fluoranthene	3.59	1.01	+	5.6	4.47	<0.1	0.99	<0.1	0.26	<0.1		2.43	+		<0.1	0.3		30.1	<0.1	
Fluorene	0.14	<0.1	+	0.33	0.25	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	+		<0.1	<0.1		2.43	<0.1	
Indeno(123cd)pyrene	1.65	0.19	+	1.16	1.3	<0.1	0.24	<0.1	<0.1	<0.1		0.65	+		<0.1	<0.1		5.18	<0.1	
Naphthalene	<0.1	<0.1	+	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	+		<0.1	<0.1		<0.1	<0.1	
Phenanthrene	1.43	0.82	+	3.3	2.32	<0.1	0.64	<0.1	0.2	<0.1		0.75	+		<0.1	0.2		20	<0.1	
Pyrene	3.18	0.85	+	4.05	3.39	<0.1	0.72	<0.1	0.2	<0.1		2.33	+		<0.1	0.22		21.6	<0.1	
PAH 16 Total	20.3	4.8	+	25.9	22.8	<1.6	4.6	<1.6	<1.6	<1.6		12.4	+		<1.6	<1.6		138	<1.6	
TPH ali EC05-EC06	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	+	+	<0.01	<0.01		<0.01	<0.01	<0.01
TPH ali >EC06-EC08	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	+	+	<0.05	<0.05		<0.05	<0.05	<0.05
TPH ali >EC08-EC10	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	<2	<2	+	+	<2	<2		<2	<2	<2
TPH ali >EC10-EC12	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	<2	<2	+	+	<2	<2		<2	<2	<2
TPH ali >EC12-EC16	<3	<3	+	<3	<3	<3	<3	<3	<3	<3	<3	<3	+	+	<3	<3		<3	<3	<3
TPH ali >EC16-EC21																				
TPH ali >EC21-EC35																				
TPH ali >EC16-EC35	<10	<10	+	183	<10	<10	<10	<10	<10	<10	<10	<10	+	+	<10	<10		85	<10	<10
TPH ali >EC35-EC44	<10	<10	+	<10	<10	<10	<10	<10	<10	<10	<10	<10	+	+	<10	<10		<10	<10	<10
TPH ali >EC5-EC35																				
TPH ali >EC5-EC44	<30	<30	+	183	<30	<30	<30	<30	<30	<30	<30	<30	+	+	<30	<30		85	<30	<30
TPH aro EC05-EC07	<0.01	<0.01	+	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	+	+	<0.01	<0.01		<0.01	<0.01	<0.01
TPH aro >EC07-EC08	<0.05	<0.05	+	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	+	+	<0.05	<0.05		<0.05	<0.05	<0.05
TPH aro >EC08-EC10	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	<2	<2	+	+	<2	<2		<2	<2	<2
TPH aro >EC10-EC12	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	<2	<2	+	+	<2	<2		<2	<2	<2
TPH aro >EC12-EC16	<2	<2	+	<2	<2	<2	<2	<2	<2	<2	<2	<2	+	+	<2	<2		7	<2	<2
TPH aro >EC16-EC21	10	5	+	8	10	<3	4	<3	<3	<3	<3	10	+	+	<3	<3		70	<3	<3
TPH aro >EC21-EC35	22	<10	+	30	34	<10	<10	<10	<10	<10	<10	31	+	+	<10	<10		151	<10	<10
TPH aro >EC35-EC44	<10	<10	+	<10	<10	<10	<10	<10	<10	<10	<10	<10	+	+	<10	<10		13	<10	<10
TPH aro >EC5-EC35																				
TPH aro >EC5-EC44	32	<30	+	38	44	<30	<30	<30	<30	<30	<30	41	+	+	<30	<30		242	<30	<30
Total TPH >EC5-EC44	<60	<60	+	222	<60	<60	<60	<60	<60	<60	<60	<60	+	+	<60	<60		327	<60	<60
Benzene	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	+	+	<0.002	<0.002		<0.002	<0.002	<0.002
Toluene	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	+	+	<0.005	<0.005		<0.005	<0.005	<0.005
Ethylbenzene	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	+	+	<0.002	<0.002		<0.002	<0.002	<0.002
Xylene, o-	0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	+	+	<0.002	<0.002		<0.002	<0.002	<0.002
Xylene, p- (or combined m & p)	<0.002	<0.002	+	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	+	+	<0.002	<0.002		<0.002	<0.002	<0.002
MTBE	<0.005	<0.005	+	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	+	+	<0.005	<0.005		<0.005	<0.005	<0.005

Risk parameter: Default - Human Health - residential without home-grown produce (CSOM3)
Client: Abri
Site: Chatham Street
Job no.: 19411
Lab. report no(s).: 23-087301, 23081211

Data Filters
Zone: AE
Strata: NAT
Depth Min (m bgl): 0
Depth Max (m bgl): 2.7
Dataset mean(SOM1): 4.77
Summary Stats: Yes

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All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	95% Saturation Limit (eS) SOM	Soil Saturation Limit (mg/kg)	GAC	GAC Source
	Asbestos													
Pa110	Asbestos Identified	text	Y/N	43	-	-	-	-	No. of detects	0	-	-	-	-
Pa89g	Asbestos Screen Name	text		0	-	-	-	-	-	-	-	-	-	-
Pa89j	Asbestos Quant, Stage 2c	%	0.001	0						No. > LOD	-	-	-	-
Pa93	Asbestos Quant, Total	%	0.001	0						No. > LOD	-	-	-	-
Pa90	Asbestos Quant, Stage 3*	%	0.001	0						No. > LOD	-	-	-	-
	Asbestos Quant, Total Stages 2+3*	%	0.001	0						No. > LOD	-	-	-	-
Pa89o	Asbestos Containing Material Types Detected in ACM	text		0	-	-	-	-	-	-	-	-	-	-
a	**Hydrock Default Suite - FOC / SOM / pH**													
Te115	FOC - Ellenbenderd	%	0.005	11	0.001	0.057	0.009	0.004	0.016	0.00		-	-	-
	SOM (calculated)	%	0.0724	11	0.17	1.23	0.77	0.69	0.31			-	-	-
Pc134	pH (lab)	pH Units	0.1	11	7.60	8.40	7.98	8.10	0.28			-	-	-
	Hydrock Default Suite - Metals & Hexi											-		
7440-38-2	Arsenic	mg/kg	1	11	7.00	30.00	16.91	16.00	6.55	0	NA	5	40	RTV
7440-41-7	Beryllium	mg/kg	0.05	11	0.50	1.00	0.68	0.70	0.16	0	NA	5	70	RTV
7440-42-8	Boron	mg/kg	0.2	11	1.00	1.00	1.00	1.00	0.00	0	NA	5	11000	RTV
7440-43-9	Cadmium	mg/kg	0.2	11	0.20	0.20	0.20	0.20	0.00	0	NA	5	87	RTV
18540-29-9	Chromium (III)	mg/kg	1	11	4.00	25.00	17.27	18.00	6.22	0	NA	5	910	-
18540-29-9	Chromium (VI)	mg/kg	0.8	11	2.00	2.00	2.00	2.00	0.00	0	NA	5	21	-
7440-47-3	Chromium (Total)	mg/kg	1	10	8.00	27.00	18.70	19.50	6.22	0	-	-	910	RTV
7440-50-8	Copper	mg/kg	1	11	6.00	13.00	9.55	10.00	2.50	0	NA	5	2400	RTV
7439-92-1	Lead	mg/kg	1	10	9.00	24.00	12.80	10.50	5.63	0	NA	5	310	RTV
7439-97-6	Mercury, Inorganic	mg/kg	0.1	11	1.00	1.00	1.00	1.00	0.00	0	NA	5	240	RTV
7440-02-0	Nickel	mg/kg	1	11	7.00	27.00	17.64	16.00	6.21	0	NA	5	130	RTV
7782-49-2	Selenium	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	NA	5	430	RTV
7440-62-2	Vanadium	mg/kg	1	11	14.00	57.00	31.73	30.00	12.47	0	NA	5	1200	RTV
7440-66-6	Zinc	mg/kg	1	11	18.00	60.00	38.27	35.00	13.52	0	NA	5	930	RTV
74-90-8	Cyanide (free)	mg/kg	1	11	1.00	1.00	1.00	1.00	0.00	0	NA	5	800	RTV
74185	Total Phenols (Monohydric)	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	26237	5	760	RTV
91-20-3	Acenaphthene	mg/kg	0.05	11	0.10	1.95	0.65	0.10	1.04	0	17	5	3000	RTV
208-96-8	Acenaphthylene	mg/kg	0.05	11	0.10	0.10	0.10	0.10	0.00	0	86	5	2900	RTV
120-12-7	Anthracene	mg/kg	0.05	11	0.10	7.86	0.77	0.10	2.22	0	1.17	5	31000	RTV
56-55-3	Benz(a)anthracene	mg/kg	0.05	11	0.10	**10.30**	1.05	0.10	3.14	1	0.71	5	5.5	RTV
50-32-8	Benzo(a)pyrene	mg/kg	0.05	11	0.10	**9.59**	0.96	0.10	2.90	1	0.11	5	1.1	RTV
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	11	0.10	11.00	1.08	0.10	3.29	1	0.22	5	11	RTV
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	11	0.10	6.88	0.50	0.10	1.92	0	0.02	5	71	RTV
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	11	0.10	6.38	0.60	0.10	1.91	0	0.03	5	11	RTV
218-01-9	Chrysene	mg/kg	0.05	11	0.10	11.20	1.13	0.10	3.35	0	0.84	5	11	RTV
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	11	0.10	**1.30**	0.21	0.10	0.38	1	0.006	5	1.1	RTV
206-44-0	Fluoranthene	mg/kg	0.05	11	0.10	30.00	2.60	0.10	9.08	0	19	5	1500	RTV
86-73-7	Fluorene	mg/kg	0.05	11	0.10	3.63	0.42	0.10	1.06	0	31	5	2800	RTV
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	11	0.10	5.84	0.60	0.10	1.67	0	0.06	5	6.3	RTV
91-20-3	Naphthalene	mg/kg	0.05	11	0.10	0.16	0.11	0.10	0.02	0	76	5	2.3	RTV
85-01-8	Phenanthrene	mg/kg	0.05	11	0.10	25.00	2.06	0.10	7.51	0	86	5	1300	RTV
129-00-0	Pyrene	mg/kg	0.05	11	0.10	23.80	1.90	0.10	6.78	0	2.2	5	3700	RTV
Tr292	PAH 16 Total	mg/kg	0.8	11	1.60	148.00	11.05	1.60	46.48				40	
a	**TPH fractions**													
Pa207	TPH ali EC05-EC06	mg/kg	0.003	11	0.01	0.01	0.01	0.01	0.000	0	304	5	42	RTV
Pa208	TPH ali >EC06-EC08	mg/kg	0.003	11	0.01	0.01	0.01	0.01	0.000	0	144	5	109	RTV
Pa209	TPH ali >EC08-EC10	mg/kg	0.003	11	2.00	2.00	2.00	2.00	0.000	0	78	5	27	RTV
Pa210	TPH ali >EC10-EC12	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	86	5	46	RTV
Pa211	TPH ali >EC12-EC16	mg/kg	2	11	9.00	9.00	9.00	9.00	0.55	0	24	5	24	RTV
Pa212	TPH ali >EC16-EC21	mg/kg	8	11										
Pa213	TPH ali >EC21-EC35	mg/kg	8	11										
Pa238	TPH ali >EC16-EC35	mg/kg	32	11	10.00	68.00	12.73	10.00	9.81	0	9	5	15000	RTV
Pa215	TPH ali >EC35-EC44	mg/kg	8.4	11	10.00	10.00	10.00	10.00	0.00	0	9	5	15000	RTV
Pa216	TPH ali >EC35-EC35	mg/kg	32	11										
Pa220	TPH ali >EC5-EC44	mg/kg	32	11	10.00	57.00	11.91	10.00	6.97					
Pa221	TPH aro EC05-EC07	mg/kg	0.001	11	0.01	0.01	0.01	0.01	0.00	0	1218	5	370	RTV
Pa222	TPH aro >EC07-EC08	mg/kg	0.003	11	0.01	0.01	0.01	0.01	0.00	0	869	5	860	RTV
Pa223	TPH aro >EC08-EC10	mg/kg	0.003	11	2.00	2.00	2.00	2.00	0.00	0	868	5	47	RTV
Pa224	TPH aro >EC10-EC12	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	868	5	250	RTV
Pa228	TPH aro >EC12-EC16	mg/kg	2	11	2.00	9.00	2.47	2.00	1.81	0	868	5	1900	RTV
Pa229	TPH aro >EC16-EC21	mg/kg	10	11	3.00	79.00	9.27	3.00	22.62	0	14	5	1900	RTV
Pa230	TPH aro >EC21-EC35	mg/kg	32	11	10.00	85.00	21.09	10.00	29.36	0	5	5	1900	RTV
Pa231	TPH aro >EC35-EC44	mg/kg	8.4	11	10.00	10.00	10.00	10.00	0.00	0	5	5	1900	RTV
Pa235	TPH aro >EC5-EC35	mg/kg	32	0										
Pa240	TPH aro >EC5-EC44	mg/kg	40	11	30.00	179.00	36.18	30.00	46.62					
Pa173	Total TPH >EC5-EC44	mg/kg	40	11	40.00	230.00	75.91	40.00	69.89					
a	**VOCs - BTEX & MTBE**													
71-43-2	Benzene	mg/kg	1	11	0.00	0.00	0.00	0.00	0.00	0	1118	5	0.48	0
108-88-3	Toluene	mg/kg	1	11	0.01	0.01	0.01	0.01	0.00	0	868	5	660	0
100-41-4	Ethylbenzene	mg/kg	1	11	0.00	0.01	0.00	0.00	0.00	0	518	5	81	0
95-47-6	Xylene, o-	mg/kg	1	11	0.00	0.01	0.00	0.00	0.00	0	678	5	88	0
1330-20-7	Xylene, p- (or combined m & p)	mg/kg	1	11	0.00	0.00	0.00	0.00	0.00	0	576	5	79	0
1634-04-4	MTBE	mg/kg	1	11	0.01	0.01	0.01	0.01	0.00	0	2058	5	105	0

Assessment of Chemicals of Potential Concern to Plant Life

Risk parameter: Phytotoxic pH 7
Client: Abri
Site: Chatham Street
Job no.: 19411
Lab. report no(s).: 23-08730.1, 2308824.1

Data Filters
Zone: All
Strata: MG
Depth Min (m bgl): 0
Depth Max (m bgl): 2.7

Dataset mean pH: 8.87
Scenario pH: 7

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All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source
0	**Hydrock Default Suite - FOC / SOM / pH**											
P1334	pH (su)	pH Units	0.1	38	7.10	11.80	8.87	8.00	1.44		-	-
-	**Hydrock Default Suite - Metals & PAH**											
7440-38-2	Arsenic	mg/kg	1	38	2.00	55.00	14.58	14.00	10.13	0	250	MAFF 1998
7440-42-8	Boron	mg/kg	0.2	38	1.00	3.50	1.13	1.00	0.44	0	5	Nable, et al. 1997
16065-83-1	Chromium (III)	mg/kg	1	38	2.00	27.00	14.26	16.00	5.29	0	400	MAFF 1998 (Cr(T))
18540-29-9	Chromium (VI)	mg/kg	1.8	38	2.00	2.00	2.00	2.00	0.00	0	25	ICRCL 70/90 1990
7440-50-8	Copper	mg/kg	1	38	4.00	**296.00**	30.21	13.50	49.95	**1**	135	BS3882 2015
7440-02-0	Nickel	mg/kg	1	38	3.00	31.00	13.26	12.00	7.63	0	75	BS3882 2015
7440-66-6	Zinc	mg/kg	1	38	3.00	**801.00**	123.82	71.00	179.78	**3**	300	BS3882 2015

Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone																				
Location	WS107	WS107	WS107	WS109	WS109	WS109	WS110	WS110	WS113	WS114	WS114	WS115	WS115	WS115	WS116	WS116	WS117	WS117A	WS117A	WS117A
Depth (m bgl)	0.6	1.7	2.6	0.7	1.64	2.6	0.7	1.7	2.4	1.4	2.4	0.3	0.6	2.7	1.4	1.75	0.7	0.7	1.2	2
Strata	MG	NAT	NAT	MG	MG	NAT	MG	NAT	MG	MG	NAT	MG	MG	NAT	MG	NAT	MG	MG	MG	NAT
pH (su)	7.5	+		10.7		+	7.8	+	7.8	7.8		10.1	8.1		8	+			7.8	+
Arsenic	25	+		3		+	4	+	23	12		10	15		15	+			16	+
Boron	<1	+		<1		+	<1	+	1	<1		3.5	<1		1.2	+			<1	+
Chromium (III)	18	+		6		+	7	+	21	16		11	18		16	+			18	+
Chromium (VI)	2	+		2		+	2	+	2	2		2	2		2	+			2	+
Copper	56	+		5		+	7	+	296	16		12	22		32	+			12	+
Nickel	24	+		5		+	4	+	20	11		9	15		16	+			12	+
Zinc	205	+		15		+	10	+	173	39		81	112		72	+			44	+

Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone																				
Location	WS118	WS118	WS119	WS119	WS120	WS120	WS120	WS121	WS121	WS122	WS122	WS122	WS123	WS123	WS123	WS124	WS124	WS125	WS125	WS125
Depth (m bgl)	0.6	2.2	1.1	2.5	0.2	1.2	2.3	0.2	1.4	0.2	1.5	2.6	0.4	1.5	2.4	0.5	1	0.4	1.6	2.5
Strata	MG	MG	MG	NAT	MG	MG	NAT	MG	MG	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	NAT
pH (su)	7.3	8	7.1	+	9.8	8	+	11.8	10.3	10.6	7.9	+	10.8		8.3	10.9	11.4	11.8	7.9	+
Arsenic	32	18	20	+	14	14	+	5	13	4	12	+	9		16	<2	5	7	<2	+
Boron	1.5	<1	1.9	+	1.3	<1	+	<1	<1	<1	<1	+	<1		<1	<1	<1	<1	<1	+
Chromium (III)	21	15	17	+	27	16	+	21	15	8	17	+	16		16	5	12	10	2	+
Chromium (VI)	2	2	2	+	2	2	+	2	2	2	2	+	2		2	2	2	2	2	+
Copper	107	8	80	+	20	52	+	44	25	7	9	+	8		20	4	8	17	<4	+
Nickel	31	23	19	+	19	13	+	9	12	5	12	+	7		14	<3	7	7	<3	+
Zinc	700	47	118	+	128	97	+	61	107	25	41	+	28		89	9	25	47	3	+

Date	30/06/2023	30/06/2023	30/06/2023	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23
Zone																				
Location	WS126	WS126	WS126	WS101	WS101	WS102	WS102	WS103	WS104	WS104	WS104	WS105	WS105	WS105	WS111	WS111	WS112	WS112	WS112	WS112
Depth (m bgl)	0.4	2.5	0.4	0	1.5	0.8	1.7	1.65	0.45	1.5	2.5	0.5	1.5	2.6	0.65	1.5	0.3	0	1	2.5
Strata	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	MG	MG	NAT	NAT	MG	MG	ASB?	MG	MG	MG
pH (su)	10.7	8.9	+	11	8.2	8	7.9	8	7.9	7.7		7.7	+		8	7.8		9.6	8.3	
Arsenic	8	7	+	6	17	15	28	25	19	12		26	+		16	14		10	55	
Boron	<1	<1	+	<1	<1	<1	<1	<1	1.5	<1		<1	+		<1	<1		<1	<1	
Chromium (III)	13	7	+	9	16	15	19	21	17	10		17	+		13	16		12	8	
Chromium (VI)	2	2	+	2	2	2	2	2	2	2		2	+		2	2		2	2	
Copper	9	14	+	7	19	23	13	12	42	6		69	+		35	9		10	9	
Nickel	8	6	+	5	10	14	28	30	19	14		25	+		13	17		8	7	
Zinc	47	75	+	31	199	185	70	49	133	23		801	+		94	44		87	591	

Legend:

MG	Made Ground	<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate
Nat	Natural	0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
XX	XX Other Codes	64.00	Value exceed saturation limit and substance is liquid or solid at ambient temperature
		*<10	Value excluded from statistical analysis
		Y	Text result
		-	Represents a determinand that was not tested.
		+	represents a data point that is not included in the current filter settings

Template Version:
1.05: 11/04/23

Assessment of Chemicals of Potential Concern to Plant Life

Risk parameter: Phytotoxic pH 7
Client: Abri
Site: Chatham Street
Job no.: 19411
Lab. report no(s).: 23-08730.1, 2308824.1

Data Filters
Zone: All
Strata: NAT
Depth Min (m bgl): 0
Depth Max (m bgl): 2.7

Dataset mean pH: 7.99
Scenario pH: 7

Hydrock

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source
0	**Hydrock Default Suite - FOC / SOM / pH**											
P1334	pH (su)	pH Units	0.1	11	7.60	8.40	7.99	8.10	0.28		-	-
-	**Hydrock Default Suite - Metals & PAH**											
7440-38-2	Arsenic	mg/kg	1	11	7.00	30.00	16.91	18.00	6.55	0	250	MAFF 1998
7440-42-8	Boron	mg/kg	0.2	11	1.00	1.00	1.00	1.00	0.00	0	5	Nable, et al. 1997
16065-83-1	Chromium (III)	mg/kg	1	11	6.00	25.00	17.27	18.00	6.02	0	400	MAFF 1998 (Cr(T))
18540-29-9	Chromium (VI)	mg/kg	1.8	11	2.00	2.00	2.00	2.00	0.00	0	25	ICRCL 70/90 1990
7440-50-8	Copper	mg/kg	1	11	4.00	13.00	9.55	10.00	2.50	0	135	BS3882 2015
7440-02-0	Nickel	mg/kg	1	11	7.00	27.00	17.64	19.00	6.25	0	75	BS3882 2015
7440-66-6	Zinc	mg/kg	1	11	18.00	61.00	38.27	35.00	13.02	0	300	BS3882 2015

Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone																				
Location	WS107	WS107	WS107	WS109	WS109	WS109	WS110	WS110	WS113	WS114	WS114	WS115	WS115	WS115	WS116	WS116	WS117	WS117A	WS117A	WS117A
Depth (m bgl)	0.6	1.7	2.6	0.7	1.64	2.6	0.7	1.7	2.4	1.4	2.4	0.3	0.6	2.7	1.4	1.75	0.7	0.7	1.2	2
Strata	MG	NAT	NAT	MG	MG	NAT	MG	NAT	MG	MG	NAT	MG	MG	NAT	MG	NAT	MG	MG	MG	NAT
pH (su)	+	8.3		+		8.1	+	7.6	+	+		+	+		+	7.6			+	8.1
Arsenic	+	13		+		19	+	11	+	+		+	+		+	21			+	7
Boron	+	<1		+		<1	+	<1	+	+		+	+		+	<1			+	<1
Chromium (III)	+	17		+		22	+	16	+	+		+	+		+	21			+	6
Chromium (VI)	+	2		+		2	+	2	+	+		+	+		+	2			+	2
Copper	+	10		+		12	+	10	+	+		+	+		+	11			+	<4
Nickel	+	13		+		22	+	10	+	+		+	+		+	21			+	7
Zinc	+	44		+		38	+	33	+	+		+	+		+	41			+	18

Date	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023	30/06/2023
Zone																				
Location	WS118	WS118	WS119	WS119	WS120	WS120	WS120	WS121	WS121	WS122	WS122	WS122	WS123	WS123	WS123	WS124	WS124	WS125	WS125	WS125
Depth (m bgl)	0.6	2.2	1.1	2.5	0.2	1.2	2.3	0.2	1.4	0.2	1.5	2.6	0.4	1.5	2.4	0.5	1	0.4	1.6	2.5
Strata	MG	MG	MG	NAT	MG	MG	NAT	MG	MG	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	NAT
pH (su)	+	+	+	7.9	+	+	8	+	+	+	+	8.2	+		+	+	+	+	+	8.1
Arsenic	+	+	+	18	+	+	22	+	+	+	+	10	+		+	+	+	+	+	30
Boron	+	+	+	<1	+	+	<1	+	+	+	+	<1	+		+	+	+	+	+	<1
Chromium (III)	+	+	+	14	+	+	18	+	+	+	+	8	+		+	+	+	+	+	25
Chromium (VI)	+	+	+	2	+	+	2	+	+	+	+	2	+		+	+	+	+	+	2
Copper	+	+	+	8	+	+	9	+	+	+	+	7	+		+	+	+	+	+	11
Nickel	+	+	+	19	+	+	18	+	+	+	+	13	+		+	+	+	+	+	27
Zinc	+	+	+	32	+	+	35	+	+	+	+	26	+		+	+	+	+	+	60

Date	30/06/2023	30/06/2023	30/06/2023	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23	28/06/23
Zone																				
Location	WS126	WS126	WS126	WS101	WS101	WS102	WS102	WS103	WS104	WS104	WS104	WS105	WS105	WS105	WS111	WS111	WS112	WS112	WS112	WS112
Depth (m bgl)	0.4	2.5	0.4	0	1.5	0.8	1.7	1.65	0.45	1.5	2.5	0.5	1.5	2.6	0.65	1.5	0.3	0	1	2.5
Strata	MG	MG	NAT	MG	MG	MG	MG	MG	MG	MG	MG	MG	NAT	NAT	MG	MG	ASB?	MG	MG	MG
pH (su)	+	+	8.4	+	+	+	+	+	+	+		+	7.6		+	+		+	+	
Arsenic	+	+	15	+	+	+	+	+	+	+		+	20		+	+		+	+	
Boron	+	+	<1	+	+	+	+	+	+	+		+	<1		+	+		+	+	
Chromium (III)	+	+	20	+	+	+	+	+	+	+		+	23		+	+		+	+	
Chromium (VI)	+	+	2	+	+	+	+	+	+	+		+	2		+	+		+	+	
Copper	+	+	10	+	+	+	+	+	+	+		+	13		+	+		+	+	
Nickel	+	+	19	+	+	+	+	+	+	+		+	25		+	+		+	+	
Zinc	+	+	33	+	+	+	+	+	+	+		+	61		+	+		+	+	

Legend:

MG	Made Ground	<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate
Nat	Natural	0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
XX	XX Other Codes	64.00	Value exceed saturation limit and substance is liquid or solid at ambient temperature
		*<10	Value excluded from statistical analysis
		Y	Text result
		-	Represents a determinand that was not tested.
		+	represents a data point that is not included in the current filter settings

Template Version:
1.05: 11/04/23

Lily Cherry
Hydrock
22 Long Acre
London
WC2E 9LY

Derwentside Environmental Testing Services Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410

DETS Report No: 23-14360

Site Reference:	115 Chatham Street
Project / Job Ref:	19411
Order No:	PO30217
Sample Receipt Date:	17/11/2023
Sample Scheduled Date:	22/11/2023
Report Issue Number:	1
Reporting Date:	13/12/2023

Authorised by:

Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

DETS Ltd
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Lenham Heath
Maidstone
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4480

Soil Analysis Certificate						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle	WS113 Middle	WS113 Middle
Project / Job Ref: 19411	**Additional Refs**	MG	MG	NAT	NAT	NAT
Order No: PO30217	**Depth (m)**	1.40	1.40	2.40	2.40	3.00
Reporting Date: 13/12/2023	**DETS Sample No**	686782	686783	686784	686785	686786

Determinand	Unit	RL	Accreditation					
						(n)		
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected		Not Detected		Not Detected
pH	pH Units	N/a	MCERTS	8.8		8.3		8.3
Free Cyanide	mg/kg	< 1	NONE	< 1		< 1		< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS	0.017		0.004		0.001
Arsenic (As)	mg/kg	< 2	MCERTS	16		31		14
Beryllium (Be)	mg/kg	< 0.5	MCERTS	0.7		0.8		< 0.5
W/S Boron	mg/kg	< 1	NONE	< 1		< 1		< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.3		< 0.2		< 0.2
Chromium (III)	mg/kg	< 2	NONE	15		16		8
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2		< 2		< 2
Copper (Cu)	mg/kg	< 4	MCERTS	32		8		< 4
Lead (Pb)	mg/kg	< 3	MCERTS	143		17		6
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1		< 1		< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	14		21		12
Selenium (Se)	mg/kg	< 2	MCERTS	< 2		< 2		< 2
Vanadium (V)	mg/kg	< 1	MCERTS	35		44		24
Zinc (Zn)	mg/kg	< 3	MCERTS	145		44		24
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2		< 2		< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)
(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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4480

Soil Analysis Certificate						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 East	WS113 East	WS113 South	WS113 South
Project / Job Ref: 19411	**Additional Refs**	NAT	MG	NAT	MG	NAT
Order No: PO30217	**Depth (m)**	3.00	2.00	2.50	1.80	2.90
Reporting Date: 13/12/2023	**DETS Sample No**	686787	686788	686789	686790	686791

Determinand	Unit	RL	Accreditation					
						(n)	(n)	(n)
Asbestos Screen (S)	N/a	N/a	ISO17025		Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS		8.6	8.4	8.4	8.0
Free Cyanide	mg/kg	< 1	NONE		< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	MCERTS		0.010	0.002	0.020	0.004
Arsenic (As)	mg/kg	< 2	MCERTS		17	21	25	16
Beryllium (Be)	mg/kg	< 0.5	MCERTS		0.9	0.6	1.2	0.5
W/S Boron	mg/kg	< 1	NONE		< 1	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	MCERTS		0.3	< 0.2	0.4	< 0.2
Chromium (III)	mg/kg	< 2	NONE		17	15	23	12
Chromium (hexavalent)	mg/kg	< 2	NONE		< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS		25	5	118	14
Lead (Pb)	mg/kg	< 3	MCERTS		92	12	2260	180
Mercury (Hg)	mg/kg	< 1	MCERTS		< 1	< 1	11.3	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS		17	20	12	14
Selenium (Se)	mg/kg	< 2	MCERTS		< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	MCERTS		36	42	22	29
Zinc (Zn)	mg/kg	< 3	MCERTS		108	37	299	46
Total Phenols (monohydric)	mg/kg	< 2	NONE		< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

DETS Ltd
Unit 1, Rose Lane Industrial Estate
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Maidstone
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Soil Analysis Certificate						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 West	WS113 West	WS113 North	WS113 North	
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	
Order No: PO30217	**Depth (m)**	2.00	2.60	2.00	2.40	
Reporting Date: 13/12/2023	**DETS Sample No**	686792	686793	686794	686795	

Determinand	**Unit**	**RL**	**Accreditation**	(n)	(n)			
Asbestos Screen (S)	N/a	N/a	**ISO17025**	Not Detected	Not Detected	Not Detected	Not Detected	
pH	pH Units	N/a	**MCERTS**	9.2	7.9	8.9	8.3	
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	
Fraction Organic Carbon (FOC)	Units	< 0.001	**MCERTS**	0.014	0.002	0.008	0.001	
Arsenic (As)	mg/kg	< 2	**MCERTS**	14	18	23	14	
Beryllium (Be)	mg/kg	< 0.5	**MCERTS**	0.7	0.8	0.8	< 0.5	
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	
Cadmium (Cd)	mg/kg	< 0.2	**MCERTS**	0.2	< 0.2	0.3	< 0.2	
Chromium (III)	mg/kg	< 2	NONE	15	15	17	9	
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	
Copper (Cu)	mg/kg	< 4	**MCERTS**	26	5	17	< 4	
Lead (Pb)	mg/kg	< 3	**MCERTS**	112	13	101	11	
Mercury (Hg)	mg/kg	< 1	**MCERTS**	< 1	< 1	< 1	< 1	
Nickel (Ni)	mg/kg	< 3	**MCERTS**	14	19	17	11	
Selenium (Se)	mg/kg	< 2	**MCERTS**	< 2	< 2	< 2	< 2	
Vanadium (V)	mg/kg	< 1	**MCERTS**	34	41	41	22	
Zinc (Zn)	mg/kg	< 3	**MCERTS**	95	32	105	23	
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
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Tel : 01622 850410

Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle	WS113 East	WS113 East
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	NAT
Order No: PO30217	**Depth (m)**	1.40	2.40	3.00	2.00	2.50
Reporting Date: 13/12/2023	**DETS Sample No**	686782	686784	686786	686788	686789

Determinand	Unit	RL	Accreditation					
				(n)				(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	0.19	< 0.1	< 0.1	0.32	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	0.18	< 0.1	< 0.1	0.28	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	1.73	< 0.1	< 0.1	2.32	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	0.61	< 0.1	< 0.1	0.53	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	2.71	< 0.1	< 0.1	3.34	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	2.03	< 0.1	< 0.1	2.73	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	1.02	< 0.1	< 0.1	1.41	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	0.99	< 0.1	< 0.1	1.34	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	1.19	< 0.1	< 0.1	1.66	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.28	< 0.1	< 0.1	0.38	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.82	< 0.1	< 0.1	1.13	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.47	< 0.1	< 0.1	0.61	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.13	< 0.1	< 0.1	0.14	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.38	< 0.1	< 0.1	0.51	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	12.7	< 1.6	< 1.6	16.7	< 1.6

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 South	WS113 South	WS113 West	WS113 West	WS113 North
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	MG
Order No: PO30217	**Depth (m)**	1.80	2.90	2.00	2.60	2.00
Reporting Date: 13/12/2023	**DETS Sample No**	686790	686791	686792	686793	686794

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.12
Fluorene	mg/kg	< 0.1	MCERTS	0.12	< 0.1	< 0.1	< 0.1	0.11
Phenanthrene	mg/kg	< 0.1	MCERTS	1.43	0.12	0.68	< 0.1	1.20
Anthracene	mg/kg	< 0.1	MCERTS	0.28	< 0.1	0.17	< 0.1	0.27
Fluoranthene	mg/kg	< 0.1	MCERTS	2.16	0.22	1.51	0.14	2.27
Pyrene	mg/kg	< 0.1	MCERTS	1.70	0.20	1.27	0.12	1.73
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	1.04	0.11	0.79	< 0.1	1.03
Chrysene	mg/kg	< 0.1	MCERTS	1	0.13	0.82	< 0.1	1.02
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	1.53	0.18	1.05	0.11	1.38
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.32	< 0.1	0.26	< 0.1	0.32
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	1.04	0.12	0.67	< 0.1	0.93
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.72	< 0.1	0.48	< 0.1	0.58
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.15	< 0.1	< 0.1	< 0.1	0.12
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.60	< 0.1	0.39	< 0.1	0.47
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	12.1	< 1.6	8.1	< 1.6	11.6

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Soil Analysis Certificate - Speciated PAHs							
DETS Report No: 23-14360	**Date Sampled**	17/11/23					
Hydrock	**Time Sampled**	None Supplied					
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 North					
Project / Job Ref: 19411	**Additional Refs**	NAT					
Order No: PO30217	**Depth (m)**	2.40					
Reporting Date: 13/12/2023	**DETS Sample No**	686795					

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1				
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1				
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1				
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1				
Phenanthrene	mg/kg	< 0.1	MCERTS	0.36				
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Fluoranthene	mg/kg	< 0.1	MCERTS	0.57				
Pyrene	mg/kg	< 0.1	MCERTS	0.41				
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.22				
Chrysene	mg/kg	< 0.1	MCERTS	0.23				
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.27				
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.18				
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.14				
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1				
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1				
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	2.4				

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle	WS113 East	WS113 East
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	NAT
Order No: PO30217	**Depth (m)**	1.40	2.40	3.00	2.00	2.50
Reporting Date: 13/12/2023	**DETS Sample No**	686782	686784	686786	686788	686789

Determinand	Unit	RL	Accreditation	(n)				(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	10	< 3	< 3	12	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	13	< 10	< 10	13	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 South	WS113 South	WS113 West	WS113 West	WS113 North
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	MG
Order No: PO30217	**Depth (m)**	1.80	2.90	2.00	2.60	2.00
Reporting Date: 13/12/2023	**DETS Sample No**	686790	686791	686792	686793	686794

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	18	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	14	< 3	< 3	< 3	8
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	29	14	< 10	< 10	18
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	43	< 30	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	61	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-14360	**Date Sampled**	17/11/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 North				
Project / Job Ref: 19411	**Additional Refs**	NAT				
Order No: PO30217	**Depth (m)**	2.40				
Reporting Date: 13/12/2023	**DETS Sample No**	686795				

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01				
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05				
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2				
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2				
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3				
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10				
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10				
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30				
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01				
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05				
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2				
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3				
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10				
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10				
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30				
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60				

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle	WS113 East	WS113 East
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT	MG	NAT
Order No: PO30217	**Depth (m)**	1.40	2.40	3.00	2.00	2.50
Reporting Date: 13/12/2023	**DETS Sample No**	686782	686784	686786	686788	686789

Determinand	Unit	RL	Accreditation					
				(n)				(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 South	WS113 South	WS113 West	WS113 West	WS113 North
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	MG	NAT	MG
Order No: PO30217	**Depth (m)**	1.80	2.90	2.00	2.60	2.00
Reporting Date: 13/12/2023	**DETS Sample No**	686790	686791	686792	686793	686794

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-14360	**Date Sampled**	17/11/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 North				
Project / Job Ref: 19411	**Additional Refs**	NAT				
Order No: PO30217	**Depth (m)**	2.40				
Reporting Date: 13/12/2023	**DETS Sample No**	686795				

Determinand	Unit	RL	Accreditation					
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5				
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2				
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5				

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UKAS TESTING
4480

Leachate Analysis Certificate						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle		
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT		
Order No: PO30217	**Depth (m)**	1.40	2.40	3.00		
Reporting Date: 13/12/2023	**DETS Sample No**	686783	686785	686787		

Determinand	Unit	RL	Accreditation					
pH	pH Units	N/a	ISO17025	9.1	7.9	7.9		
Electrical Conductivity	uS/cm	< 5	NONE	163	49	60		
Total Cyanide	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Free Cyanide	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Sulphate as SO_4	mg/l	< 1	ISO17025	46	5	8		
Ammoniacal Nitrogen as NH_4	ug/l	< 50	ISO17025	< 50	< 50	< 50		
Ammonia as NH_4	ug/l	< 50	ISO17025	< 50	< 50	< 50		
Ammonium as NH_4	ug/l	< 50	ISO17025	< 50	< 50	< 50		
Chloride	mg/l	< 1	ISO17025	< 1	1	< 1		
Nitrate as NO_3	mg/l	< 0.5	ISO17025	0.8	0.7	0.6		
Nitrite as NO_2	mg/l	< 0.5	NONE	< 0.5	< 0.5	< 0.5		
Fluoride	mg/l	< 0.5	ISO17025	< 0.5	< 0.5	< 0.5		
Bromate (S)	ug BrO3/l	< 0.8	NONE	< 0.80	< 0.80	< 0.80		
Aluminium	ug/l	< 1	ISO17025	173	46	101		
Antimony	ug/l	< 0.2	ISO17025	0.5	< 0.2	< 0.2		
Arsenic	ug/l	< 0.2	ISO17025	5.2	3.8	3.7		
Barium	ug/l	< 0.2	ISO17025	4.9	2.5	2.3		
Boron	ug/l	< 1	ISO17025	20	6	7		
Cadmium	ug/l	< 0.2	ISO17025	< 0.2	< 0.2	< 0.2		
Chromium	ug/l	< 0.2	ISO17025	1.0	0.7	0.2		
Chromium (hexavalent)	ug/l	< 20	NONE	< 20	< 20	< 20		
Chromium III	ug/l	< 20	NONE	< 20	< 20	< 20		
Cobalt	ug/l	< 0.2	ISO17025	< 0.2	< 0.2	< 0.2		
Copper	ug/l	< 0.2	ISO17025	1.7	0.8	0.6		
Iron	ug/l	< 1	ISO17025	51	174	170		
Lead	ug/l	< 0.2	ISO17025	0.4	< 0.2	< 0.2		
Manganese	ug/l	< 0.2	ISO17025	0.8	1.2	1.1		
Mercury	ug/l	< 0.04	ISO17025	< 0.04	< 0.04	< 0.04		
Nickel	ug/l	< 0.2	ISO17025	0.2	0.3	< 0.2		
Selenium	ug/l	< 0.2	ISO17025	0.4	< 0.2	< 0.2		
Silver (S)	ug/l	< 0.13	NONE	< 0.130	< 0.130	< 0.130		
Tin	ug/l	< 0.1	ISO17025	0.2	0.1	< 0.1		
Vanadium	ug/l	< 0.2	ISO17025	6.2	0.9	1.4		
Zinc	ug/l	< 1	ISO17025	2	2	2		
Calcium	mg/l	< 0.1	ISO17025	22.5	5.2	7.6		
Sodium	mg/l	< 0.1	ISO17025	1.4	1.8	1.4		
Total Phenols (monohydric)	ug/l	< 10	ISO17025	< 10	< 10	< 10		

Subcontracted analysis (S)

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Leachate Analysis Certificate - Speciated PAH						
DETS Report No: 23-14360	**Date Sampled**	17/11/23	17/11/23	17/11/23		
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: 115 Chatham Street	**TP / BH No**	WS113 Middle	WS113 Middle	WS113 Middle		
Project / Job Ref: 19411	**Additional Refs**	MG	NAT	NAT		
Order No: PO30217	**Depth (m)**	1.40	2.40	3.00		
Reporting Date: 13/12/2023	**DETS Sample No**	686783	686785	686787		

Determinand	**Unit**	**RL**	**Accreditation**					
Naphthalene	ug/l	< 0.01	NONE	0.02	0.03	0.04		
Acenaphthylene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthene	ug/l	< 0.01	NONE	0.01	0.01	0.01		
Fluorene	ug/l	< 0.01	NONE	0.02	0.01	0.03		
Phenanthrene	ug/l	< 0.01	NONE	0.07	0.06	0.13		
Anthracene	ug/l	< 0.01	NONE	0.01	0.01	0.03		
Fluoranthene	ug/l	< 0.01	NONE	0.04	0.02	0.05		
Pyrene	ug/l	< 0.01	NONE	0.03	0.02	0.03		
Benzo(a)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Chrysene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(b)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(k)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Indeno(1,2,3-cd)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Dibenz(a,h)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(ghi)perylene	ug/l	< 0.008	NONE	< 0.008	< 0.008	< 0.008		
Total EPA-16 PAHs	ug/l	< 0.16	NONE	0.20	0.16	0.32		

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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-14360	
Hydrock	
Site Reference: 115 Chatham Street	
Project / Job Ref: 19411	
Order No: PO30217	
Reporting Date: 13/12/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
686782	WS113 Middle	MG	1.40	11	Brown sandy clay with stones and brick
686784	WS113 Middle	NAT	2.40	7.3	Brown sandy gravel with stones
686786	WS113 Middle	NAT	3.00	5.2	Brown gravelly sand with stones
686788	WS113 East	MG	2.00	11.4	Brown sandy clay with stones
686789	WS113 East	NAT	2.50	7	Brown sandy gravel with stones
686790	WS113 South	MG	1.80	13.1	Brown sandy gravel with stones and concrete
686791	WS113 South	NAT	2.90	9.3	Brown sandy gravel with stones
686792	WS113 West	MG	2.00	12.3	Brown sandy gravel with stones and brick
686793	WS113 West	NAT	2.60	7.1	Light brown sandy gravel with stones
686794	WS113 North	MG	2.00	8.8	Brown gravelly sand with stones and concrete
686795	WS113 North	NAT	2.40	5.3	Brown gravelly sand with stones

Moisture content is part of procedure E003 & is not an accredited test
Insufficient Sample I/S
Unsuitable Sample U/S

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4480

Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-14360
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO30217
Reporting Date: 13/12/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

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4480

Water Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-14360
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO30217
Reporting Date: 13/12/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

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List of HWOL Acronyms and Operators
DETS Report No: 23-14360
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO30217
Reporting Date: 13/12/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym
Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH LQM - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH LQM - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH LQM - Aliphatic >C16 - C35 - EH_CU_1D_AL
TPH LQM - Aliphatic >C35 - C44 - EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH LQM - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH LQM - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH LQM - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH LQM - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH LQM - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH LQM - Aromatic >C35 - C44 - EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH LQM - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH LQM - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH LQM - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Toluene - HS_1D_MS
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

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Derwentside Environmental Testing Services Ltd
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DETS Report No: 23-11447

Site Reference:	115 Chatham Street
Project / Job Ref:	19411
Order No:	PO28536
Sample Receipt Date:	11/09/2023
Sample Scheduled Date:	11/09/2023
Report Issue Number:	1
Reporting Date:	02/10/2023

Authorised by:

Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

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4480

Soil Analysis Certificate						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE	WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: PO28536	**Depth (m)**	2.60	2.60	3.00	3.00	2.00
Reporting Date: 02/10/2023	**DETS Sample No**	674148	674149	674150	674151	674152

Determinand	**Unit**	**RL**	**Accreditation**	(n)		(n)		(n)
Asbestos Screen (S)	N/a	N/a	**ISO17025**	Not Detected		Not Detected		Not Detected
pH	pH Units	N/a	**MCERTS**	8.0		8.1		8.2
Free Cyanide	mg/kg	< 1	NONE	< 1		< 1		< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	**MCERTS**	0.002		0.004		0.005
Arsenic (As)	mg/kg	< 2	**MCERTS**	14		23		16
Beryllium (Be)	mg/kg	< 0.5	**MCERTS**	< 0.5		0.8		0.7
W/S Boron	mg/kg	< 1	NONE	< 1		< 1		< 1
Cadmium (Cd)	mg/kg	< 0.2	**MCERTS**	< 0.2		< 0.2		< 0.2
Chromium (III)	mg/kg	< 2	NONE	9		18		15
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2		< 2		< 2
Copper (Cu)	mg/kg	< 4	**MCERTS**	6		12		12
Lead (Pb)	mg/kg	< 3	**MCERTS**	5		16		18
Mercury (Hg)	mg/kg	< 1	**MCERTS**	< 1		< 1		< 1
Nickel (Ni)	mg/kg	< 3	**MCERTS**	14		23		25
Selenium (Se)	mg/kg	< 2	**MCERTS**	< 2		< 2		< 2
Vanadium (V)	mg/kg	< 1	**MCERTS**	25		44		33
Zinc (Zn)	mg/kg	< 3	**MCERTS**	22		48		56
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2		< 2		< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)
(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation

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Soil Analysis Certificate						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A NORTH	WS117A EAST	WS117A EAST	WS117A SOUTH	WS117A SOUTH
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: PO28536	**Depth (m)**	3.00	2.20	2.90	2.20	2.80
Reporting Date: 02/10/2023	**DETS Sample No**	674153	674154	674155	674156	674157

Determinand	**Unit**	**RL**	**Accreditation**		(n)	(n)	(n)	(n)
Asbestos Screen (S)	N/a	N/a	**ISO17025**	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	**MCERTS**	8.3	8.2	8.4	7.8	7.9
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Fraction Organic Carbon (FOC)	Units	< 0.001	**MCERTS**	0.003	0.003	0.004	0.003	0.003
Arsenic (As)	mg/kg	< 2	**MCERTS**	17	22	25	27	25
Beryllium (Be)	mg/kg	< 0.5	**MCERTS**	0.5	0.6	0.8	1	0.8
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Cadmium (Cd)	mg/kg	< 0.2	**MCERTS**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (III)	mg/kg	< 2	NONE	12	14	17	25	20
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	**MCERTS**	9	7	11	40	9
Lead (Pb)	mg/kg	< 3	**MCERTS**	6	5	13	5	7
Mercury (Hg)	mg/kg	< 1	**MCERTS**	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	**MCERTS**	31	23	23	29	25
Selenium (Se)	mg/kg	< 2	**MCERTS**	< 2	< 2	< 2	< 2	< 2
Vanadium (V)	mg/kg	< 1	**MCERTS**	29	37	42	59	48
Zinc (Zn)	mg/kg	< 3	**MCERTS**	48	35	47	56	46
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate						
DETS Report No: 23-11447	**Date Sampled**	08/09/23				
Hydrock	**Time Sampled**	None Supplied				
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A WEST				
Project / Job Ref: 19411	**Additional Refs**	None Supplied				
Order No: PO28536	**Depth (m)**	2.50				
Reporting Date: 02/10/2023	**DETS Sample No**	674158				

Determinand	**Unit**	**RL**	**Accreditation**	(n)				
Asbestos Screen (S)	N/a	N/a	**ISO17025**	Not Detected				
pH	pH Units	N/a	**MCERTS**	7.9				
Free Cyanide	mg/kg	< 1	NONE	< 1				
Fraction Organic Carbon (FOC)	Units	< 0.001	**MCERTS**	0.001				
Arsenic (As)	mg/kg	< 2	**MCERTS**	8				
Beryllium (Be)	mg/kg	< 0.5	**MCERTS**	< 0.5				
W/S Boron	mg/kg	< 1	NONE	< 1				
Cadmium (Cd)	mg/kg	< 0.2	**MCERTS**	< 0.2				
Chromium (III)	mg/kg	< 2	NONE	7				
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2				
Copper (Cu)	mg/kg	< 4	**MCERTS**	5				
Lead (Pb)	mg/kg	< 3	**MCERTS**	6				
Mercury (Hg)	mg/kg	< 1	**MCERTS**	< 1				
Nickel (Ni)	mg/kg	< 3	**MCERTS**	9				
Selenium (Se)	mg/kg	< 2	**MCERTS**	< 2				
Vanadium (V)	mg/kg	< 1	**MCERTS**	16				
Zinc (Zn)	mg/kg	< 3	**MCERTS**	20				
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2				

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: PO28536	**Depth (m)**	2.60	3.00	2.00	3.00	2.20
Reporting Date: 02/10/2023	**DETS Sample No**	674148	674150	674152	674153	674154

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)		(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.31	< 0.1	0.14
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.63	< 0.1	0.35
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.48	< 0.1	0.30
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.32	< 0.1	0.21
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.29	< 0.1	0.22
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.28	< 0.1	0.23
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.25	< 0.1	0.20
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.17	< 0.1	0.11
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.12	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	2.9	< 1.6	1.8

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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	
Order No: PO28536	**Depth (m)**	2.90	2.20	2.80	2.50	
Reporting Date: 02/10/2023	**DETS Sample No**	674155	674156	674157	674158	

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Naphthalene	mg/kg	< 0.1	MCERTS	0.47	< 0.1	< 0.1	< 0.1	
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	
Acenaphthene	mg/kg	< 0.1	MCERTS	1.44	< 0.1	< 0.1	< 0.1	
Fluorene	mg/kg	< 0.1	MCERTS	1.18	< 0.1	< 0.1	< 0.1	
Phenanthrene	mg/kg	< 0.1	MCERTS	6.58	< 0.1	< 0.1	< 0.1	
Anthracene	mg/kg	< 0.1	MCERTS	1.54	< 0.1	< 0.1	< 0.1	
Fluoranthene	mg/kg	< 0.1	MCERTS	5.68	< 0.1	< 0.1	< 0.1	
Pyrene	mg/kg	< 0.1	MCERTS	3.68	< 0.1	< 0.1	< 0.1	
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	1.82	< 0.1	< 0.1	< 0.1	
Chrysene	mg/kg	< 0.1	MCERTS	1.27	< 0.1	< 0.1	< 0.1	
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	1.13	< 0.1	< 0.1	< 0.1	
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.23	< 0.1	< 0.1	< 0.1	
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.94	< 0.1	< 0.1	< 0.1	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.37	< 0.1	< 0.1	< 0.1	
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.28	< 0.1	< 0.1	< 0.1	
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	26.6	< 1.6	< 1.6	< 1.6	

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Soil Analysis Certificate - TPH LQM Banded							
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: PO28536	**Depth (m)**	2.60	3.00	2.00	3.00	2.20
Reporting Date: 02/10/2023	**DETS Sample No**	674148	674150	674152	674153	674154

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)		(n)
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	< 60

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Soil Analysis Certificate - TPH LQM Banded						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	
Order No: PO28536	**Depth (m)**	2.90	2.20	2.80	2.50	
Reporting Date: 02/10/2023	**DETS Sample No**	674155	674156	674157	674158	

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Aliphatic >C5 - C6 : HS_1D_MS_AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	
Aliphatic >C6 - C8 : HS_1D_MS_AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Aliphatic >C8 - C10 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Aliphatic >C10 - C12 : EH_CU_1D_AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Aliphatic >C12 - C16 : EH_CU_1D_AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	
Aliphatic >C16 - C35 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	
Aliphatic >C35 - C44 : EH_CU_1D_AL	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	
Aliphatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AL	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	
Aromatic >C5 - C7 : HS_1D_MS_AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	
Aromatic >C7 - C8 : HS_1D_MS_AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Aromatic >C8 - C10 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	7	< 2	< 2	< 2	
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	17	< 3	< 3	< 3	
Aromatic >C21 - C35 : EH_CU_1D_AR	mg/kg	< 10	MCERTS	27	< 10	< 10	< 10	
Aromatic >C35 - C44 : EH_CU_1D_AR	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	
Aromatic (>C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 30	NONE	50	< 30	< 30	< 30	
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Total	mg/kg	< 60	NONE	< 60	< 60	< 60	< 60	

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: PO28536	**Depth (m)**	2.60	3.00	2.00	3.00	2.20
Reporting Date: 02/10/2023	**DETS Sample No**	674148	674150	674152	674153	674154

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)		(n)
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23	08/09/23	08/09/23	
Hydrock	**Time Sampled**	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST	
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied	None Supplied	None Supplied	
Order No: PO28536	**Depth (m)**	2.90	2.20	2.80	2.50	
Reporting Date: 02/10/2023	**DETS Sample No**	674155	674156	674157	674158	

Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	
Benzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
MTBE : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	

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UKAS TESTING 4480

Leachate Analysis Certificate						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23			
Hydrock	**Time Sampled**	None Supplied	None Supplied			
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE			
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied			
Order No: PO28536	**Depth (m)**	2.60	3.00			
Reporting Date: 02/10/2023	**DETS Sample No**	674149	674151			

Determinand	**Unit**	**RL**	**Accreditation**					
pH	pH Units	N/a	**ISO17025**	7.2	7.5			
Electrical Conductivity	uS/cm	< 5	NONE	133	149			
Total Cyanide	ug/l	< 5	**ISO17025**	< 5	< 5			
Free Cyanide	ug/l	< 5	**ISO17025**	< 5	< 5			
Sulphate as SO_4	mg/l	< 1	**ISO17025**	8	13			
Ammoniacal Nitrogen as NH_4	ug/l	< 50	**ISO17025**	208	112			
Ammonia as NH_4	ug/l	< 50	**ISO17025**	208	112			
Ammonium as NH_4	ug/l	< 50	**ISO17025**	208	112			
Chloride	mg/l	< 1	**ISO17025**	1	1			
Nitrate as NO_3	mg/l	< 0.5	**ISO17025**	0.9	0.8			
Nitrite as NO_2	mg/l	< 0.5	NONE	< 0.5	< 0.5			
Fluoride	mg/l	< 0.5	**ISO17025**	< 0.5	< 0.5			
Bromate (S)	ug BrO3/l	< 0.8	NONE	< 0.80	< 0.80			
Aluminium	ug/l	< 5	**ISO17025**	14	14			
Antimony	ug/l	< 5	**ISO17025**	< 5	< 5			
Arsenic	ug/l	< 5	**ISO17025**	< 5	< 5			
Barium	ug/l	< 5	**ISO17025**	5	< 5			
Boron	ug/l	< 5	**ISO17025**	15	23			
Cadmium	ug/l	< 0.4	**ISO17025**	< 0.4	< 0.4			
Chromium	ug/l	< 5	**ISO17025**	< 5	< 5			
Chromium (hexavalent)	ug/l	< 20	NONE	< 20	< 20			
Chromium III	ug/l	< 20	NONE	< 20	< 20			
Cobalt	ug/l	< 2	**ISO17025**	< 2	< 2			
Copper	ug/l	< 5	**ISO17025**	< 5	< 5			
Iron	ug/l	< 5	**ISO17025**	12	< 5			
Lead	ug/l	< 5	**ISO17025**	< 5	< 5			
Manganese	ug/l	< 5	**ISO17025**	< 5	< 5			
Mercury	ug/l	< 0.05	**ISO17025**	< 0.05	< 0.05			
Nickel	ug/l	< 5	**ISO17025**	< 5	< 5			
Selenium	ug/l	< 5	**ISO17025**	< 5	< 5			
Silver (S)	ug/l	< 0.13	NONE	< 0.130	< 0.130			
Tin	ug/l	< 5	**ISO17025**	< 5	< 5			
Vanadium	ug/l	< 5	**ISO17025**	< 5	< 5			
Zinc	ug/l	< 2	**ISO17025**	18	13			
Calcium	mg/l	< 0.2	**ISO17025**	17.9	19.8			
Sodium	mg/l	< 0.2	**ISO17025**	2.8	3.9			
Total Phenols (monohydric)	ug/l	< 10	**ISO17025**	10	< 10			

Subcontracted analysis (S)

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Leachate Analysis Certificate - Speciated PAH						
DETS Report No: 23-11447	**Date Sampled**	08/09/23	08/09/23			
Hydrock	**Time Sampled**	None Supplied	None Supplied			
Site Reference: 115 Chatham Street	**TP / BH No**	WS117A MIDDLE	WS117A MIDDLE			
Project / Job Ref: 19411	**Additional Refs**	None Supplied	None Supplied			
Order No: PO28536	**Depth (m)**	2.60	3.00			
Reporting Date: 02/10/2023	**DETS Sample No**	674149	674151			

Determinand	Unit	RL	Accreditation					
Naphthalene	ug/l	< 0.01	NONE	0.05	0.12			
Acenaphthylene	ug/l	< 0.01	NONE	0.03	0.06			
Acenaphthene	ug/l	< 0.01	NONE	0.08	0.05			
Fluorene	ug/l	< 0.01	NONE	0.07	0.07			
Phenanthrene	ug/l	< 0.01	NONE	0.11	0.10			
Anthracene	ug/l	< 0.01	NONE	0.03	0.04			
Fluoranthene	ug/l	< 0.01	NONE	0.03	0.03			
Pyrene	ug/l	< 0.01	NONE	0.02	0.02			
Benzo(a)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Chrysene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Benzo(b)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Benzo(k)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Benzo(a)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Indeno(1,2,3-cd)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Dibenz(a,h)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01			
Benzo(ghi)perylene	ug/l	< 0.008	NONE	< 0.008	< 0.008			
Total EPA-16 PAHs	ug/l	< 0.16	NONE	0.42	0.49			

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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-11447	
Hydrock	
Site Reference: 115 Chatham Street	
Project / Job Ref: 19411	
Order No: PO28536	
Reporting Date: 02/10/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
674148	WS117A MIDDLE	None Supplied	2.60	4.2	Brown sandy gravel with stones
674150	WS117A MIDDLE	None Supplied	3.00	7.6	Light brown sandy gravel with stones
674152	WS117A NORTH	None Supplied	2.00	10.5	Light brown sandy gravel with stones and chalk
674153	WS117A NORTH	None Supplied	3.00	6.8	Light brown sandy clay with stones
674154	WS117A EAST	None Supplied	2.20	5.9	Light brown sandy gravel with stones
674155	WS117A EAST	None Supplied	2.90	7.2	Light brown sandy gravel with stones
674156	WS117A SOUTH	None Supplied	2.20	5.8	Light brown sandy gravel with stones
674157	WS117A SOUTH	None Supplied	2.80	5.9	Light brown sandy gravel with stones
674158	WS117A WEST	None Supplied	2.50	5	Light brown sandy gravel with stones

Moisture content is part of procedure E003 & is not an accredited test
Insufficient Sample I/S
Unsuitable Sample U/S

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4480

Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-11447
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO28536
Reporting Date: 02/10/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 – C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

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UKAS TESTING
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Water Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-11447
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO28536
Reporting Date: 02/10/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	F	Ammoniacal Nitrogen	Determination of ammoniacal nitrogen by discrete analyser.	E126
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

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List of HWOL Acronyms and Operators
DETS Report No: 23-11447
Hydrock
Site Reference: 115 Chatham Street
Project / Job Ref: 19411
Order No: PO28536
Reporting Date: 02/10/2023

Acronym	**Description**
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym
Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH LQM - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH LQM - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH LQM - Aliphatic >C16 - C35 - EH_CU_1D_AL
TPH LQM - Aliphatic >C35 - C44 - EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH LQM - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH LQM - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH LQM - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH LQM - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH LQM - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH LQM - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH LQM - Aromatic >C35 - C44 - EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH LQM - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH LQM - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH LQM - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH LQM - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Toluene - HS_1D_MS
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter: Default - Human Health - residential with home-grown produce (2.5%SOM)
Client: Abri
Site: 115 Chatham Street, Reading
Job no.: 19411
Lab. report no(s).: 23-14360

Data Filters
Zone: All
Strata: All
Depth Min (m bgl): 1.4
Depth Max (m bgl): 3

Dataset mean SOM%: 1.30
Scenario SOM%: 2.5

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	Date	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
															Zone	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot
															Location	Ws113 Middle	Ws113 Middle	Ws113 Middle	WS113 East	WS113 East	WS113 South	WS113 South	WS113 West	WS113 West	WS113 North	WS113 North
															Depth (m bgl)	1.4	2.4	3	2	2.5	1.8	2.9	2	2.6	2	2.4
-	**Asbestos**																										
P1020	Asbestos Identified	text	Y/N	11	-	-	-	-	No. of detects:	0	-	-	-			N	N	N	N	N	N	N	N	N	N	N
P1889	Asbestos Screen Name	text		0	-	-	-	-	-		-		-													
P1885	Asbestos Quant. (Stage 2)	%	0.001	0					No. > LOD:		-		-													
P1935	Asbestos Quant. Total	%	0.001	0					No. > LOD:		-		-													
P1826	Asbestos Quant. (Stage 3)	%	0.001	0					No. > LOD:		-		-													
-	Asbestos Quant. Total (Stages 2+3)	%	0.001	0					No. > LOD:		-		-													
P1880	Asbestos Containing Material Types Detected (ACM)	text		0	-	-	-	-	-		-		-													
o	**Hydrock Default Suite - FOC / SOM / pH**										-															
P1085	FOC (dimensionless)	[]	0.001	11	0.001	0.020	0.008	0.004	0.01		-	-	-			0.017	0.004	0.001	0.01	0.002	0.02	0.004	0.014	0.002	0.008	0.001
-	SOM (calculated)	%	0.1724	11	0.17	3.45	1.30	0.69	1.18		-	-	-			2.9308	0.6896	0.1724	1.724	0.3448	3.448	0.6896	2.4136	0.3448	1.3792	0.1724
P1334	pH (su)	pH Units	0.1	11	7.90	9.20	8.46	8.40	0.39		-	-	-			8.8	8.3	8.3	8.6	8.4	8.4	8	9.2	7.9	8.9	8.3
-	**Hydrock Default Suite - Metals & PAH**																										
7440-38-2	Arsenic	mg/kg	1	11	14.00	31.00	19.00	17.00	5.46	0	NR	37	C4SL - CL:AIRE 2014			16	31	14	17	21	25	16	14	18	23	14
7440-41-7	Beryllium	mg/kg	0.06	11	0.50	1.20	0.73	0.70	0.21	0	NR	1.7	Hydrock Derived			0.7	0.8	<0.5	0.9	0.6	1.2	0.5	0.7	0.8	0.8	<0.5
7440-42-8	Boron	mg/kg	0.2	11	1.00	1.00	1.00	1.00	0.00	0	NR	300	Hydrock Derived			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
7440-43-9	Cadmium	mg/kg	0.2	11	0.20	0.40	0.25	0.20	0.07	0	NR	22	C4SL - CL:AIRE 2014			0.3	<0.2	<0.2	0.3	<0.2	0.4	<0.2	0.2	<0.2	0.3	<0.2
16065-83-1	Chromium (III)	mg/kg	1	11	8.00	23.00	14.73	15.00	4.08	0	NR	890	Hydrock Derived			15	16	8	17	15	23	12	15	15	17	9
18540-29-9	Chromium (VI)	mg/kg	1.8	11	2.00	2.00	2.00	2.00	0.00	0	NR	21	C4SL - CL:AIRE 2014			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-47-3	Chromium (Total)	mg/kg	1	11	8.00	23.00	14.73	15.00	4.08			-				15	16	8	17	15	23	12	15	15	17	9
7440-50-8	Copper	mg/kg	1	11	4.00	118.00	23.45	14.00	32.91	0	NR	2500	Hydrock Derived			32	8	<4	25	5	118	14	26	5	17	<4
7439-92-1	Lead	mg/kg	1	11	1.00	**2260.00**	**253.09**	13.00	668.36	**1**	NR	200	C4SL - CL:AIRE 2014			<1	<1	<1	92	12	2260	180	112	13	101	11
7439-97-6	Mercury, inorganic	mg/kg	0.3	11	1.00	11.30	1.94	1.00	3.11	0	NR	40	Hydrock Derived			<1	<1	<1	<1	<1	11.3	<1	<1	<1	<1	<1
7440-02-0	Nickel	mg/kg	1	11	11.00	21.00	15.55	14.00	3.45	0	NR	130	Hydrock Derived			14	21	12	17	20	12	14	14	19	17	11
7782-49-2	Selenium	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	NR	260	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-62-2	Vanadium	mg/kg	1	11	22.00	44.00	33.64	35.00	8.24	0	NR	410	Hydrock Derived			35	44	24	36	42	22	29	34	41	41	22
7440-66-6	Zinc	mg/kg	1	11	23.00	299.00	87.09	46.00	81.40	0	NR	3900	Hydrock Derived			145	44	24	108	37	299	46	95	32	105	23
P1095	Cyanide (free)	mg/kg	1	11	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	11	2.00	2.00	2.00	2.00	0.00	0	38058	210	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
83-32-9	Acenaphthene	mg/kg	0.1	11	0.10	0.32	0.13	0.10	0.07	0	141	540	Hydrock Derived			0.19	<0.1	<0.1	0.32	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1
208-96-8	Acenaphthylene	mg/kg	0.1	11	0.10	0.10	0.10	0.10	0.00	0	212	440	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
120-12-7	Anthracene	mg/kg	0.1	11	0.10	0.61	0.22	0.10	0.19	0	2.91	5500	Hydrock Derived			0.61	<0.1	<0.1	0.53	<0.1	0.28	<0.1	0.17	<0.1	0.27	<0.1
56-55-3	Benz(a)anthracene	mg/kg	0.1	11	0.10	1.41	0.55	0.22	0.51	0	4.28	12	Hydrock Derived			1.02	<0.1	<0.1	1.41	<0.1	1.04	0.11	0.79	<0.1	1.03	0.22
50-32-8	Benzo(a)pyrene	mg/kg	0.1	11	0.10	1.13	0.48	0.18	0.43	0	2.28	5	C4SL - CL:AIRE 2014			0.82	<0.1	<0.1	1.13	<0.1	1.04	0.12	0.67	<0.1	0.93	0.18
205-99-2	Benzo(b)fluoranthene	mg/kg	0.1	11	0.10	1.66	0.70	0.27	0.66	0	3.04	3.3	Hydrock Derived			1.19	<0.1	<0.1	1.66	<0.1	1.53	0.18	1.05	0.11	1.38	0.27
191-24-2	Benzo(ghi)perylene	mg/kg	0.1	11	0.10	0.60	0.27	0.10	0.20	0	0.04	340	Hydrock Derived			0.38	<0.1	<0.1	0.51	<0.1	0.6	<0.1	0.39	<0.1	0.47	<0.1
207-08-9	Benzo(k)fluoranthene	mg/kg	0.1	11	0.10	0.38	0.20	0.10	0.11	0	1.72	93	Hydrock Derived			0.28	<0.1	<0.1	0.38	<0.1	0.32	<0.1	0.26	<0.1	0.32	<0.1
218-01-9	Chrysene	mg/kg	0.1	11	0.10	1.34	0.54	0.23	0.49	0	1.10	22	Hydrock Derived			0.99	<0.1	<0.1	1.34	<0.1	1	0.13	0.82	<0.1	1.02	0.23
53-70-3	Dibenz(ah)anthracene	mg/kg	0.1	11	0.10	0.15	0.11	0.10	0.02	0	0.010	0.29	Hydrock Derived			0.13	<0.1	<0.1	0.14	<0.1	0.15	<0.1	<0.1	<0.1	0.12	<0.1
206-44-0	Fluoranthene	mg/kg	0.1	11	0.10	3.34	1.20	0.57	1.23	0	47	560	Hydrock Derived			2.71	<0.1	<0.1	3.34	<0.1	2.16	0.22	1.51	0.14	2.27	0.57
86-73-7	Fluorene	mg/kg	0.1	11	0.10	0.28	0.13	0.10	0.06	0	77	420	Hydrock Derived			0.18	<0.1	<0.1	0.28	<0.1	0.12	<0.1	<0.1	<0.1	0.11	<0.1
193-39-5	Indeno(123cd)pyrene	mg/kg	0.1	11	0.10	0.72	0.32	0.14	0.25	0	0.15	36	Hydrock Derived			0.47	<0.1	<0.1	0.61	<0.1	0.72	<0.1	0.48	<0.1	0.58	0.14
91-20-3	Naphthalene	mg/kg	0.1	11	0.10	0.10	0.10	0.10	0.00	0	183	30	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
85-01-8	Phenanthrene	mg/kg	0.1	11	0.10	2.32	0.75	0.36	0.80	0	90	220	Hydrock Derived			1.73	<0.1	<0.1	2.32	<0.1	1.43	0.12	0.68	<0.1	1.2	0.36
129-00-0	Pyrene	mg/kg	0.1	11	0.10	2.73	0.95	0.41	0.97	0	5.5	1200	Hydrock Derived			2.03	<0.1	<0.1	2.73	<0.1	1.7	0.2	1.27	0.12	1.73	0.41
P1310	PAH 16 Total	mg/kg	1.6	11	1.60	16.70	6.51	2.40	5.82			-				12.7	<1.6	<1.6	16.7	<1.6	12.1	<1.6	8.1	<1.6	11.6	2.4
o	**TPH fractions**																										
P1407	TPH ali EC05-EC06	mg/kg	0.01	11	0.01	0.01	0.01	0.01	0.000	0	558	78	Hydrock Derived			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1408	TPH ali >EC06-EC08	mg/kg	0.05	11	0.05	0.05	0.05	0.05	0.000	0	322	230	Hydrock Derived			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
P1409	TPH ali >EC08-EC10	mg/kg	2	11	2.00	2.00	2.00	2.00	0.000	0	190	65	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
P1410	TPH ali >EC10-EC12	mg/kg	2	11	2.00	2.00	2.00	2.00	0.00	0	118	330	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
P1411	TPH ali >EC12-EC16	mg/kg	3	11	3.00	3.00	3.00	3.00	0.00	0	59	2400	Hydrock Derived			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
P1938	TPH ali >EC16-EC35	mg/kg	10	11	10.00	18.00	10.73	10.00	2.41	0	21	92000	Hydrock Derived			<10	<10	<10	<10	<10	18	<10	<10	<10	<10	<10
P1415	TPH ali >EC35-EC44	mg/kg	10	11	10.00	10.00	10.00	10.00	0.00	0	21	92000	Hydrock Derived			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1420	TPH ali >EC5-EC44	mg/kg	30	11	30.00	30.00	30.00	30.00	0.00			-				<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
P1441	TPH aro EC05-EC07	mg/kg	0.01	11	0.01	0.01	0.01	0.01	0.00	0	2265	150	Hydrock Derived			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1355	TPH aro >EC07-EC08	mg/kg	0.05	11	0.05	0.05	0.05	0.05	0.00	0	1916	300	Hydrock Derived			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
P1356	TPH aro >EC08-EC10	mg/kg	2	11	2.00	2.00	2.00	2.00	0.00	0	1503	84	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
P1357	TPH aro >EC10-EC12	mg/kg	2	11	2.00	2.00	2.00	2.00	0.00	0	899	180	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	2	<2
P1358	TPH aro >EC12-EC16	mg/kg	2	11	2.00	2.00	2.00	2.00	0.00	0	419	330	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
P1359	TPH aro >EC16-EC21	mg/kg	3	11	3.00	14.00	5.91	3.00	4.28	0	134	540	Hydrock Derived			10	<3	<3	12	<3	14	<3	<3	<3	8	<3
P1360	TPH aro >EC21-EC35	mg/kg	10	11	10.00	29.00	13.36	10.00	5.78	0	12	1500	Hydrock Derived			13	<10	<10	13	<10	29	14	<10	<10	18	<10
P1362	TPH aro >EC35-EC44	mg/kg	10	11	10.00	10.00	10.00	10.00	0.00	0	12	1500	Hydrock Derived			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1941	TPH aro >EC5-EC44	mg/kg	30	11	30.00	30.00	30.00	30.00	0.00			-				<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
P1373	Total TPH >EC5-EC44	mg/kg	60	11	60.00	60.00	60.00	60.00	0.00			-				<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
o	**VOCs - BTEX & MTBE**																										
71-43-2	Benzene	mg/kg	2	11	0.00	0.00	0.00	0.00	0.00	0	2265	0.41	C4SL - CL:AIRE 2014			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
108-88-3	Toluene	mg/kg	5	11	0.01	0.01	0.01	0.01	0.00	0	1916	300	Hydrock Derived			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
100-41-4	Ethylbenzene	mg/kg	2	11	0.00	0.00	0.00	0.00	0.00	0	1216	110	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
95-47-6	Xylene, o-	mg/kg	2	11	0.00	0.00	0.00	0.00	0.00	0	1120	140	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1330-20-7	Xylene, p- (or combined m & p)	mg/kg	2	11	0.00	0.00	0.00	0.00	0.00	0	1353	130	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1634-04-4	MTBE	mg/kg	5	11	0.01	0.01	0.01	0.01	0.00	0	33075	110	Hydrock Derived			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Assessment of Chemicals of Potential Concern to Plant Life

Risk parameter: Phytotoxic pH >7
Client: Abri
Site: 115 Chatham Street, Reading
Job no.: 19411
Lab. report no(s).: 23-14360

Data Filters

Zone	All
Strata	All
Depth Min (m bgl)	1.4
Depth Max (m bgl)	3
Dataset mean pH	8.46
Scenario pH	>7

Hydrock

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	GAC	GAC Source	Strata	Ws113 Middle 1.4 MG	Ws113 Middle 2.4 TGM	Ws113 Middle 3 TGM	WS113 East 2 MG	WS113 East 2.5 TGM	WS113 South 1.8 MG	WS113 South 2.9 TGM	WS113 West 2 MG	WS113 West 2.6 TGM	WS113 North 2 MG	WS113 North 2.4 TGM
Date														17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23	17/11/23
Zone														WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot	WS113 Hotspot
Location														Ws113 Middle	Ws113 Middle	Ws113 Middle	WS113 East	WS113 East	WS113 South	WS113 South	WS113 West	WS113 West	WS113 North	WS113 North
Depth (m bgl)														1.4	2.4	3	2	2.5	1.8	2.9	2	2.6	2	2.4
0	**Hydrock Default Suite - FOC / SOM / pH**																							
P1334	pH (su)	pH Units	0.1	11	7.90	9.20	8.46	8.40	0.39		-	-		8.8	8.3	8.3	8.6	8.4	8.4	8	9.2	7.9	8.9	8.3
-	**Hydrock Default Suite - Metals & PAH**																							
7440-38-2	Arsenic	mg/kg	1	11	14.00	31.00	19.00	17.00	5.46	0	250	MAFF 1998		16	31	14	17	21	25	16	14	18	23	14
7440-42-8	Boron	mg/kg	0.2	11	1.00	1.00	1.00	1.00	0.00	0	5	Nable, et al. 1997		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
16065-83-1	Chromium (III)	mg/kg	1	11	8.00	23.00	14.73	15.00	4.08	0	400	MAFF 1998 (Cr(T))		15	16	8	17	15	23	12	15	15	17	9
18540-29-9	Chromium (VI)	mg/kg	1.8	11	2.00	2.00	2.00	2.00	0.00	0	25	ICRCL 70/90 1990		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-50-8	Copper	mg/kg	1	11	4.00	118.00	23.45	14.00	32.91	0	200	BS3882 2015		32	8	<4	25	5	118	14	26	5	17	<4
7440-02-0	Nickel	mg/kg	1	11	11.00	21.00	15.55	14.00	3.45	0	110	BS3882 2015		14	21	12	17	20	12	14	14	19	17	11
7440-66-6	Zinc	mg/kg	1	11	23.00	299.00	87.09	46.00	81.40	0	300	BS3882 2015		145	44	24	108	37	299	46	95	32	105	23

Legend:

MG	Made Ground
TGM	Taplow Gravel Member

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
64.00	Value exceed saturation limit and substance is liquid or solid at ambient temperature
***<10**	Value excluded from statistical analysis
Y	Text result
-	Represents a determinand that was not tested.
+	represents a data point that is not included in the current filter settings

Template Version:
1.06: 20/07/23

Remedial Targets Methodology Data Table

Hydrock

Hydrock Scenario: Scenario A - DWS

RTM Level: RTM Level 1 - Soil Zone Assessment - leachate samples

Water body receptor(s): Groundwater and surface water
Secondary receptor(s): Human health (abstraction)
Data set: Leachate
Client: Abri
Site: 115 Chatham Street
Job no: 19411
Test Certificates(s): 23-14360

PNEC calculated (inland EQS)

123* Exceeds solubility value
<1 Grey text and "<" sign if value <= LoD
999 Red text if value > DWS

Surface Water Representative Hardness as mg/l $CaCO_3$ 10

Dataset ALL ZONES

CAS / AGS Number	Chemical of Potential Concern (µg/l)	WFD Designation	Hazardous Substance Status	Solubility Limit (µg/l)	No. of samples	Limit of Detection	DWS		Strata / Zone	WS113 HOTSPOT	WS113 HOTSPOT	WS113 HOTSPOT					
									Date sampled:	17/11/2023	17/11/2023	17/11/2023					
										WS113 MIDDLE 1.40	WS113 MIDDLE 2.40	WS113 MIDDLE 3.0					
7440-22-4	Silver (Ag) (dissolved)				3	0.13	n/a			<0.13	<0.13	<0.13					
7429-90-5	Aluminium (Al) (dissolved)				3	1	200			173	46	101					
7440-38-2	Arsenic (As) (dissolved)	SP	H		3	0.2	10			5.2	3.8	3.7					
7440-42-8	Boron (B) (dissolved)		NP		3	1	1000			20	6	7					
7440-39-3	Barium (Ba) (dissolved)				3	0.2	1300			4.9	2.5	2.3					
7440-43-9	Cadmium (Cd) (dissolved)	PH	NP		3	0.2	5			<0.2	<0.2	<0.2					
7440-48-4	Cobalt (Co) (dissolved)		NP		3	0.2	n/a			<0.2	<0.2	<0.2					
18540-29-9	Chromium (VI) (Cr) (dissolved)	SP	H		3	20	n/a			<20	<20	<20					
16065-83-1	Chromium (III) (Cr) (dissolved)	SP			3	20	n/a			<20	<20	<20					
7440-47-3	Chromium (Cr) (total) (dissolved)				3	0.2	50			1	0.7	<0.2					
7440-50-8	Copper (Cu) (dissolved)	SP	NP		3	0.2	2000			1.7	0.8	0.6					
7439-89-6	Iron (Fe) (dissolved)	SP			3	1	200			51	174	170					
7439-97-6	Mercury (Hg) (dissolved)	PH	H		3	0.04	1			<0.04	<0.04	<0.04					
P1286	Manganese (Mn) (dissolved)	SP			3	0.2	50			0.8	1.2	1.1					
7440-23-5	Sodium (Na) (dissolved)				3	0.1	200000			1.4	1.8	1.4					
7440-02-0	Nickel (Ni) (dissolved)	P	NP		3	0.2	20			<0.2	0.3	<0.2					
7439-92-1	Lead (Pb) (dissolved)	P	H		3	0.2	10			0.4	<0.2	<0.2					
7440-36-0	Antimony (Sb) (dissolved)		NP		3	0.2	5			0.5	<0.2	<0.2					
7782-49-2	Selenium (Se) (dissolved)		NP		3	0.2	10			0.4	<0.2	<0.2					
7440-31-5	Tin (Sn) (dissolved)				3	0.1	n/a			0.2	<0.1	<0.1					
7440-62-2	Vanadium (V) (dissolved)				3	0.2	n/a			6.2	0.9	1.4					
7440-66-6	Zinc (Zn) (dissolved)	SP	NP		3	1	n/a			2	2	2					
P1095	Cyanide (free) (hydrogen cyanide)	SP	NP		3	5	n/a			<5	<5	<5					
57-12-5	Cyanide (total)				3	5	50			<5	<5	<5					
P1140	Ammonium (NH_4^+)		NP		3	50	500			<50	<50	<50					
P1238	Ammoniacal Nitrogen (as N)		NP		3	50	n/a			<50	<50	<50					
P1720	Ammonia (unionised) (NH_3 as N) {free ammonia}	SP	NP		3	50	n/a			<50	<50	<50					
15541-45-4	Bromate (BrO_3)				3	0.8	10			<0.8	<0.8	<0.8					
16887-00-6	Chloride (Cl^-)				3	1	250000			<1	<1	<1					
16984-48-8	Fluoride (F^-)				3	0.5	1500			<0.5	<0.5	<0.5					
P1348	Nitrate (NO_3^-)				3	0.5	50000			0.8	0.7	0.6					
P1349	Nitrite (NO_2^-)				3	0.5	500			<0.5	<0.5	<0.5					
14808-79-8	Sulfate (SO_4^{2-})				3	1	250000			46	5	8					
P1134	pH (min.) (su)				3	0	6.5			9.1	7.9	7.9					
P1134	pH (max.) (su)				0		9.5										
P1287	Electrical conductivity (µS/cm)				3	5	2500			163	49	60					
120-12-7	Anthracene	PH	H	56	3	0.01	n/a			<0.01	<0.01	0.03					
50-32-8	Benzo(a)pyrene	PH	H	3.8	3	0.01	0.01			<0.01	<0.01	<0.01					
206-44-0	Fluoranthene	P	H	230	3	0.01	n/a			0.04	0.02	0.05					
91-20-3	Naphthalene	P	NP	19000	3	0.01	n/a			0.02	0.03	0.04					
GRP01	PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene	P	H		3	0.038	0.1			<0.038	<0.038	<0.038					
P1877	Phenol	SP	NP	84100000	3	10	n/a			<10	<10	<10					

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter:	Default - Human Health - residential with home-grown produce (1%SOM)
Client:	Abri
Site:	115 Chatham Street, Reading
Job no.:	19411
Lab. report no(s).:	23-11447

Data Filters

Zone	All
Strata	All
Depth Min (m bgl)	2
Depth Max (m bgl)	3
Dataset mean SOM%	0.54
Scenario SOM%	1

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @1% SOM	GAC	GAC Source	Strata	Date	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23
															Zone	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT
															Location	WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST
															Depth (m bgl)	2.6	3	2	3	2.2	2.9	2.2	2.8	2.5
-	**Asbestos**																								
P1020	Asbestos Identified	text	Y/N	9	-	-	-	-	No. of detects:	0	-	-	-			N	N	N	N	N	N	N	N	N
P1889	Asbestos Screen Name	text		0	-	-	-	-	-		-		-											
P1885	Asbestos Quant. (Stage 2)	%	0.001	0					No. > LOD:		-		-											
P1935	Asbestos Quant. Total	%	0.001	0					No. > LOD:		-		-											
P1826	Asbestos Quant. (Stage 3)	%	0.001	0					No. > LOD:		-		-											
-	Asbestos Quant. Total (Stages 2+3)	%	0.001	0					No. > LOD:		-		-											
P1880	Asbestos Containing Material Types Detected (ACM)	text		0	-	-	-	-	-		-		-											
o	**Hydrock Default Suite - FOC / SOM / pH**										-													
P1085	FOC (dimensionless)	[]	0.001	9	0.001	0.005	0.003	0.003	0.00		-	-	-			0.002	0.004	0.005	0.003	0.003	0.004	0.003	0.003	0.001
-	SOM (calculated)	%	0.1724	9	0.17	0.86	0.54	0.52	0.20		-	-	-			0.3448	0.6896	0.862	0.5172	0.5172	0.6896	0.5172	0.5172	0.1724
P1334	pH (su)	pH Units	0.1	9	7.80	8.40	8.09	8.10	0.20		-	-	-			8	8.1	8.2	8.3	8.2	8.4	7.8	7.9	7.9
-	**Hydrock Default Suite - Metals & PAH**																								
7440-38-2	Arsenic	mg/kg	1	9	8.00	27.00	19.67	22.00	6.28	0	NR	37	C4SL - CL:AIRE 2014			14	23	16	17	22	25	27	25	8
7440-41-7	Beryllium	mg/kg	0.06	9	0.50	1.00	0.69	0.70	0.18	0	NR	1.7	Hydrock Derived			<0.5	0.8	0.7	0.5	0.6	0.8	1	0.8	<0.5
7440-42-8	Boron	mg/kg	0.2	9	1.00	1.00	1.00	1.00	0.00	0	NR	300	Hydrock Derived			<1	<1	<1	<1	<1	<1	<1	<1	<1
7440-43-9	Cadmium	mg/kg	0.2	9	0.20	0.20	0.20	0.20	0.00	0	NR	22	C4SL - CL:AIRE 2014			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16065-83-1	Chromium (III)	mg/kg	1	9	7.00	25.00	15.22	15.00	5.56	0	NR	890	Hydrock Derived			9	18	15	12	14	17	25	20	7
18540-29-9	Chromium (VI)	mg/kg	1.8	9	2.00	2.00	2.00	2.00	0.00	0	NR	21	C4SL - CL:AIRE 2014			<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-47-3	Chromium (Total)	mg/kg	1	9	7.00	25.00	15.22	15.00	5.56			-				9	18	15	12	14	17	25	20	7
7440-50-8	Copper	mg/kg	1	9	5.00	40.00	12.33	9.00	10.68	0	NR	2500	Hydrock Derived			6	12	12	9	7	11	40	9	5
7439-92-1	Lead	mg/kg	1	9	5.00	18.00	9.00	6.00	5.20	0	NR	200	C4SL - CL:AIRE 2014			5	16	18	6	5	13	5	7	6
7439-97-6	Mercury, inorganic	mg/kg	0.3	9	1.00	1.00	1.00	1.00	0.00	0	NR	40	Hydrock Derived			<1	<1	<1	<1	<1	<1	<1	<1	<1
7440-02-0	Nickel	mg/kg	1	9	9.00	31.00	22.44	23.00	6.91	0	NR	130	Hydrock Derived			14	23	25	31	23	23	29	25	9
7782-49-2	Selenium	mg/kg	1	9	2.00	2.00	2.00	2.00	0.00	0	NR	260	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-62-2	Vanadium	mg/kg	1	9	16.00	59.00	37.00	37.00	12.96	0	NR	410	Hydrock Derived			25	44	33	29	37	42	59	48	16
7440-66-6	Zinc	mg/kg	1	9	20.00	56.00	42.00	47.00	13.41	0	NR	3900	Hydrock Derived			22	48	56	48	35	47	56	46	20
P1095	Cyanide (free)	mg/kg	1	9	1.00	1.00	1.00	1.00	0.00	0	NR	24	Acute Risk - SoBRA 2020			<1	<1	<1	<1	<1	<1	<1	<1	<1
P1186	Total Phenols (Monohydric)	mg/kg	1	9	2.00	2.00	2.00	2.00	0.00	0	24237	120	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
83-32-9	Acenaphthene	mg/kg	0.05	9	0.10	1.44	0.25	0.10	0.45	0	57	230	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	1.44	<0.1	<0.1	<0.1
208-96-8	Acenaphthylene	mg/kg	0.05	9	0.10	0.10	0.10	0.10	0.00	0	86	180	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
120-12-7	Anthracene	mg/kg	0.05	9	0.10	1.54	0.26	0.10	0.48	0	1.17	2400	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	1.54	<0.1	<0.1	<0.1
56-55-3	Benz(a)anthracene	mg/kg	0.05	9	0.10	1.82	0.33	0.10	0.56	0	1.71	8.9	Hydrock Derived			<0.1	<0.1	0.32	<0.1	0.21	1.82	<0.1	<0.1	<0.1
50-32-8	Benzo(a)pyrene	mg/kg	0.05	9	0.10	0.94	0.22	0.10	0.28	0	0.91	5	C4SL - CL:AIRE 2014			<0.1	<0.1	0.25	<0.1	0.2	0.94	<0.1	<0.1	<0.1
205-99-2	Benzo(b)fluoranthene	mg/kg	0.05	9	0.10	1.13	0.25	0.10	0.34	0	1.22	2.6	Hydrock Derived			<0.1	<0.1	0.28	<0.1	0.23	1.13	<0.1	<0.1	<0.1
191-24-2	Benzo(ghi)perylene	mg/kg	0.05	9	0.10	0.28	0.12	0.10	0.06	0	0.02	320	Hydrock Derived			<0.1	<0.1	0.12	<0.1	<0.1	0.28	<0.1	<0.1	<0.1
207-08-9	Benzo(k)fluoranthene	mg/kg	0.05	9	0.10	0.23	0.11	0.10	0.04	0	0.69	78	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	0.23	<0.1	<0.1	<0.1
218-01-9	Chrysene	mg/kg	0.05	9	0.10	1.27	0.26	0.10	0.38	0	0.44	15	Hydrock Derived			<0.1	<0.1	0.29	<0.1	0.22	1.27	<0.1	<0.1	<0.1
53-70-3	Dibenz(ah)anthracene	mg/kg	0.05	9	0.10	0.10	0.10	0.10	0.00	0	0.004	0.25	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
206-44-0	Fluoranthene	mg/kg	0.05	9	0.10	5.68	0.81	0.10	1.84	0	19	290	Hydrock Derived			<0.1	<0.1	0.63	<0.1	0.35	5.68	<0.1	<0.1	<0.1
86-73-7	Fluorene	mg/kg	0.05	9	0.10	1.18	0.22	0.10	0.36	0	31	180	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	1.18	<0.1	<0.1	<0.1
193-39-5	Indeno(123cd)pyrene	mg/kg	0.05	9	0.10	0.37	0.14	0.10	0.09	0	0.06	28	Hydrock Derived			<0.1	<0.1	0.17	<0.1	0.11	0.37	<0.1	<0.1	<0.1
91-20-3	Naphthalene	mg/kg	0.05	9	0.10	0.47	0.14	0.10	0.12	0	76	13	Hydrock Derived			<0.1	<0.1	<0.1	<0.1	<0.1	0.47	<0.1	<0.1	<0.1
85-01-8	Phenanthrene	mg/kg	0.05	9	0.10	6.58	0.85	0.10	2.15	0	36	98	Hydrock Derived			<0.1	<0.1	0.31	<0.1	0.14	6.58	<0.1	<0.1	<0.1
129-00-0	Pyrene	mg/kg	0.05	9	0.10	3.68	0.56	0.10	1.18	0	2.2	620	Hydrock Derived			<0.1	<0.1	0.48	<0.1	0.3	3.68	<0.1	<0.1	<0.1
P1310	PAH 16 Total	mg/kg	0.8	9	1.60	26.60	4.52	1.60	8.29			-				<1.6	<1.6	2.9	<1.6	<1.6	26.6	<1.6	<1.6	<1.6
o	**TPH fractions**																								
P1407	TPH ali EC05-EC06	mg/kg	0.001	9	0.01	0.01	0.01	0.01	0.000	0	304	42	Hydrock Derived			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1408	TPH ali >EC06-EC08	mg/kg	0.001	9	0.05	0.05	0.05	0.05	0.000	0	144	100	Hydrock Derived			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
P1409	TPH ali >EC08-EC10	mg/kg	0.001	9	2.00	2.00	2.00	2.00	0.000	0	78	27	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
P1410	TPH ali >EC10-EC12	mg/kg	1	9	2.00	2.00	2.00	2.00	0.00	0	48	130	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
P1411	TPH ali >EC12-EC16	mg/kg	2	9	3.00	3.00	3.00	3.00	0.00	0	24	1100	Hydrock Derived			<3	<3	<3	<3	<3	<3	<3	<3	<3
P1938	TPH ali >EC16-EC35	mg/kg	10	9	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived			<10	<10	<10	<10	<10	<10	<10	<10	<10
P1415	TPH ali >EC35-EC44	mg/kg	8.4	9	10.00	10.00	10.00	10.00	0.00	0	8	65000	Hydrock Derived			<10	<10	<10	<10	<10	<10	<10	<10	<10
P1420	TPH ali >EC5-EC44	mg/kg	10	9	30.00	30.00	30.00	30.00	0.00			-				<30	<30	<30	<30	<30	<30	<30	<30	<30
P1441	TPH aro EC05-EC07	mg/kg	0.001	9	0.01	0.01	0.01	0.01	0.00	0	1218	73	Hydrock Derived			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
P1355	TPH aro >EC07-EC08	mg/kg	0.001	9	0.05	0.05	0.05	0.05	0.00	0	869	130	Hydrock Derived			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
P1356	TPH aro >EC08-EC10	mg/kg	0.001	9	2.00	2.00	2.00	2.00	0.00	0	613	35	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
P1357	TPH aro >EC10-EC12	mg/kg	1	9	2.00	2.00	2.00	2.00	0.00	0	364	75	Hydrock Derived			<2	<2	<2	<2	<2	<2	<2	<2	<2
P1358	TPH aro >EC12-EC16	mg/kg	2	9	2.00	7.00	2.56	2.00	1.67	0	169	140	Hydrock Derived			<2	<2	<2	<2	<2	7	<2	<2	<2
P1359	TPH aro >EC16-EC21	mg/kg	10	9	3.00	17.00	4.56	3.00	4.67	0	54	260	Hydrock Derived			<3	<3	<3	<3	<3	17	<3	<3	<3
P1360	TPH aro >EC21-EC35	mg/kg	10	9	10.00	27.00	11.89	10.00	5.67	0	5	1100	Hydrock Derived			<10	<10	<10	<10	<10	27	<10	<10	<10
P1362	TPH aro >EC35-EC44	mg/kg	8.4	9	10.00	10.00	10.00	10.00	0.00	0	5	1100	Hydrock Derived			<10	<10	<10	<10	<10	<10	<10	<10	<10
P1941	TPH aro >EC5-EC44	mg/kg	10	9	30.00	50.00	32.22	30.00	6.67			-				<30	<30	<30	<30	<30	50	<30	<30	<30
P1373	Total TPH >EC5-EC44	mg/kg	10	9	60.00	60.00	60.00	60.00	0.00			-				<60	<60	<60	<60	<60	<60	<60	<60	<60
o	**VOCs - BTEX & MTBE**																								
71-43-2	Benzene	mg/kg	1	9	0.00	0.00	0.00	0.00	0.00	0	1218	0.2	C4SL - CL:AIRE 2014			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
108-88-3	Toluene	mg/kg	1	9	0.01	0.01	0.01	0.01	0.00	0	869	130	Hydrock Derived			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
100-41-4	Ethylbenzene	mg/kg	1	9	0.00	0.00	0.00	0.00	0.00	0	518	47	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
95-47-6	Xylene, o-	mg/kg	1	9	0.00	0.00	0.00	0.00	0.00	0	478	61	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1330-20-7	Xylene, p- (or combined m & p)	mg/kg	1	9	0.00	0.00	0.00	0.00	0.00	0	576	57	Hydrock Derived			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1634-04-4	MTBE	mg/kg	1	9	0.01	0.01	0.01	0.01	0.00	0	20358	62	Hydrock Derived			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Assessment of Chemicals of Potential Concern to Plant Life

Use these buttons to automatically hide/unhide filtered columns / rows based on the zone/strata selection

Hide CLT Statistical Assessment

Show CLT Statistical Assessment

HIDDEN COLUMNS: 0

Risk parameter: Phytotoxic pH >7

Client: Abri

Site: 115 Chatham Street, Reading

Job no.: 19411

Lab. report no(s).: 23-11447

Data Filters

Zone	All
Strata	All
Depth Min (m bgl)	2
Depth Max (m bgl)	3
Dataset mean pH	8.09
Scenario pH	>7

Hydrock

ng/kg unless otherwise stated

Depth Filter		N	N	N	N	N	N	N	N	N										
Zone Filter		N	N	N	N	N	N	N	N	N										
Strata Filter		N	N	N	N	N	N	N	N	N										
Hidden?		N	N	N	N	N	N	N	N	N										
		WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST										
Date		08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23	08/09/23										
Zone		WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT	WS117A HOTSPOT										
Location		WS117A MIDDLE	WS117A MIDDLE	WS117A NORTH	WS117A NORTH	WS117A EAST	WS117A EAST	WS117A SOUTH	WS117A SOUTH	WS117A WEST										
Depth (m bgl)		2.6	3	2	3	2.2	2.9	2.2	2.8	2.5										
Chemical of Potential Concern	**Units**	**LoD**	**No. Samples**	**Min. Value**	**Max. Value**	**Mean**	**Median**	**Standard Deviation**	**No. Samples >= GAC & > LoD**	**GAC**	**GAC Source**	**Strata**	TGM	TGM	TGM	TGM	TGM	TGM	TGM	TGM	TGM
Hydrock Default Suite - FOC / SOM / pH																					
pH (su)	pH Units	0.1	9	7.80	8.40	8.09	8.10	0.20		-	-		8	8.1	8.2	8.3	8.2	8.4	7.8	7.9	7.9
Hydrock Default Suite - Metals & PAH																					
Arsenic	mg/kg	1	9	8.00	27.00	19.67	22.00	6.28	0	250	MAFF 1998		14	23	16	17	22	25	27	25	8
Boron	mg/kg	0.2	9	1.00	1.00	1.00	1.00	0.00	0	5	Nable, et al. 1997		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium (III)	mg/kg	1	9	7.00	25.00	15.22	15.00	5.56	0	400	MAFF 1998 (Cr(T))		9	18	15	12	14	17	25	20	7
Chromium (VI)	mg/kg	1.8	9	2.00	2.00	2.00	2.00	0.00	0	25	ICRCL 70/90 1990		<2	<2	<2	<2	<2	<2	<2	<2	<2
Copper	mg/kg	1	9	5.00	40.00	12.33	9.00	10.68	0	200	BS3882 2015		6	12	12	9	7	11	40	9	5
Nickel	mg/kg	1	9	9.00	31.00	22.44	23.00	6.91	0	110	BS3882 2015		14	23	25	31	23	23	29	25	9
Zinc	mg/kg	1	9	20.00	56.00	42.00	47.00	13.41	0	300	BS3882 2015		22	48	56	48	35	47	56	46	20

Legend:

TGM	Taplow Gravel Member

<0.02	Value below the laboratory reporting limit and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.
0.02	Value greater than, or equal to, the generic assessment criterion (GAC).
64.00	Value exceed saturation limit and substance is liquid or solid at ambient temperature
***<10**	Value excluded from statistical analysis
***Y**	Text result
-	Represents a determinand that was not tested.
♦	represents a data point that is not included in the current filter settings

sion:

3

Remedial Targets Methodology Data Table

Hydrock

Hydrock Scenario: Scenario A - DWS

RTM Level: RTM Level 1 - Soil Zone Assessment - leachate samples

Water body receptor(s): Groundwater and surface water
Secondary receptor(s): Human health (abstraction)
Data set: Leachate
Client: Abri
Site: 115 Chatham Street
Job no: 19411
Test Certificates(s): 23-11447.1

Dataset ALL ZONES

	PNEC calculated (inland EQS)

123* Exceeds solubility value
<1 Grey text and "<" sign if value <= LoD
999 Red text if value > DWS

Surface Water Representative Hardness as mg/l $CaCO_3$ 10

CAS / AGS Number	Chemical of Potential Concern (µg/l)	WFD Designation	Hazardous Substance Status	Solubility Limit (µg/l)	No. of samples	Limit of Detection	DWS		WS117A Centre 2.60	WS117A Centre 3.00						
								Strata / Zone	WS117A HOTSPOT	WS117A HOTSPOT						
								Date sampled:	08/09/2023	08/09/2023						
7440-22-4	Silver (Ag) (dissolved)				2	0.13	n/a		<0.13	<0.13						
7429-90-5	Aluminium (Al) (dissolved)				2	5	200		14	14						
7440-38-2	Arsenic (As) (dissolved)	SP	H		2	5	10		<5	<5						
7440-42-8	Boron (B) (dissolved)		NP		2	5	1000		15	23						
7440-39-3	Barium (Ba) (dissolved)				2	5	1300		<5	<5						
7440-43-9	Cadmium (Cd) (dissolved)	PH	NP		2	0.4	5		<0.4	<0.4						
7440-48-4	Cobalt (Co) (dissolved)		NP		2	2	n/a		<2	<2						
18540-29-9	Chromium (VI) (Cr) (dissolved)	SP	H		2	20	n/a		<20	<20						
16065-83-1	Chromium (III) (Cr) (dissolved)	SP			2	20	n/a		<20	<20						
7440-47-3	Chromium (Cr) (total) (dissolved)				2	5	50		<5	<5						
7440-50-8	Copper (Cu) (dissolved)	SP	NP		2	5	2000		<5	<5						
7439-89-6	Iron (Fe) (dissolved)	SP			2	5	200		12	<5						
7439-97-6	Mercury (Hg) (dissolved)	PH	H		2	0.05	1		<0.05	<0.05						
P1286	Manganese (Mn) (dissolved)	SP			2	5	50		<5	<5						
7440-23-5	Sodium (Na) (dissolved)				2	0.2	200000		2.8	3.9						
7440-02-0	Nickel (Ni) (dissolved)	P	NP		2	5	20		<5	<5						
7439-92-1	Lead (Pb) (dissolved)	P	H		2	5	10		<5	<5						
7440-36-0	Antimony (Sb) (dissolved)		NP		2	5	5		<5	<5						
7782-49-2	Selenium (Se) (dissolved)		NP		2	5	10		<5	<5						
7440-31-5	Tin (Sn) (dissolved)				2	5	n/a		<5	<5						
7440-62-2	Vanadium (V) (dissolved)				2	5	n/a		<5	<5						
7440-66-6	Zinc (Zn) (dissolved)	SP	NP		2	2	n/a		18	13						
P1095	Cyanide (free) (hydrogen cyanide)	SP	NP		2	5	n/a		<5	<5						
57-12-5	Cyanide (total)				2	5	50		<5	<5						
P1140	Ammonium (NH_4^+)		NP		2	50	500		208	112						
P1238	Ammoniacal Nitrogen (as N)		NP		2	50	n/a		208	112						
P1720	Ammonia (unionised) (NH_3 as N) {free ammonia}	SP	NP		2	50	n/a		208	112						
15541-45-4	Bromate (BrO_3)				2	0.8	10		<0.8	<0.8						
16887-00-6	Chloride (Cl^-)				2	1	250000		<1	<1						
16984-48-8	Fluoride (F^-)				2	0.5	1500		<0.5	<0.5						
P1348	Nitrate (NO_3^-)				2	0.5	50000		0.9	0.8						
P1349	Nitrite (NO_2^-)				2	0.5	500		<0.5	<0.5						
14808-79-8	Sulfate (SO_4^{2-})				2	1	250000		8	13						
P1134	pH (min.) (su)				2	0	6.5		7.2	7.5						
P1134	pH (max.) (su)				0		9.5									
P1287	Electrical conductivity (µS/cm)				2	5	2500		133	149						
120-12-7	Anthracene	PH	H	56	2	0.01	n/a		0.03	0.04						
50-32-8	Benzo(a)pyrene	PH	H	3.8	2	0.01	0.01		<0.01	<0.01						
206-44-0	Fluoranthene	P	H	230	2	0.01	n/a		0.03	0.03						
91-20-3	Naphthalene	P	NP	19000	2	0.01	n/a		0.05	0.12						
GRP01	PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene	P	H		2	0.038	0.1		<0.038	<0.038						
P1877	Phenol	SP	NP	84100000	2	10	n/a		<10	<10						

Appendix E Asbestos Survey Records

Airsafe Surveys Ltd

Demolition / Refurbishment

Asbestos Survey Report

Survey Conducted

12th August 2020



Survey Conducted By

Surveyors: A Porter & M Huddleston

Report Production

Report Prepared by: A Porter

Date: 14th August 2020

Signature: 

Report Proof-Read by: R Wren CCP (Asbestos)

Date: 14th August 2020

Signature: 

Contact Points

Airsafe Surveys Ltd
14 Normandy Street
Alton
Hampshire
GU34 1BX

Tel: 01420 89990

Mr Andrew Porter
(Survey Manager)

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1.13 CAR 2012 (exert regarding ACM removal)

2.0 References

Appendix A – Results of Laboratory Testing

Appendix B – Data Sheets

Appendix C – Summary of Findings

Appendix D – Plans

1.0 Executive Summary

Within the scope of this survey Asbestos Containing Materials (ACM's) have been identified. The incidence of asbestos and the actions recommended are summarised below.

Total number of suspect materials sampled **10**

Number of samples containing Asbestos **7**

Total Recommendations for:

- Remove **7**
- Encapsulate, label & manage in-situ **0**
- Label & manage in-situ **0**
- Manage in-situ **0**

Throughout the report the following colour coding is used.

Red	Laboratory analysis shows that **asbestos is present** in the recovered sample.
Orange	No laboratory analysis has been carried out because it was not possible to recover a sample at this location and it is **considered likely that asbestos is present.**
Green	Laboratory analysis shows that **asbestos is not present** in the recovered sample (NADIS)

Asbestos Insulation (lagging / sprayed insulation)

- N/A

Asbestos Insulation Board

- B04: Extension Section – 1st Floor, Former Boiler Room – Insulation board panels to ceiling
- B06: Extension Section - 1st Floor, Fire Exit Stairs – Insulation board panels to ceiling
- B10: Extension Section – GF, Plant Room – Insulation board panels to ceiling in 2 x areas

Asbestos Cement Products

- B01 & B02: Extension Area – Roof – Cement roofing sheets (double skin roof)

Asbestos Textile Materials

- B05: Extension Section – Throughout – Textile flash guards within switchgear

Asbestos Composite Materials

- B07: Original Section – GF, Stairs to basement & side exit – Nosing strips to steps

Materials found to be NADIS (no asbestos detected in sample)

- B03: Extension Section – Roof – Insulation between cement roof sheet layers
- B08: Original Section – GF, Electrical Cupboard – Door panels
- B09: Extension Section – GF, Ceiling Void – Fire proofing curtain

Demolition / Refurbishment Asbestos Survey – General Building Description	
Area	**Comments**
Roof	Original – Timber lined natural slate tiles Extension – Double skin asbestos cement roof sheets
Loft Spaces	Original – Plasterboard linings, MMMF insulation Extension – MMMF insulation, bare steel work
Soffits	Original – Wooden Extension - Wooden
Fascias	Original – Wooden Extension – Metal cladding with MMMF lining
Rain Water Goods	Original – Plastic Extension – Metal
Flues / Cowls	Original – Metal Extension – Metal
Cavity Walls	Original – Brick Extension – Block & metal wall sheets lined with MMMF & paper
Partition Walls	Original – Plasterboard Extension – Plasterboard
Ceilings	Original – Plasterboard / Grid Tiles Extension – Plasterboard / Grid Tiles
Window / Door Frames	Original – No Suspect Materials Extension – Wooden & plaster window panels
Floor Voids	Original – Wooden with bare cavity Extension – Concrete slab
Concealed Risers / Voids	Original – Plastic & metal down pipes Extension – Metal down pipes
Electrical Switchgear	Original – Modern distribution boards Extension – Asbestos flash guards within switchgear
Locked Areas / Limited Access	Limited access to high level roof areas

Areas excluded from the scope of this survey

- Voids beyond know or suspected asbestos containing materials were not accessed.

- Soil and land testing is not covered in the remit of this survey.

Background

1.1 Asbestos has been used extensively in the building industry for over one hundred years and has proved to be an excellent product for a variety of uses, having many qualities such as insulation, fire and chemical resistance. Its suitability across a wide range of uses and its relatively cheap cost made it very popular, with over 3,000 different asbestos products having been recorded.

1.2 The use of asbestos containing materials (ACM's) was most prevalent between the 1950's and 1970's when it provided an economic, easy to use and versatile material. Unfortunately, given the constitution and make up of asbestos it can give rise to microscopic airborne fibres being released into the working environment. The fibres have carcinogenic properties, which, when inhaled can lodge in the lining of the lungs causing disease and death.

1.3 For this reason the use of asbestos has receded and its use in buildings was eventually banned in 1999. Despite its ban, millions of tonnes of ACM's are still present in properties and buildings throughout the UK.

Scope and Purpose

1.4 Bellway Homes Ltd (Thames Valley) has commissioned Airsafe Surveys Ltd to undertake a Demolition / Refurbishment Asbestos Survey of 115 Chatham Street, Reading, RG1 7JX. The aim of the survey was to locate and identify the presence of ACM's or suspected ACM's, as far as is reasonably practicable. This report provides a record and assessment of the extent and characteristics of ACM's. It is assumed that all ACMs identified will be removed to enable demolition / refurbishment, therefore priority assessment scores are not given.

1.5 This type of survey employs the use of destructive sampling techniques of an unfamiliar site. Although every effort is made to locate all asbestos containing materials, it cannot be ruled out that undiscovered ACMs may be present in inaccessible areas due to the way that ACMs were used during construction. Therefore we cannot give assurances that all asbestos containing materials have been located and as such we recommend that further sampling be undertaken, should any suspect material become accessible during the course of any demolition / refurbishment works.

Site Description & Survey Purpose

The building surveyed is a brick built office block with an extension added in the 1980s. This building is to be demolished.

Sources of Data

Background Information

1.6 No background information was available concerning the location of asbestos-containing materials within the buildings on the site.

Inspection, sampling and testing

1.7 Airsafe Surveys Ltd carried out a visual inspection of the buildings. The purpose of the inspection was to identify locations where the presence of asbestos is suspected, and to make arrangements for the recovery and testing of representative samples, where practicable. The inspection also enabled informed judgements to be made about the likelihood of asbestos being present in situations where samples could not be recovered.

1.8 Based on the findings of the visual inspection, representative bulk samples of materials suspected of containing asbestos were recovered. During the sampling process, care was taken to verify that the recovered samples were representative of the situation and the medium in which asbestos contamination was suspected. The sampling protocol that was used is as specified in HSG264 (Asbestos: The Survey Guide), published by the Health & Safety Executive.

1.9 The recovered samples were subsequently examined by Airsafe Analytical Ltd (UKAS number: 4376) to establish their asbestos content, in accordance with their in-house procedures and HSG248 (Asbestos: The analysts' guide for sampling, analysis and clearance procedures), published by the Health & Safety Executive. The analysis certificate is presented in Appendix A.

Presentation of Findings

Data Sheets

1.10 A series of data sheets provide assessments and recommendations for each of the locations where samples were taken. These data sheets are presented in Appendix B. The information in the data sheets is summarised in Appendix C.

Plans

1.11 Asbestos location plans presented in Appendix D if supplied by client at the time of the survey, shows the locations of all materials found to contain Asbestos (ACM's). Additionally areas of no access, if applicable, will be highlighted on the plans.

Material Assessment Algorithm

1.12 A material assessment algorithm for potential of fibre release has been carried out for all asbestos materials found, based on their product type, condition (extent of damage/deterioration), surface treatment and asbestos type. The method adopted is as described below;

Sample Variable	Score	Examples of scores
Product Type (or debris from product)	1	Asbestos-reinforced composites (plastics, resins, mastics, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc.).
	2	AIB, millboards, other low-density insulation boards, asbestos textiles, gaskets, ropes & woven textiles, asbestos paper & felt.
	3	Thermal insulation (e.g. pipe & boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses & packing.
Extent of Damage / Deterioration	0	Good Condition
	1	Low Damage
	2	Medium Damage
	3	High Damage
Surface Treatment	0	Composite materials (reinforced plastics, resins, vinyl tiles)
	1	Enclosed sprays & lagging, AIB (with exposed face painted or encapsulated), asbestos cement
	2	Unsealed AIB, or encapsulated lagging & sprays
	3	Unsealed lagging & sprays
Asbestos Type	1	Chrysotile
	2	Amphibole asbestos excluding crocidolite
	3	Crocidolite

Score	Potential to release fibres
10 or more	High
7 – 9	Medium
5 – 6	Low
4 or less	Very Low

Control of Asbestos Regulations

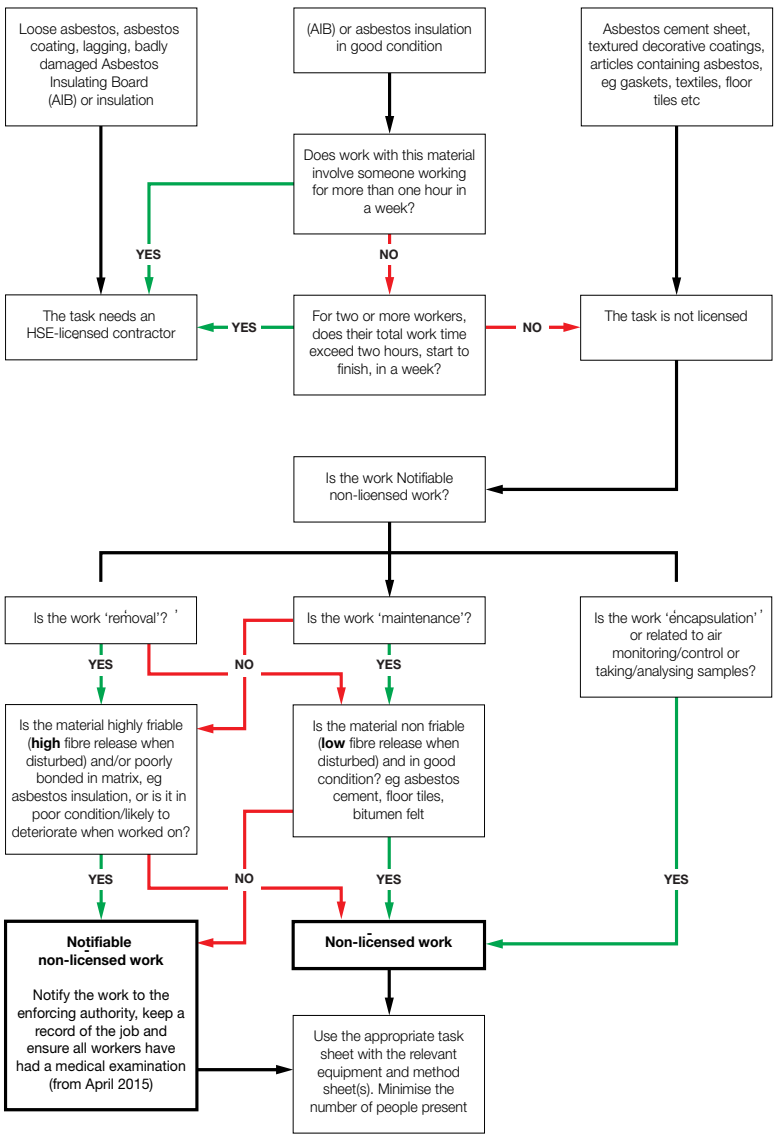
1.13 The Control of Asbestos Regulations 2012 (CAR) applies to most work situations involving risk of exposure to asbestos. CAR requires that employers:

- Take all reasonable steps to identify the locations of materials likely to contain asbestos.
- Assume that the identified materials contain asbestos, unless there is evidence to the contrary.
- Keep an up to date written record (an **Asbestos Register**) of the location of asbestos-containing materials.
- Monitor the condition of asbestos-containing materials.
- If any remedial / removal works are required it should be determined whether the work is licensed, notifiable non-licensed or non-licensed. This has to be determined in each case and will depend on the type of work being carried out, the type of material and its condition (as shown in the decision flow chart below).
    - Some non-licensed work needs to be notified to the relevant enforcing authority.
    - Brief written records should be kept of non-licensed work, which has to be notified e.g. copy of the notification with a list of workers on the job, plus the level of likely exposure of those workers to asbestos. This does not require air monitoring on every job, if an estimate of degree of exposure can be made based on experience of similar past tasks or published guidance.
    - By April 2015, all workers / self-employed carrying out notifiable non-licensed work with asbestos must be under health surveillance by a Doctor. Workers who are already under health surveillance for licensed work need not have another medical examination for non-licensed work. BUT medicals for notifiable non-licensed work are not acceptable for those carrying out licensed work
- Make a written assessment of the risk of exposure from asbestos.
- The Regulations require mandatory training for anyone liable to be exposed to asbestos fibres at work. This includes maintenance workers and others who may come into contact with or who may disturb asbestos as well as those involved in asbestos removal work.
- Prepare and implement a **management plan** to control asbestos-related health risks, including measures to ensure that:
    - Materials known or presumed to create a risk of exposure to asbestos is repaired or, if necessary removed.

- Materials known or presumed to contain asbestos, but which does not pose a risk of exposure, are maintained in a good state of repair.
- Information about the location and condition of materials known or presumed to contain asbestos are given to anyone likely to disturb them.

Decision flow chart

Use this simple flow chart to help you decide who needs to do the work:



2.0 REFERENCES

(1) HSG264 Asbestos: The Survey Guide
HSE Books

(2) HSG248 Asbestos: The analysts ' guide for sampling, analysis and clearance procedures.
Methods for the Determination of Hazardous Materials, HSE Books

(3) HSG227 A Comprehensive Guide to Managing Asbestos in Premises
HSE Books

(4) The Control of Asbestos Regulations 2012

(5) Working with materials containing Asbestos
Approved Code of Practice (CAR 2012)

Appendix A

Results of Laboratory Testing
(Bulk Sample Identification Certificates)

AIRSAFE ANALYTICAL LTD
14 NORMANDY STREET, ALTON, HANTS, GU34 1BX

TEL: 01420 88883 / 89990 email: info@airsafe.org.uk

UKAS TESTING
4376

Certificate of Analysis

Job Number :	AA17738	Date :	14/08/2020	Analyst :	AP

Name & Address of Client :	Site Address :
Airsafe Surveys on behalf of :	115 Chatham Street
Bellway Homes Ltd (Thames Valley)	Reading
Pacific House	
Imperial Way	
Reading	
Postcode : RG2 0TD Tel :	Postcode : RG1 7JX

Date Samples Taken :	12/08/2020	Certificate Number :	1 of 2
Date Samples Received :	12/08/2020	Total Number of Samples :	10
Date of Analysis :	13/08/2020	Clients Representative :	Daniel Bugler

Samples collected by the client are evaluated using information provided by the client at the time of delivery. Airsafe Analytical Limited are not responsible for the accuracy and / or competence of the sampling by third parties. Under these circumstances Airsafe Analytical Limited cannot be held responsible for the interpretation of the results shown.
All samples of material, detailed below, have been examined to determine the presence of Asbestos fibres using Polarised Light Microscopy and the McCrone Dispersion Staining Technique in accordance with Airsafe Analytical Limited's documented "in-house" procedures which are based on the HSE's guidance note HSG248 - Asbestos: The Analysts' guide for sampling analysis and clearance procedures.

AA Sample Reference	Client Sample Number	Sample Description / Material Type	Fibre Type Detected
B01		Roof sheet top layer	CHRYSOTILE
B02		Roof sheet lower layer	CHRYSOTILE
B03		Insulation between roof sheets	NADIS
B04		Ceiling panels	CHRYSOTILE AMOSITE
B05		Flash guards	CHRYSOTILE
B06		Ceiling panels	AMOSITE
B07		Stair nosing	CHRYSOTILE
B08		Door panels	NADIS

NADIS = No Asbestos Detected In Sample

All samples will be retained by the laboratory for a minimum of 6 months from the date the samples were received.

Authorised by :	R. Wren	Date :	14/08/2020	Time :	1215
Signature :					

This Certificate may only be reproduced in FULL and with the written authority of the issuing laboratory.

AIRSAFE ANALYTICAL LTD
14 NORMANDY STREET, ALTON, HANTS, GU34 1BX

TEL: 01420 88883 / 89990 email: info@airsafe.org.uk

UKAS TESTING
4376

Certificate of Analysis

Job Number :	AA17738	Date :	14/08/2020	Analyst :	AP

Name & Address of Client :	Site Address :
Airsafe Surveys on behalf of :	115 Chatham Street
Bellway Homes Ltd (Thames Valley)	Reading
Pacific House	
Imperial Way	
Reading	
Postcode : RG2 0TD Tel :	Postcode : RG1 7JX

Date Samples Taken :	12/08/2020	Certificate Number :	2 of 2
Date Samples Received :	12/08/2020	Total Number of Samples :	10
Date of Analysis :	13/08/2020	Clients Representative :	Daniel Bugler

Samples collected by the client are evaluated using information provided by the client at the time of delivery. Airsafe Analytical Limited are not responsible for the accuracy and / or competence of the sampling by third parties. Under these circumstances Airsafe Analytical Limited cannot be held responsible for the interpretation of the results shown.
All samples of material, detailed below, have been examined to determine the presence of Asbestos fibres using Polarised Light Microscopy and the McCrone Dispersion Staining Technique in accordance with Airsafe Analytical Limited's documented "in-house" procedures which are based on the HSE's guidance note HSG248 - Asbestos: The Analysts' guide for sampling analysis and clearance procedures.

AA Sample Reference	Client Sample Number	Sample Description / Material Type	Fibre Type Detected
B09		Fire curtain	NADIS
B10		Ceiling panels	AMOSITE

NADIS = No Asbestos Detected In Sample

All samples will be retained by the laboratory for a minimum of 6 months from the date the samples were received.

Authorised by :	R. Wren	Date :	14/08/2020	Time :	1216
Signature :	R. Wren				

This Certificate may only be reproduced in FULL and with the written authority of the issuing laboratory.

Appendix B

Data Sheets

Sample Ref: B01 **Location:** Extension Section - Roof



Material Sampled: Cement roofing sheets - top layer (double skin roof)
Analysis Result: **Chrysotile (white) Asbestos**
Approximate Quantity: 400 Sqm
Product Type: **Asbestos Re-inforced Composites**
Condition: **Good Condition**
Surface Treatment: **Cement / Sealed AIB / Enclosed Lagging**
Material Assessment Score: **3**

Remarks / Recommendations: Remove.

Sample Ref: B02 **Location:** Extension Section - Roof



Material Sampled: Cement roofing sheets - lower layer (double skin roof)
Analysis Result: **Chrysotile (white) Asbestos**
Approximate Quantity: 400 Sqm
Product Type: **Asbestos Re-inforced Composites**
Condition: **Good Condition**
Surface Treatment: **Cement / Sealed AIB / Enclosed Lagging**
Material Assessment Score: **3**

Remarks / Recommendations: Remove.

Sample Ref: B03 **Location:** Extension Section - Roof



Material Sampled: Insulation between cement roof sheet layers
Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:
Material Assessment Score: **0**

Remarks / Recommendations:

Sample Ref: B04 **Location:** Extension Section - 1st Floor, Former Boiler Room

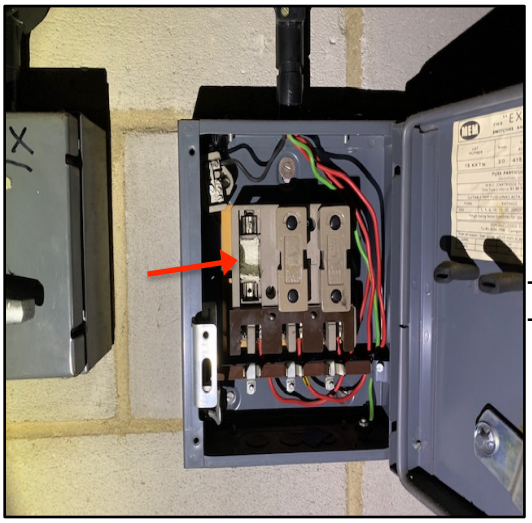


Material Sampled: Insulation board panels to ceiling

Analysis Result: **Amosite (brown) Asbestos**
Approximate Quantity: 4 Sqm
Product Type: **AIB / Millboards / Textiles**
Condition: **Good Condition**
Surface Treatment: **Cement / Sealed AIB / Enclosed Lagging**
Material Assessment Score: **5**

Remarks / Recommendations: Remove.
This form of Asbestos can only be removed by a HSE licensed contractor.

Sample Ref: B05 **Location:** Extension Section - Throughout



Material Sampled: Textile flash guards to switchgear

Analysis Result: **Chrysotile (white) Asbestos**
Approximate Quantity: <1 Sqm
Product Type: **AIB / Millboards / Textiles**
Condition: **Good Condition**
Surface Treatment: **Composite Materials**
Material Assessment Score: **3**

Remarks / Recommendations: Remove.

Sample Ref: B06 **Location:** Extension Section - 1st Floor, Fire Exit Stairwell



Material Sampled: Insulation board panels to ceiling

Analysis Result: **Amosite (brown) Asbestos**
Approximate Quantity: 12 Sqm
Product Type: **AIB / Millboards / Textiles**
Condition: **Good Condition**
Surface Treatment: **Cement / Sealed AIB / Enclosed Lagging**
Material Assessment Score: **5**

Remarks / Recommendations: Remove.
This form of Asbestos can only be removed by a HSE licensed contractor.

Sample Ref: B07 **Location:** Original Section - GF, Stairs to Basement & Side Exit



Material Sampled: Composite nosing strips to steps

Analysis Result: **Chrysotile (white) Asbestos**
Approximate Quantity: 6 Sqm
Product Type: **Asbestos Re-inforced Composites**
Condition: **Good Condition**
Surface Treatment: **Composite Materials**
Material Assessment Score: **2**

Remarks / Recommendations: Remove.

Sample Ref: B08 **Location:** Original Section - GF, Electrical Cupboard

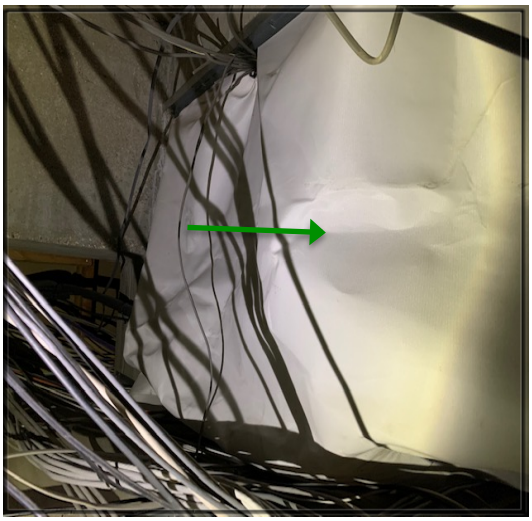


Material Sampled: Insulation board panels on doors

Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:
Material Assessment Score: **0**

Remarks / Recommendations:

Sample Ref: B09 **Location:** Extension Section - GF, Ceiling Voids



Material Sampled: Fire proofing curtain

Analysis Result: **No Asbestos Detected**
Approximate Quantity:
Product Type:
Condition:
Surface Treatment:
Material Assessment Score: **0**

Remarks / Recommendations:

Sample Ref: B10 **Location:** Extension Section - GF, Plant Room



Panel to rear of room.



Panel above entrance door.

Material Sampled:	Insulation board panels to ceiling in 2 x areas
Analysis Result:	**Amosite (brown) Asbestos**
Approximate Quantity:	<1 Sqm
Product Type:	**AIB / Millboards / Textiles**
Condition:	**Good Condition**
Surface Treatment:	**Cement / Sealed AIB / Enclosed Lagging**
Material Assessment Score:	**5**

Remarks / Recommendations: Remove.
This form of Asbestos can only be removed by a HSE licensed contractor.

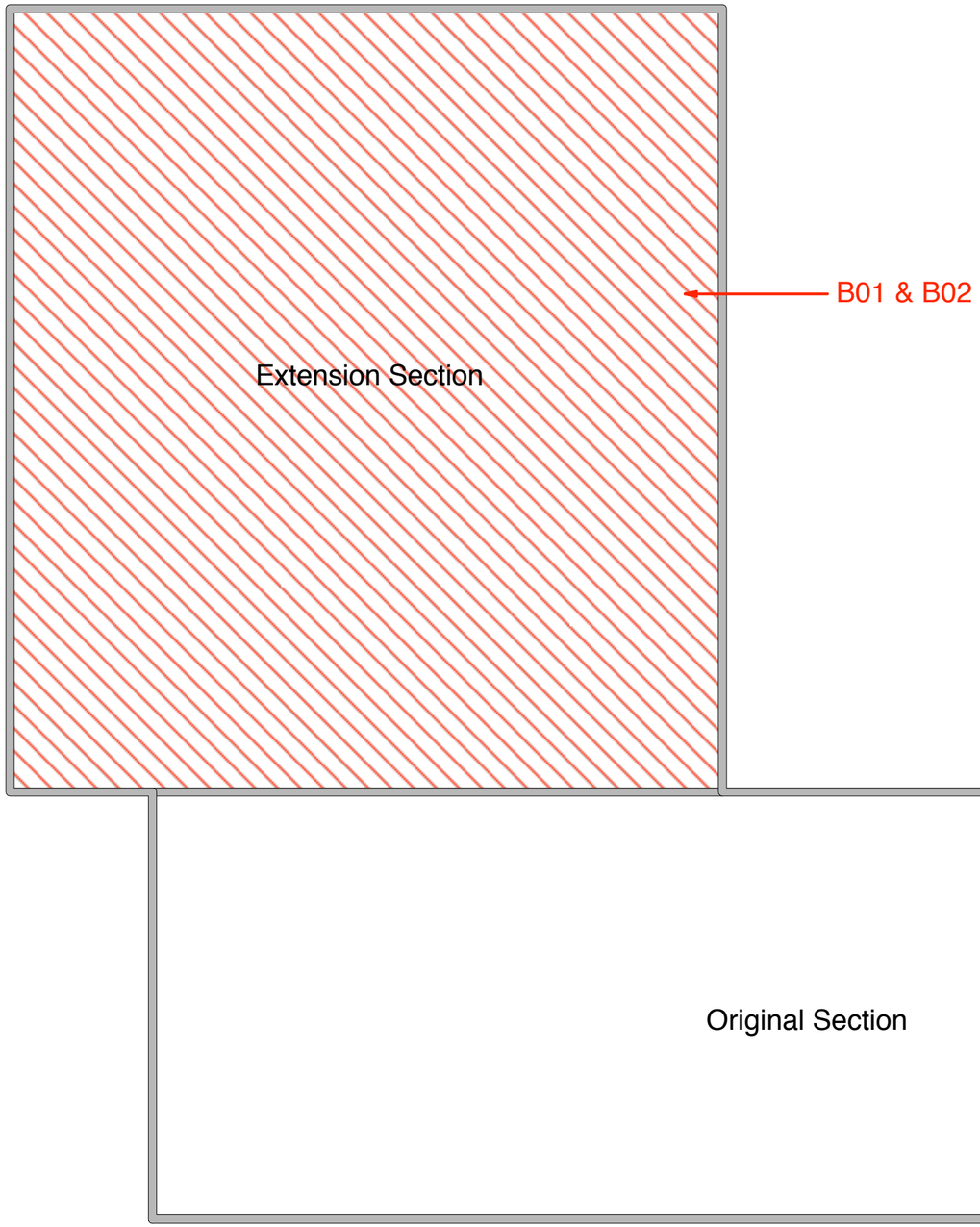
Appendix C

Summary of Findings

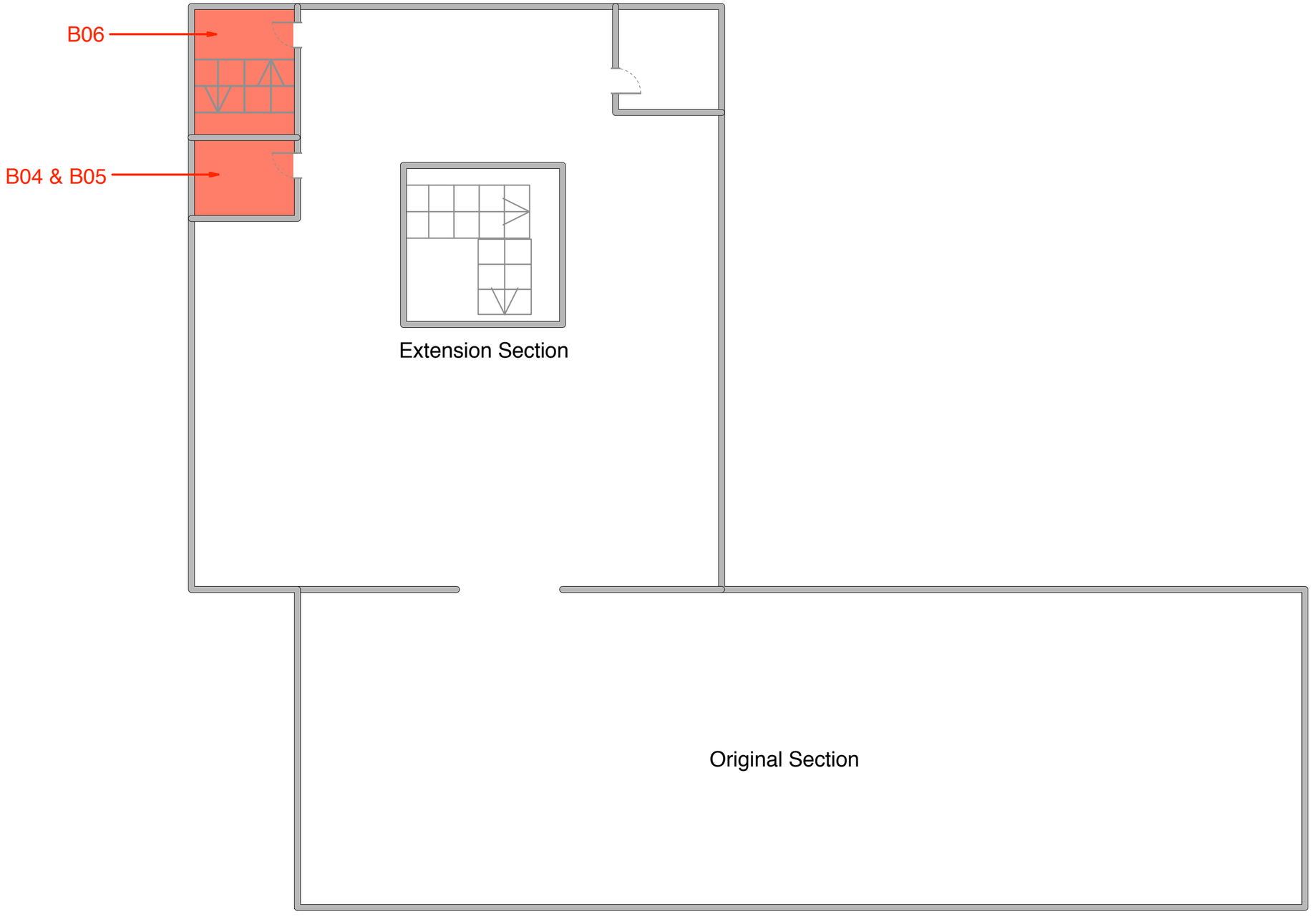
No	Location	Material Sampled	Asbestos Content	Quantity
B01	Extension Section - Roof	Cement roofing sheets - top layer	Chrysotile (white) Asbestos	400 Sqm
B02	Extension Section - Roof	Cement roofing sheets - lower layer	Chrysotile (white) Asbestos	400 Sqm
B03	Extension Section - Roof	Insulation between cement roof sheet layers	No Asbestos Detected	N/A
B04	Extension Section - 1st Floor, Former Boiler Room	Insulation board panels to ceiling	Amosite (brown) Asbestos	4 Sqm
B05	Extension Section - Throughout	Textile flash guards to switchgear	Chrysotile (white) Asbestos	<1 Sqm
B06	Extension Section - 1st Floor, Fire Exit Stairwell	Insulation board panels to ceiling	Amosite (brown) Asbestos	12 Sqm
B07	Original Section - GF, Stairs to Basement & Side Exit	Composite nosing strips to steps	Chrysotile (white) Asbestos	6 Sqm
B08	Original Section - GF, Electrical Cupboard	Insulation board panels on doors	No Asbestos Detected	N/A
B09	Extension Section - GF, Ceiling Voids	Fire proofing curtain	No Asbestos Detected	N/A
B10	Extension Section - GF, Plant Room	Insulation board panels to ceiling in 2 x areas	Amosite (brown) Asbestos	<1 Sqm

Appendix D

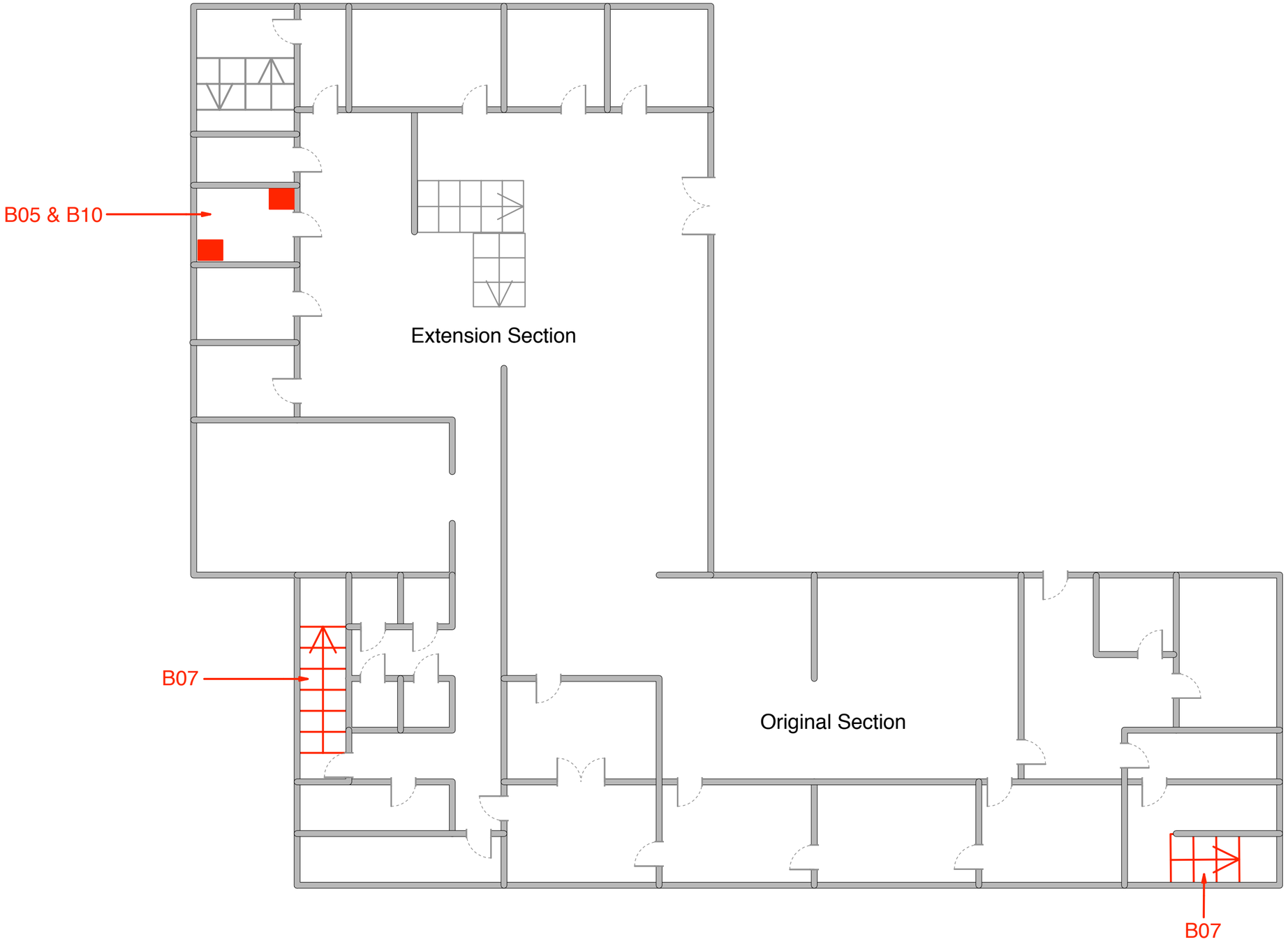
Asbestos Location Plan



Client	Bellway Homes Ltd (Thames Valley)	Site	Roof Area - 115 Chatham Street, Reading	Not to Scale



Client	Bellway Homes Ltd (Thames Valley)	Site	1st Floor - 115 Chatham Street, Reading	Not to Scale



Client	Bellway Homes Ltd (Thames Valley)	Site	Ground Floor - 115 Chatham Street, Reading	Not to Scale

The Control of Asbestos Regulations 2012 Exposure Record Sheet - Non Licensed Work

Operative Name	Taylor Stylo	Site	Chatham Street	Job Number	004	Week Commencing	9/10/20

Operatives Signature	Day Worked	Date Worked	Job Category (Type)	Material / Product (Type)	Asbestos Type (Colour)	Shift Worked	Monitoring Carried Out	PPE / RPE Worn	Exposure Hours Total
	Monday								
	Tuesday	10/10	1	A	W	D	P/B	HM/G	9
	Wednesday	11/10	1	A	W	D	P/B	HM/G	9
	Thursday	12/10	1	A	W	D	P/B	HM/G	9
	Friday								
	Saturday								
	Sunday								

KEY	Code	Job Category (Type)	Code	Material / Product (Type)	Code	Asbestos Type/Colour	Code	Shift Worked	Code	Monitoring Carried Out	Code	PPE/RPE Worn
	1	Removal (Cold cutting/Cropping)	A	Roof Coverings Corrugated	W	White	D	Day	P	Personal	HM	Half mask
	2	Removal (Using Hand Tools)	B	Roof Coverings Tile	BR	Brown	N	Night	B	Back Ground	DR	Disposable Mask
	3	Mechanical /Remote Removal	C	Rain Water Goods	BL	Blue			R	Reassurance	FF	Full Face
	4	Clearing Debris	D	Board					C	Clearance	O	Disposable overalls
	5	Fire Damaged	E	Floor Tile							G	Gloves
	6	Machine Operator	F	Adhesive							B	Boots/Non Lace
	7	On Hose	G	Paper							H	Hard Hat
	8	Lorry Driver/Transport	H	Toilet Seat/Cistern							HV	High Vis
	9		I	Cills							HA	Harness
			j	Texture coating								

Supervisor Signature:

The Control of Asbestos Regulations 2012 Exposure Record Sheet - Non Licensed Work

Operative Name	Sean green	Site	chatsworth	Job Number	007	Week Commencing	9/10/22

Operatives Signature	Day Worked	Date Worked	Job Category (Type)	Material / Product (Type)	Asbestos Type (Colour)	Shift Worked	Monitoring Carried Out	PPE / RPE Worn	Exposure Hours Total
	Monday	9/10/22	1	A	W	D	PID	HM/O	9
	Tuesday	10/10/22	1	A	W	D	PID	HM/O	9
	Wednesday	11/10/22	1	A	W	D	PID	HM/O	9
	Thursday								
	Friday								
	Saturday								
	Sunday								

KEY	Code	Job Category (Type)	Code	Material / Product (Type)	Code	Asbestos Type/Colour	Code	Shift Worked	Code	Monitoring Carried Out	Code	PPE/RPE Worn
	1	Removal (Cold cutting/Cropping)	A	Roof Coverings Corrugated	W	White	D	Day	P	Personal	HM	Half mask
	2	Removal (Using Hand Tools)	B	Roof Coverings Tile	BR	Brown	N	Night	B	Back Ground	DR	Disposable Mask
	3	Mechanical /Remote Removal	C	Rain Water Goods	BL	Blue			R	Reassurance	FF	Full Face
	4	Clearing Debris	D	Board					C	Clearance	O	Disposable overalls
	5	Fire Damaged	E	Floor Tile							G	Gloves
	6	Machine Operator	F	Adhesive							B	Boots/Non Lace
	7	On Hose	G	Paper							H	Hard Hat
	8	Lorry Driver/Transport	H	Toilet Seat/Cistern							HV	High Vis
	9		I	Cills							HA	Harness

Supervisor Signature:

The Control of Asbestos Regulations 2012 Exposure Record Sheet - Non Licensed Work

Operative Name	charlie brown	Site	Chatham Stm	Job Number	002	Week Commencing	9/10/12

Operatives Signature	Day Worked	Date Worked	Job Category (Type)	Material / Product (Type)	Asbestos Type (Colour)	Shift Worked	Monitoring Carried Out	PPE / RPE Worn	Exposure Hours Total
	Monday	9/10	1	D	W	D	P/B	HM/O	9
	Tuesday	10/10	1	A	W	D	B/P	HM/O	9
	Wednesday	11/10	1	A	W	D	B/P	HM/O	9
	Thursday	12/10	1	A	W	D	B/P	HM/O	9
	Friday								
	Saturday								
	Sunday								

KEY	Code	Job Category (Type)	Code	Material / Product (Type)	Code	Asbestos Type/Colour	Code	Shift Worked	Code	Monitoring Carried Out	Code	PPE/RPE Worn
	1	Removal (Cold cutting/Cropping)	A	Roof Coverings Corrugated	W	White	D	Day	P	Personal	HM	Half mask
	2	Removal (Using Hand Tools)	B	Roof Coverings Tile	BR	Brown	N	Night	B	Back Ground	DR	Disposable Mask
	3	Mechanical /Remote Removal	C	Rain Water Goods	BL	Blue			R	Reassurance	FF	Full Face
	4	Clearing Debris	D	Board					C	Clearance	O	Disposable overalls
	5	Fire Damaged	E	Floor Tile							G	Gloves
	6	Machine Operator	F	Adhesive							B	Boots/Non Lace
	7	On Hose	G	Paper							H	Hard Hat
	8	Lorry Driver/Transport	H	Toilet Seat/Cistern							HV	High Vis
	9		I	Cills							HA	Harness
			j	Texture coating								

Supervisor Signature:

The Control of Asbestos Regulations 2012 Exposure Record Sheet - Non Licensed Work

Operative Name	[illegible]	Site	Chatham Street	Job Number	001	Week Commencing	9/10/12

Operatives Signature	Day Worked	Date Worked	Job Category (Type)	Material / Product (Type)	Asbestos Type (Colour)	Shift Worked	Monitoring Carried Out	PPE / RPE Worn	Exposure Hours Total
	Monday								
	Tuesday	9/10	1	A	W	D	B/P	DR/O	9
	Wednesday	11/10	1	A	W	D	B/P	DR/O	9
	Thursday	12/10	1	A	W	D	B/P		9
	Friday								
	Saturday								
	Sunday								

KEY	Code	Job Category (Type)	Code	Material / Product (Type)	Code	Asbestos Type/Colour	Code	Shift Worked	Code	Monitoring Carried Out	Code	PPE/RPE Worn
	1	Removal (Cold cutting/Cropping)	A	Roof Coverings Corrugated	W	White	D	Day	P	Personal	HM	Half mask
	2	Removal (Using Hand Tools)	B	Roof Coverings Tile	BR	Brown	N	Night	B	Back Ground	DR	Disposable Mask
	3	Mechanical /Remote Removal	C	Rain Water Goods	BL	Blue			R	Reassurance	FF	Full Face
	4	Clearing Debris	D	Board					C	Clearance	O	Disposable overalls
	5	Fire Damaged	E	Floor Tile							G	Gloves
	6	Machine Operator	F	Adhesive							B	Boots/Non Lace
	7	On Hose	G	Paper							H	Hard Hat
	8	Lorry Driver/Transport	H	Toilet Seat/Cistern							HV	High Vis
	9		I	Cills							HA	Harness
			j	Texture coating								

Supervisor Signature:

Portsmouth Demolition & Salvage Ltd



Statement of Reoccupation/Demolition

Occupier Copy

Our Ref		Date	14/10/2.
Contractor Details	Portsmouth Demolition and Salvage Ltd 419 Victory Business Centre Somers Road North Portsmouth PO1 1PJ Phone: (02392) 439168		
Site Address	115 chatham Street		
Description of Works	Removing Asbestos Roof Sheet by hand Loading into A Lloyd Box to be taken from Site All Area As been cleaned and free of Asbestos		
Client Details			
Specific details of areas and items inspected following removal	1st floor Road to MAIN office block		
Interior surfaces within the work area are free from debris and settled dust	Yes ☑ No ☐	All ACM's within the scope of works have been removed and any known ACM's remaining are intact	Yes ☑ No ☐
Notes			

I declare that the area of works has been throughly cleaned and inspected to ensure that no visible traces of dust and debris remain and that the area is now suitable for reoccupation

Supervisor (Print Name)	Signature	Date
Andrew Heath		14/10/2.

The Hazardous Waste Regulations 2005: Consignment Note

62434

10/10/22

23

Environment Agency

arca

G. J. BOWMER WASTE DISPOSAL LIMITED

FAIRVIEW MAGPIE LANE WEST WOOD ESSEX CM13 3DT
TEL 01277 224828
FAX 01277 900682
EMAIL enquiries@bowmerwaste.co.uk
WEB www.bowmerwaste.co.uk

PRODUCER'S / HOLDER'S / CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

Consignment note code: PORTSM 62434

1. The waste will be taken to (name, address and postcode): Augean PLC Thornhaugh Landfill PE8 6NL

2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):

115 CHATHAM STREET, READING, RG1 7JX, UK,
Andy Heather 07392663182

3. The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PORTSMOUTH DEMOLITION & SALVAGE LTD, 419 VICTORTY HOUSE SOMERS ROAD, PORTSMOUTH, PO1 1PJ

4. Premises code (where applicable): PORTSM

If continuation sheet used, tick here ☐

PART B Description of the waste

1. Description of waste: ASBESTOS REMOVAL WORK

2. SIC for the process giving rise to the waste: 3900

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: Component	Concentration (% or mg/kg)	Physical form (gas, liquid, sludge, powder, solid or mixed)	Hazard code(s)	Containers (type, number or capacity)
WHITE ASBESTOS	170605	2000	CHRYSOTILE	L 10%	SOLID	HP5 HP7	40 YARD OPEN

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
170605	UN 2590	ASBESTOS CHRYSOTILE	9	PG III(E)	MANUAL ONLY

+ + A10 CP16X Apples + +

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here. ☐)

I certify that I have collected the consignment and that the details in A2, A4 and B3 are correct and I am aware of any special handling requirements.

Where the waste carried was part of a multiple collection the round number and collection number are:

1. Carrier's name: Gary Bowmer
On behalf of (name, address, postcode, telephone, e-mail, facsimile):

G. J. Bowmer (Waste Disposal) Ltd, Fairview, Magpie Lane, Essex, CM13 3DT

2. Carrier registration no. (or reason for exemption): CBDU98031

3. Vehicle registration no. (or mode of transport, if not road): GJBLTD

Signature:

Date: 18/10/22 Time: 08:25

PART D Consignor's certificate

I certify that the information in A, B and E has been completed and is 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 informed of any special handling requirements.

I 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: N Elliott
On behalf of (name, address, postcode, telephone, e-mail, facsimile):

PORTSMOUTH DEMOLITION & SALVAGE LTD, 419 VICTORTY HOUSE SOMERS ROAD, PORTSMOUTH, PO1 1PJ

Date: 18/10/22 Time: 08:25

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)	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D)
170605	10240	ACC	D05

I received the waste at the address given in A4 on: Date 18/10/2022 Time 12:52

2. Vehicle registration no. (or mode of transport, if not road): GJBLTD

3. Where waste is rejected please provide details:

4. I certify that waste permit/exempt waste operation number: RP3135PP

authorises the management of the waste described in B at the address given in A4.

Where the consignment forms part of a multiple collection, in addition to Part D, I hereby note the total number of consignments forming the collection as:

Name: Augean PLC
On behalf of (name, address, postcode, telephone, e-mail, facsimile): Thornhaugh Landfill, A47 Leicester Road, Thornhaugh, Nr Peterborough, PE8 6NL

Signature:

Date: 18/10/2022 Time: 12:52

White: Producer / Holder / Consignor Yellow: Carrier Green: Consignee Pink: Consignor

Augean

Thornhaugh Landfill Site
Leicester Road
Thornhaugh, Nr. Peterborough
Cambridgeshire PE8 6NL
tel. **01780 784900**

014225 Permit : EPR/RP3133PP/V006

ADVICE/WASTE TRANSFER NOTE TICKET NO:

CUSTOMER: GJB001 G J Bowmer Waste Disposal Ltd Fairview Magpie Lane Brentwood Essex CM13 3DT **ORDER NO:** N/A **SOURCE:** 146 Essex	**HAULIER:** GJB001 G J Bowmer Waste Disposal Ltd Fairview Magpie Lane Brentwood **VEH. TYPE:** RORO roll on roll off **VEH. REG NO:** GJ13LID **CARRIER NO:** CBDU98031 **TRANSFER NO:** PORTSM62434

WASTE TYPE:

LFF Regn No. : 01774-1133-41000

WASTE CATEGORY: L170605 - Construction Mat. containing a

Job No. : L120601302405

CONTAINER: **GRID REF:** A55 -

	WEIGHT KG'S	SEQ. NO	DATE	TIME
GROSS	26140	024382	18/10/2022	12:32
TARE	15900	MANUAL	18/10/2022	12:21
NET	10240			
			MEASURE 10.24 Tonne	

PRINT NAME:	SIGNATURE ON BEHALF OF CUSTOMER:	SIGNATURE FOR AUGEAN:	
THWEIGHBRIDGE		GMC	

Appendix F Waste transfer documentation

European Metal Recycling Ltd. – **Duty of Care**

Controlled Waste Transfer Note

Sirius House, Delta Crescent, Westbrook, Warrington WA5 7NS

Note No. 1222534

Registered Carrier and Waste Broker No. **CBDU188448**

Section A: Description of Waste

MATERIAL

- ☐ **Mixed metals from Construction and Demolition** (EWC 17 04 07)
- ☐ **Depolluted End of Life Vehicles** (EWC 16 01 06)
- ☐ **Ferrous Metal Filings and Turnings** (EWC 12 01 01)
- ☐ **Metals from household, commercial, industrial and institutional waste producers** (EWC 20 01 40)
- ☐ **Non-ferrous Metal Filings andTurnings** (EWC 12 01 03)
- ☐ **Cables from Construction and Demolition** (EWC 17 04 11)
- ☐ **Electrical and electronic equipment** (EWC 20 01 36)
- ☐ **Other** (please state)

EWC: .....

Container type:

- ☐ ~~Hooklift~~/RORO
- ☐ Stillages
- ☐ Skip
- ☐ Flatbed
- ☐ Sacks
- ☐ Drums
- ☐ Bulker
- ☐ Other:

Quantity of Containers: .....

EMR Job Number: .....

Section B: Transferor (Collection Point: Current holder of the waste) — ORIGIN →

CUSTOMER

Company Name: Portmouth

Address: Demo

Postcode: ☐☐☐☐☐☐☐☐

Business type: ☐ Producer ☐ Importer ☐ Transport ☐ Local Authority ☐ Other: .....

Permit or Exemption Holder?

☐ Permit ☐ Exemption Permit or Exemption No. .....

Exempt from requirement to hold a permit or exemption? YES ☐ NO ☐

Registered carrier? YES ☐ NO ☐

Carrier Registration No. ABou

Standard Industry Code (SIC 2007): ☐☐☐☐☐

Section C: Transferee (Carrier: Person / Company collecting the waste) — TRANSIT ↓

HAULIER

Company Name: EMR

Address: Swindon

Postcode: ☐☐☐☐☐☐☐☐

Business type: ☐ Transport ☐ Other: .....

Pick–up time: H H M M ☐☐☐☐

Permit or Exemption Holder?

☐ Permit ☐ Exemption Permit or Exemption No. .....

Exempt from requirement to hold a permit or exemption? YES ☐ NO ☐

Registered carrier? YES ☐ NO ☐

Carrier Registration No. (If not EMR) ABou

Vehicle Registration No. MJ19 MSR

Driver's Name Rod

Driver's Signature .....

Section D: Transferee (Delivery Point / EMR Weighbridge)

DISPOSAL

Site/Depot Name: .....

Address: .....

..... Postcode: ☐☐☐☐☐☐☐☐

Date(s) of Transfer:

0 2 1 1 2 0 2 2 to ☐☐☐☐☐☐☐☐ or SAME DAY ☐

D D M M Y Y Y Y D D M M Y Y Y Y

Environment Agency Permit Numbers

☐	Ashford	404623	☐	Glasgow	WML/L/1018833	☐	London (Erith)	83229	☐	Rochester	10099	☐	Other	
☐	Bedford	70003	☐	Gloucester	104983	☐	London (Mitcham)	83476	☐	Salford	50065			
☐	Belshill	WML/W/00193	☐	Great Yarmouth	70493	☐	London (Wandsworth)	83490	☐	Sharpness	101778			
☐	Birmingham	CB3402ML	☐	Hartlepool	MP3090ZL	☐	London Willesden)	80371	☐	Sheffield	65263			
☐	Blackburn	54065	☐	Hyde	50385	☐	Manchester (Oldham Rd.)	50355	☐	Sheffield (Halfway)	102236			
☐	Blaydon	67453, 67490	☐	IES	GP3739VR	☐	Marske	60125, 66179	☐	Shoreham	19694			
☐	Boreham	70363	☐	Kilmarnock	WML/W/00226	☐	Middlesborough	66030, VP3196ZS	☐	Smethwick	42634, 40066			
☐	Bradford	60643	☐	Kingsbury	42614	☐	Neasden	HB3602LF	☐	Southampton	19896			
☐	Burnopfield	67227	☐	Leeds	RP3594ZS	☐	Newhaven	19634	☐	Sunderland	67599			
☐	Cardiff	30322, 101251	☐	Leeds (Non-ferrous)	WEX250055	☐	Newmarket	WEX250055	☐	~~Swindon~~	86340			
☐	Chard	27057	☐	Lenwade	71322	☐	Newmarket (Non-ferrous)	Exempt (TE5587UK)	☐	Tilbury Dock	71484			
☐	Coventry	48147	☐	Lincoln	73200	☐	Northampton	70632	☐	Tyne Dock	GB3008XJ			
☐	Darlaston	40041, 40099	☐	Liverpool (Alexandra Dock)	50047	☐	Norwich City (Non-ferrous)	71068, 71216	☐	Worksop	102974			
☐	Darlington	101765	☐	Liverpool (Bankhall Lane)	53605	☐	Nottingham	100974, 102999						
☐	Dundee	WML/E/00242	☐	Liverpool (Gladstone)	JB3501MH	☐	Oldbury	TP3938ZN						
☐	East Tilbury	60364	☐	London (Brentford)	80370	☐	Plymouth	20080						
☐	Edmonton	EP3091NT	☐	London (Brentford - Non-ferrous)	WEX250055	☐	Portsmouth	19963, 19965						
☐	Eccles	50335	☐	London (Canning Town)	80125	☐	Rochdale	80563						

Section E: Declaration & Signatures

I 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

TRANSFEROR (Customer)

Signature .....

PRINT NAME: .....

Representing (company): .....

TRANSFEREE (Disposal – Delivery Point / EMR Weighbridge)

Signature .....

PRINT NAME: .....

Representing (company): .....

© **European Metal Recycling Ltd.** // Green – Transferor • Pink – Transferee (Carrier) • Yellow – Transferee (Delivery Point)

Attention: PORTSMOUTH DEMOLITION & SALVAGE LTD

PORTSMOUTH DEMOLITION & SALVAGE LTD
215 VICTORY BUSINESS CENTRE
SOMERS ROAD NORTH
PORTSMOUTH
HANTS
PO1 1PJ

Detailed below are scrap collections from your site. We will be pleased to receive your invoice accordingly.

All Tickets for Account No: LPOR033
Reporting date range: 24-Oct-2022 - 06-Nov-2022
Total loads reported: 7.0

Grade	Ticket Date	Depot	Ticket No	Delivery Note	Vehicle No	Loads	Quantity	Rate	Commodity Value	Charge Back	Payable Value
Material Arising from: PORTSMOUTH DEMOLITION & SALVAGE LTD,215 VICTORY BUSINESS CENTRE,PO1 1PJ											
OSHE (Shearing)	01/11/2022	Portsmouth Frag	DPORFRG 7495123		HV66OTP	1.0	1.480 MT	215.00/MT	318.20	0.00	318.20
	01/11/2022	Portsmouth Frag	DPORFRG 7495141		HV66OTP	1.0	1.680 MT	215.00/MT	361.20	0.00	361.20
	Subtotal					**2.0**	**3.160 MT**	**215.00/MT**	**679.40**	**0.00**	**679.40**
Material Arising from: Portsmouth Demo, 115 Chatham Street, Reading RG1 7JX,Portsmouth Demo,RG1 7JX											
OA (OA)	31/10/2022	Swindon Fer	DSWNFER 6812414	1222520	MJ19NSE	1.0	10.780 MT	255.00/MT	2,748.90	-300.00	2,448.90
	03/11/2022	Swindon Fer	DSWNFER 6812772	1222531	MJ19NSE	1.0	11.540 MT	255.00/MT	2,942.70	-300.00	2,642.70
	Subtotal					**2.0**	**22.320 MT**	**228.12/MT**	**5,691.60**	**-600.00**	**5,091.60**
OSHE (Shearing)	31/10/2022	Brentford Fer	DBREFER 6601709	1207215	PO67UWN	1.0	5.690 MT	215.00/MT	1,223.35	-300.00	923.35
	03/11/2022	Brentford Fer	DBREFER 6601967	1089595	PN20ATK	1.0	6.520 MT	215.00/MT	1,401.80	-300.00	1,101.80
	Subtotal					**2.0**	**12.210 MT**	**165.86/MT**	**2,625.15**	**-600.00**	**2,025.15**
Material Arising from: PDS - Downview Prim School,Downview Primary School, Wroxham,PO228ER											
OSHE (Shearing)	25/10/2022	Portsmouth Frag	DPORFRG 7494777	1244532	DK19WCJ	1.0	0.600 MT	210.00/MT	126.00	-160.00	-34.00
	Subtotal					**1.0**	**0.600 MT**	**-56.67/MT**	**126.00**	**-160.00**	**-34.00**
Grand Total						**7.0**	**38.290 MT**	**202.72/MT**	**9,122.15**	**-1,360.00**	**7,762.15**

Terry Porter Commercial Manager

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F: +44 (0) 23 8033 5884
E: Terry.Porter@emrgroup.com

Attention: PORTSMOUTH DEMOLITION & SALVAGE LTD

PORTSMOUTH DEMOLITION & SALVAGE LTD
215 VICTORY BUSINESS CENTRE
SOMERS ROAD NORTH
PORTSMOUTH
HANTS
PO1 1PJ

Detailed below are scrap collections from your site. We will be pleased to receive your invoice accordingly.

All Tickets for Account No: LPOR033
Reporting date range: 07-Nov-2022 - 13-Nov-2022
Total loads reported: 3.0

Grade	Ticket Date	Depot	Ticket No	Delivery Note	Vehicle No	Loads	Quantity		Rate	Commodity Value	Charge Back	Payable Value
Material Arising from: PORTSMOUTH DEMOLITION & SALVAGE LTD,215 VICTORY BUSINESS CENTRE,PO1 1PJ												
OSHE (Shearing)	08/11/2022	Portsmouth Frag	DPORFRG 7495438		HV66OTP	1.0	1.560	MT	215.00/MT	335.40	0.00	335.40
	Subtotal					**1.0**	**1.560**	**MT**	**215.00/MT**	**335.40**	**0.00**	**335.40**
Material Arising from: Portsmouth Demo - 115 Chatham Street,Portsmouth Demolition,RG1 7JX												
OA (OA)	07/11/2022	Swindon Fer	DSWNFER 6813003	1222534	MJ19NSE	1.0	9.800	MT	255.00/MT	2,499.00	-300.00	2,199.00
	Subtotal					**1.0**	**9.800**	**MT**	**224.39/MT**	**2,499.00**	**-300.00**	**2,199.00**
Material Arising from: Portsmouth demo Shoreham Technical Centre, Shoreham-by-sea , BN43 5FH,Portsmouth demo,BN43 5FH												
OSHE (Shearing)	10/11/2022	Shoreham Fer	DSHOFER 7664379		DG67ECV	1.0	3.640	MT	215.00/MT	782.60	-150.00	632.60
	Subtotal					**1.0**	**3.640**	**MT**	**173.79/MT**	**782.60**	**-150.00**	**632.60**
Grand Total						**3.0**	**15.000**	**MT**	**211.13/MT**	**3,617.00**	**-450.00**	**3,167.00**

Terry Porter Commercial Manager

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Attention: PORTSMOUTH DEMOLITION & SALVAGE LTD

PORTSMOUTH DEMOLITION & SALVAGE LTD
215 VICTORY BUSINESS CENTRE
SOMERS ROAD NORTH
PORTSMOUTH
HANTS
PO1 1PJ

Detailed below are scrap collections from your site. We will be pleased to receive your invoice accordingly.

All Tickets for Account No: LPOR033
Reporting date range: 13-Mar-2023 - 19-Mar-2023
Total loads reported: 7.0

Grade	Ticket Date	Depot	Ticket No	Delivery Note	Vehicle No	Loads	Quantity	Rate	Commodity Value	Charge Back	Payable Value
Material Arising from: Portsmouth Demo - 115 Chatham Street,Portsmouth Demolition,RG1 7JX											
OSHE (Shearing)	17/03/2023	Swindon Fer	DSWNFER 6823237	1223860	MV19TCO	1.0	7.220 MT	285.00/MT	2,057.70	-315.00	1,742.70
Subtotal						**1.0**	**7.220 MT**	**241.37/MT**	**2,057.70**	**-315.00**	**1,742.70**
OSPG (O/S plate and girder)	16/03/2023	Swindon Fer	DSWNFER 6823131	1222630	MA17OPX	1.0	12.720 MT	310.00/MT	3,943.20	-315.00	3,628.20
Subtotal						**1.0**	**12.720 MT**	**285.24/MT**	**3,943.20**	**-315.00**	**3,628.20**
Material Arising from: Portsmouth demo Airbus Triton Project, Portsmouth Anchorage Road Portsmouth,Portsmouth demo,PO3 5PU											
DFF (Demo Frag Feed)	15/03/2023	Portsmouth Frag	DPORFRG 8400866	1307946	MJ17WJN	1.0	4.780 MT	250.00/MT	1,195.00	-100.00	1,095.00
Subtotal						**1.0**	**4.780 MT**	**229.08/MT**	**1,195.00**	**-100.00**	**1,095.00**
OSHE (Shearing)	17/03/2023	Portsmouth Frag	DPORFRG 8401028	1308505	MJ17WJN	1.0	10.660 MT	285.00/MT	3,038.10	-100.00	2,938.10
Subtotal						**1.0**	**10.660 MT**	**275.62/MT**	**3,038.10**	**-100.00**	**2,938.10**
Material Arising from: Portsmouth Demo Eastpoint Centre, Burgoyne Road, Thornhill, Southampton,,Portsmouth Demo Eastpoint Centre,SO19 6PB											
OSHE (Shearing)	17/03/2023	Southampton Fer	DSOTFER 7276818	1245661	DG67ECN	1.0	6.080 MT	285.00/MT	1,732.80	-150.00	1,582.80
Subtotal						**1.0**	**6.080 MT**	**260.33/MT**	**1,732.80**	**-150.00**	**1,582.80**
RBAR (Rebar)	14/03/2023	Southampton Fer	DSOTFER 7276394	1245605	PO67UWZ	1.0	9.060 MT	285.00/MT	2,582.10	-150.00	2,432.10
	15/03/2023	Southampton Fer	DSOTFER 7276491		PO67UWZ	1.0	9.860 MT	285.00/MT	2,810.10	-150.00	2,660.10
Subtotal						**2.0**	**18.920 MT**	**269.14/MT**	**5,392.20**	**-300.00**	**5,092.20**
Grand Total						**7.0**	**60.380 MT**	**266.30/MT**	**17,359.00**	**-1,280.00**	**16,079.00**

Terry Porter **Commercial Manager**

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F: +44 (0) 23 8033 5884
E: Terry.Porter@emrgroup.com

Attention: PORTSMOUTH DEMOLITION & SALVAGE LTD

PORTSMOUTH DEMOLITION & SALVAGE LTD
215 VICTORY BUSINESS CENTRE
SOMERS ROAD NORTH
PORTSMOUTH
HANTS
PO1 1PJ

Detailed below are scrap collections from your site. We will be pleased to receive your invoice accordingly.

All Tickets for Account No: LPOR033
Reporting date range: 01-Oct-2022 - 23-Oct-2022
Total loads reported: 2.0

Grade	Ticket Date	Depot	Ticket No	Delivery Note	Vehicle No	Loads	Quantity	Rate	Commodity Value	Charge Back	Payable Value
Material Arising from: ports demo - epsom & ewell school - charlie,epsom & ewell school Ruxley Lane,KT199JW											
RBAR (Rebar)	17/10/2022	Mitcham Fer	DMITFER 7552711	1158813	MK17NXP	1.0	5.590 MT	230.00/MT	1,285.70	-190.00	1,095.70
	Subtotal					**1.0**	**5.590 MT**	**196.01/MT**	**1,285.70**	**-190.00**	**1,095.70**
Material Arising from: Portsmouth Demo, 115 Chatham Street, Reading RG1 7JX,Portsmouth Demo,RG1 7JX											
OSHE (Shearing)	17/10/2022	Swindon Fer	DSWNFER 6811222	1059685	MJ19NSE	1.0	5.180 MT	230.00/MT	1,191.40	-300.00	891.40
	Subtotal					**1.0**	**5.180 MT**	**172.08/MT**	**1,191.40**	**-300.00**	**891.40**
Grand Total						**2.0**	**10.770 MT**	**184.50/MT**	**2,477.10**	**-490.00**	**1,987.10**

Terry Porter **Commercial Manager**

T: +442380205306
M: +447970082838
F: +44 (0) 23 8033 5884
E: Terry.Porter@emrgroup.com

Waste Transfer Note

10005.

Type: Exchange **Order No: 1193663** **Ticket No: 1941820**

RESTON WASTE MANAGEMENT LTD

6 Weir Road, Wimbledon, SW19 8UG

Cash Sale: No	Date: 03/10/2022	Product: R40	Customer Order No: 10005
Time On Site: 2022-10-03T09:14:33	Time Start:	Time Stop:	Time Complete: 2022-10-03T09:17:41
	Waiting Time Charge: 0	Waste Type Code/Confirmed:	170904/MIXED CONSTRUCTION & DEMOLITION
Parking Ticket: No	Parking Ticket Value: 0	Cancelled: No	Cancelled Reason:
SIC Code:	EWC Code: 170904	Disposal Site: Waste Transfer & Recovery Facility Reston Waste Management Limitied 6 Weir Road Wimbledon London sw19 8ug	EPR/JB3735RX

Reston Waste Management Ltd. Company Registration: 4331845 VAT Registration No: 791 8013 20 SIC Code 38.11

Environmental Permit number: EPR/JB3735RX Waste Carriers/ Brokers Registration: CBU202945 Issued by the Environmental Agency

'I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) Regulations 2011'

Account Address:

PETER NORRIS HAULAGE LTD
STATION APPROACH
ST MARY CRAY

BR5 2NB

Delivery Address:

170624
PORTSMOUTH DEMOLITION AND SALVAGE LTD
EPSOM & EWELL HIGH SCHOOL
RUXLEY LANE

KT19 9JW

Vehicle: LT19DZS

Driver: Mario Dionisio

Customer: Charlie

Driver: Mario Dionisio





JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

LCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458

is Transfer Note forms part of the Duty of Care laid down by the Environment otection Act 1991. Please ensure the information given is accurate.

C 49[illegible]45

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 16/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON-HAZ

WEIGHT OR VOLUME — TONNES — Kg

Gross Weight of Vehicle at Weighbridge

Tare Weight of Vehicle

Net Weight

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		- -

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 223829

TRAVELLING TIME

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

TOTAL HOURS

QUANTITY IN METRES: 15M

HAULIER WASTE CARRIER NO.

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

e have applied the Waste Management hierarchy as required by regulation 12 of the Waste ngland & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

ne Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 498346

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 16/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON-HAZ

WEIGHT OR VOLUME — TONNES — Kg

Gross Weight of Vehicle at Weighbridge

Tare Weight of Vehicle

Net Weight

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		- -

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 223829

TRAVELLING TIME

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

TOTAL HOURS

QUANTITY IN METRES: 15M

HAULIER WASTE CARRIER NO.

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

ILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458

his Transfer Note forms part of the Duty of Care laid down by the Environment otection Act 1991. Please ensure the information given is accurate.

recycle

C 49[illegible]343

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 16/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON - HAZ

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04	
CONCRETE		17 - 01 - 01	
BRICK		17 - 01 - 02	
OTHER		- -	

For Other Write the six digit waste classification code
See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME:

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15M

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

e have applied the Waste Management hierarchy as required by regulation 12 of the Waste ngland & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

e Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 498344

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 16/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON - HAZ

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04	
CONCRETE		17 - 01 - 01	
BRICK		17 - 01 - 02	
OTHER		- -	

For Other Write the six digit waste classification code
See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME:

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15M

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

C 521263

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 16-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
non haz Soil / Stones		Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol		Tare Weight of Vehicle		
SOIL + STONES	17 - 05 - 04	Net Weight		
CONCRETE	17 - 01 - 01			
BRICK	17 - 01 - 02			
OTHER	- -			

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 521264

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 16-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St
QW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
non haz Soil / Stones		Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol		Tare Weight of Vehicle		
SOIL + STONES	✓ 17 - 05 - 04	Net Weight		
CONCRETE	17 - 01 - 01			
BRICK	17 - 01 - 02			
OTHER	- -			

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

C 521261

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: ROG

DATE: 16-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

DW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: Non haz Soil / Stones

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtney

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 521262

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: ROG

DATE: 16-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

DW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: Non haz Soil / Stones

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtney

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

CHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981.3531 Fax: (0118) 981 3458

Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

C 511650

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 11-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil Stones		Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol				
SOIL + STONES	17-05-04	Tare Weight of Vehicle		
CONCRETE	17-01-01			
BRICK	17-01-02	Net Weight		
OTHER				

For Other Write the six digit waste classification code inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE

TIME LEFT SITE

TRAVELLING TIME

TOTAL HOURS

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.

Registered Waste Carrier ☑ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

C 511649

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 11-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St
DW223682 9

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil Stones		Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol				
SOIL + STONES	17-05-04	Tare Weight of Vehicle		
CONCRETE	17-01-01			
BRICK	17-01-02	Net Weight		
OTHER				

For Other Write the six digit waste classification code See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE

TIME LEFT SITE

TRAVELLING TIME

TOTAL HOURS

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.

Registered Waste Carrier ☑ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

JOHN STACEY COMPANY

OH STACEY & SONS LTD

IPPER & PLANT HIRE - DEMOLITION
ECYCLED CONSTRUCTION MATERIALS

LCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
lephone: (0118) 981 3531 Fax: (0118) 981 3458

s Transfer Note forms part of the Duty of Care laid down by the Environment tection Act 1991. Please ensure the information given is accurate.

C 498 30

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

LACE OF LOADING: READING

DATE: 11/8/23

EHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

USTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial ssification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

is aggregate was produced under a quality scheme eeting the WRAP Aggregate Quality Protocol

IL + STONES	✓	17-05-04
NCRETE		17-01-01
ICK		17-01-02
HER		

Other Write the six digit waste classification code e inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

YWORK / WAITING TIME

ME ARRIVED ON SITE: DW

ME LEFT SITE: 2236829

AVELLING TIME

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

TAL HOURS ✓

ANTITY IN METRES 15m

ULIER WASTE RRIER NO.

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

DDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

have applied the Waste Management hierarchy as required by regulation 12 of the Waste land & Wales) regulations 2011.

IGNED BY TIP OPERATOR

SIGNED BY DRIVER

Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 498329

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 11/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17-05-04
CONCRETE		17-01-01
BRICK		17-01-02
OTHER		

For Other Write the six digit waste classification code See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

TOTAL HOURS ✓

QUANTITY IN METRES 15m

HAULIER WASTE CARRIER NO.

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS
SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458
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C 498328

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 11/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 41202

DESCRIPTION OF MATERIAL: NON-HAZ

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17-05-04
CONCRETE		17-01-01
BRICK		17-01-02
OTHER		

For Other Write the six digit waste classification code See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME:

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE:

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR:

SIGNED BY DRIVER:

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

---

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS
SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458
This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

C 498327

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 10/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 41202

DESCRIPTION OF MATERIAL: NON-HAZ

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17-05-04
CONCRETE		17-01-01
BRICK		17-01-02
OTHER		

For Other Write the six digit waste classification code See inside front cover for relevant code

WEIGHT OR VOLUME	TONNES	Kg
Gross Weight of Vehicle at Weighbridge		
Tare Weight of Vehicle		
Net Weight		

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME:

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE:

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR:

SIGNED BY DRIVER:

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

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Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

c 498325

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 10/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON - HAZ

WEIGHT OR VOLUME | TONNES | Kg

Gross Weight of Vehicle at Weighbridge

Tare Weight of Vehicle

Net Weight

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

TOTAL HOURS

QUANTITY IN METRES: 15m

SIGNED BY PRODUCER/SITE

HAULIER WASTE CARRIER NO.

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED | YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

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Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

c 498326

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 10/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL: NON - HAZ

WEIGHT OR VOLUME | TONNES | Kg

Gross Weight of Vehicle at Weighbridge

Tare Weight of Vehicle

Net Weight

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME

Registered Waste Carrier: ✓ Registration No.: CBDU92361 Issued by: Environment Agency

TOTAL HOURS

QUANTITY IN METRES: 15m

SIGNED BY PRODUCER/SITE

HAULIER WASTE CARRIER NO.

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED | YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

ILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 511646

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 10-8-23

VEHICLE REG. No.: 518 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Gracelands

SITE ADDRESS: 115, Chatham St (DW2236829)

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17-05-04
CONCRETE		17-01-01
BRICK		17-01-02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Detorio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

---

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 511645

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 10-8-23

VEHICLE REG. No.: 518 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Gracelands

SITE ADDRESS: 115, Chatham St (DW2236829)

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17-05-04
CONCRETE		17-01-01
BRICK		17-01-02
OTHER		

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Detorio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

LCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 498347

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

LACE OF LOADING: READING

DATE: 16/8/23

EHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

USTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial assification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ		Gross Weight of Vehicle at Weighbridge		
his aggregate was produced under a quality scheme eeting the WRAP Aggregate Quality Protocol		Tare Weight of Vehicle		
OIL + STONES	✓ 17 - 05 - 04	Net Weight .		
ONCRETE	17 - 01 - 01			
RICK	17 - 01 - 02			
THER	- -			

r Other Write the six digit waste classification code e inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

AYWORK / WAITING TIME

VIE ARRIVED ON SITE: DW

VIE LEFT SITE: 2236829

AVELLING TIME

OTAL HOURS

JANTITY IN METRES: 15m

AULIER WASTE ARRIER NO.

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco DeGozio

DDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

have applied the Waste Management hierarchy as equired by regulation 12 of the Waste gland & Wales) regulations 2011.

IGNED BY TIP OPERATOR

SIGNED BY DRIVER

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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C 498348

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 17/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL		WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ		Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol		Tare Weight of Vehicle		
SOIL + STONES	✓ 17 - 05 - 04	Net Weight		
CONCRETE	17 - 01 - 01			
BRICK	17 - 01 - 02			
OTHER	- -			

For Other Write the six digit waste classification code See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME

TOTAL HOURS

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco DeGozio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 498349

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING

DATE: 17/8/23

VEHICLE REG. No.: V100 JSS

FLEET No: 363

NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 41202

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ	Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol	Tare Weight of Vehicle		
SOIL + STONES 17-05-04	Net Weight		
CONCRETE 17-01-01			
BRICK 17-01-02			
OTHER			

For Other Write the six digit waste classification code see inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	DW 223 6829
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15M
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: + marco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 521265

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: RG

DATE: 16-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115 Chatham St DW2236829

Standard Industrial Classification (SIC) Code: 41202

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
non haz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol	Tare Weight of Vehicle		
SOIL + STONES 17-05-04	Net Weight		
CONCRETE 17-01-01			
BRICK 17-01-02			
OTHER			

For Other Write the six digit waste classification code see inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Marco Defazio

ADDRESS OF TIP/TRANSFER POINT: FCC Sutton Courtenay

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

JOHN CEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

LCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458
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otection Act 1991. Please ensure the information given is accurate.

C 521266

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 17-8-23

VEHICLE REG. No.: SI8 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

DW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Nonhaz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

OIL + STONES	17 - 05 - 04
CONCRETE	17 - 01 - 01
RICK	17 - 01 - 02
THER	- -

r Other Write the six digit waste classification code
e inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

AYWORK / WAITING TIME	
ME ARRIVED ON SITE	
ME LEFT SITE	
AVELLING TIME	
TAL HOURS	
JANTITY IN METRES	15m
ULIER WASTE RRIER NO.	

Registered Waste Carrier ☑ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

DDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

have applied the Waste Management hierarchy as required by regulation 12 of the Waste gland & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

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C 521267

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

recycle VAT Reg. No. 198 9545 85

PLACE OF LOADING: RDG

DATE: 17-8-23

VEHICLE REG. No.: SI8 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Nonhaz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	17 - 05 - 04
CONCRETE	17 - 01 - 01
BRICK	17 - 01 - 02
OTHER	- -

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ☑ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

ILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
elephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

c 521251

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: RG6 | DATE: 14-8-23

VEHICLE REG. No.: SJ8 JSS | FLEET No: 381 | NAME OF PERSON IN CHARGE OF VEHICLE: Richa

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St

DW2236829

Standard Industrial Classification (SIC) Code: 6 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil/Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04	
CONCRETE		17 - 01 - 01	
BRICK		17 - 01 - 02	
OTHER		- -	

For Other Write the six digit waste classification code See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME: Wasted Journey

TIME ARRIVED ON SITE: No one on Site

TIME LEFT SITE:

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier ☑ | Registration No. CBDU92361 | Issued by: Environment Agency

SIGNED BY PRODUCER/SITE:

PRINT NAME:

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.:

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR:

SIGNED BY DRIVER:

JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

ILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

c 498332

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: READING | DATE: 14/8/23

VEHICLE REG. No.: V100 JSS | FLEET No: 363 | NAME OF PERSON IN CHARGE OF VEHICLE: MICK

CUSTOMER: GRACELANDS

SITE ADDRESS: 115 CHATHAM ST READING

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
NON-HAZ	Gross Weight of Vehicle at Weighbridge	WASTED JOURNEY	
	Tare Weight of Vehicle	SITE LOCKED	
	Net Weight	NO ONE ON SITE	

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04	
CONCRETE		17 - 01 - 01	
BRICK		17 - 01 - 02	
OTHER		- -	

For Other Write the six digit waste classification code See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME:

TIME ARRIVED ON SITE: DW

TIME LEFT SITE: 2236829

TRAVELLING TIME:

TOTAL HOURS:

QUANTITY IN METRES: 15m

HAULIER WASTE CARRIER NO.:

Registered Waste Carrier ☑ | Registration No. CBDU92361 | Issued by: Environment Agency

SIGNED BY PRODUCER/SITE:

PRINT NAME:

ADDRESS OF TIP/TRANSFER POINT: FCC SUTTON COURTENAY

TRANSFER OF WASTE

WASTE PRE-TREATED YES ☐ NO ☐

SITE LICENCE No.:

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR:

SIGNED BY DRIVER:

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

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recycle

C 511648

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: ROG

DATE: 11-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St
DW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil / Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		- -

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

A JOHN STACEY COMPANY

JOHN STACEY & SONS LTD

TIPPER & PLANT HIRE - DEMOLITION
RECYCLED CONSTRUCTION MATERIALS

SILCHESTER ROAD, TADLEY, BASINGSTOKE, HANTS. RG26 3PZ
Telephone: (0118) 981 3531 Fax: (0118) 981 3458

This Transfer Note forms part of the Duty of Care laid down by the Environment Protection Act 1991. Please ensure the information given is accurate.

recycle

C 511647

CONVEYANCE NOTE C (Weight and Vol.)
CONTROLLED WASTE TRANSFER NOTE

ACCOUNTS COPY

VAT Reg. No. 198 9545 85

PLACE OF LOADING: ROG

DATE: 10-8-23

VEHICLE REG. No.: S18 JSS

FLEET No: 381

NAME OF PERSON IN CHARGE OF VEHICLE: Richie

CUSTOMER: Graceland

SITE ADDRESS: 115, Chatham St
DW2236829

Standard Industrial Classification (SIC) Code: 4 1 2 0 2

DESCRIPTION OF MATERIAL	WEIGHT OR VOLUME	TONNES	Kg
Non haz Soil / Stones	Gross Weight of Vehicle at Weighbridge		
	Tare Weight of Vehicle		
	Net Weight		

This aggregate was produced under a quality scheme meeting the WRAP Aggregate Quality Protocol

SOIL + STONES	✓	17 - 05 - 04
CONCRETE		17 - 01 - 01
BRICK		17 - 01 - 02
OTHER		- -

For Other Write the six digit waste classification code
See inside front cover for relevant code

Certified that the above particulars are true and relate to the material being conveyed in the vehicle described, which material is being so conveyed in pursuance of:-
(a) A sale or an agreement for the sale thereof made by weight.
(b) An agreement for the carriage thereof made by weight.
Delete (a) or (b) as applicable.
On behalf of the seller.

DAYWORK / WAITING TIME	
TIME ARRIVED ON SITE	
TIME LEFT SITE	
TRAVELLING TIME	
TOTAL HOURS	
QUANTITY IN METRES	15m
HAULIER WASTE CARRIER NO.	

Registered Waste Carrier ✓ Registration No. CBDU92361 Issued by: Environment Agency

SIGNED BY PRODUCER/SITE

PRINT NAME: Franco Defazio

ADDRESS OF TIP/TRANSFER POINT: Fcc Sutton Courtenay

TRANSFER OF WASTE
WASTE PRE-TREATED YES ☐ NO ☐
SITE LICENCE No.

We have applied the Waste Management hierarchy as required by regulation 12 of the Waste (England & Wales) regulations 2011.

SIGNED BY TIP OPERATOR

SIGNED BY DRIVER

The Company will not be responsible in any circumstances for damage to private property by our vehicles when delivering material off the Public Road to

Appendix G Haz Waste Online™ Assessment

Waste Classification Report

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

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

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

72SBY-H1QYR-P7442

Job name

23-08730.1

Description/Comments

i2 lab cert 23-08730

Project

19411

Site

Chatham Street, Reading

Classified by

Name:
Emma Judd
Date:
28 Jul 2023 14:59 GMT
Telephone:
07843 090903

Company:
Hydrock Consultants Ltd
5 - 7 Tanner Street
London
SE1 3LE

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	08 Dec 2022

Next 3 year Refresher due by Dec 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

Chatham Street, Reading **Post Code** N/A

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Ground investigation works

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

Ground investigation works

Description of the waste

Ground investigation works

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS101-0.00 0 0.35-30/06/2023	0.00 0 0.35	Non Hazardous		3
2	WS101-1.50 - 2.00-30/06/2023	1.50 - 2.00	Non Hazardous		6
3	WS102-0.80 - 1.00-30/06/2023	0.80 - 1.00	Non Hazardous		9
4	WS102-1.70 - 2.00-30/06/2023	1.70 - 2.00	Non Hazardous		12
5	WS103-1.65 - 2.00-30/06/2023	1.65 - 2.00	Non Hazardous		15
6	WS104-0.45 - 0.70-30/06/2023	0.45 - 0.70	Non Hazardous		18
7	WS104-1.50 - 2.00-30/06/2023	1.50 - 2.00	Non Hazardous		21
8	WS104-2.50 - 3.00-30/06/2023	2.50 - 3.00	Non Hazardous		24
9	WS105-0.50 - 0.95-30/06/2023	0.50 - 0.95	Non Hazardous		25
10	WS105-1.50 - 2.00-30/06/2023	1.50 - 2.00	Non Hazardous		28
11	WS105-2.60 - 2.90-30/06/2023	2.60 - 2.90	Non Hazardous		31
12	WS111-0.65 - 1.00-30/06/2023	0.65 - 1.00	Non Hazardous		32
13	WS111-1.50 - 2.00-30/06/2023	1.50 - 2.00	Non Hazardous		35
14	WS112-0.30-30/06/2023	0.30	Unknown. Chemistry data not provided.		38
15	WS112-0.00 - 0.30-30/06/2023	0.00 - 0.30	Non Hazardous		39
16	WS112-1.00 - 1.70-30/06/2023	1.00 - 1.70	Non Hazardous		42
17	WS112-2.50 - 3.00-30/06/2023	2.50 - 3.00	Non Hazardous		45

Related documents

#	Name	Description
1	23-08730.1.hwol	DETS South .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Emma Judd

Created date: 28 Jul 2023 14:59 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	46
Appendix B: Rationale for selection of metal species	48
Appendix C: Version	48

Classification of sample: WS101-0.00 0 0.35-30/06/2023

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

Sample details

Sample name:
WS101-0.00 0 0.35-30/06/2023
Sample Depth:
0.00 0 0.35 m
Moisture content:
2.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.3% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.37	mg/kg		0.37	mg/kg	0.000037 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		0.82	mg/kg		0.82	mg/kg	0.000082 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6	mg/kg	1.32	7.922	mg/kg	0.000792 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.13	mg/kg		2.13	mg/kg	0.000213 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.86	mg/kg		1.86	mg/kg	0.000186 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.33	mg/kg		2.33	mg/kg	0.000233 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.89	mg/kg		0.89	mg/kg	0.000089 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.63	mg/kg		0.63	mg/kg	0.000063 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9	mg/kg	1.462	13.154	mg/kg	0.00132 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		2.22	mg/kg		2.22	mg/kg	0.000222 %		
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.24	mg/kg		0.24	mg/kg	0.000024 %		
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
21		fluoranthene		205-912-4	206-44-0		5.6	mg/kg		5.6	mg/kg	0.00056 %		
22		fluorene		201-695-5	86-73-7		0.33	mg/kg		0.33	mg/kg	0.000033 %		
23		indeno[123-cd]pyrene		205-893-2	193-39-5		1.16	mg/kg		1.16	mg/kg	0.000116 %		
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	18	mg/kg		18	mg/kg	0.0018 %		
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5	mg/kg	1.579	7.897	mg/kg	0.00079 %		
28		pH			PH		11	pH		11	pH	11pH		
29		phenanthrene		201-581-5	85-01-8		3.3	mg/kg		3.3	mg/kg	0.00033 %		
30		pyrene		204-927-3	129-00-0		4.05	mg/kg		4.05	mg/kg	0.000405 %		
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		222	mg/kg		222	mg/kg	0.0222 %		
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		31	mg/kg	1.245	38.586	mg/kg	0.00386 %		
36		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		monohydric phenols			P1186		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
38		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		13	mg/kg	1.785	23.207	mg/kg	0.00232 %		
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
											Total:	0.0384 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0222%)

Classification of sample: WS101-1.50 - 2.00-30/06/2023

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

Sample details

Sample name:
WS101-1.50 - 2.00-30/06/2023
Sample Depth:
1.50 - 2.00 m
Moisture content:
10.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 10.3% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.29	mg/kg		0.29	mg/kg	0.000029 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.54	mg/kg		0.54	mg/kg	0.000054 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17	mg/kg	1.32	22.446	mg/kg	0.00224 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.2	mg/kg		2.2	mg/kg	0.00022 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.85	mg/kg		1.85	mg/kg	0.000185 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.34	mg/kg		2.34	mg/kg	0.000234 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		1	mg/kg		1	mg/kg	0.0001 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.58	mg/kg		0.58	mg/kg	0.000058 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5	mg/kg	2.775	1.388	mg/kg	0.000139 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5	mg/kg	1.285	0.643	mg/kg	0.00005 %		
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.97	mg/kg		1.97	mg/kg	0.000197 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				4.47	mg/kg		4.47	mg/kg	0.000447 %		
			205-912-4	206-44-0									
22		fluorene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	329	mg/kg		329	mg/kg	0.0329 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				10	mg/kg	1.579	15.795	mg/kg	0.00158 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
29		phenanthrene				2.32	mg/kg		2.32	mg/kg	0.000232 %		
			201-581-5	85-01-8									
30		pyrene				3.39	mg/kg		3.39	mg/kg	0.000339 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				199	mg/kg	1.245	247.698	mg/kg	0.0248 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	39.274	mg/kg	0.00393 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0802 %		

Key

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

Classification of sample: WS102-0.80 - 1.00-30/06/2023

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

Sample details

Sample name:
WS102-0.80 - 1.00-30/06/2023
Sample Depth:
0.80 - 1.00 m
Moisture content:
12.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.4 mg/kg	1.285	1.799 mg/kg	0.00014 %		
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
21		fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	80	mg/kg		80	mg/kg	0.008 %		
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14	mg/kg	1.579	22.113	mg/kg	0.00221 %		
28		pH			PH		8	pH		8	pH	8pH		
29		phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30		pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		185	mg/kg	1.245	230.272	mg/kg	0.023 %		
36		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		monohydric phenols			P1186		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
38		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
											Total:	0.0543 %		

Key

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

Classification of sample: WS102-1.70 - 2.00-30/06/2023

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

Sample details

Sample name:
WS102-1.70 - 2.00-30/06/2023
Sample Depth:
1.70 - 2.00 m
Moisture content:
7.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.5% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		0.14	mg/kg		0.14	mg/kg	0.000014 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		28	mg/kg	1.32	36.969	mg/kg	0.0037 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.4	mg/kg		0.4	mg/kg	0.00004 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.31	mg/kg		0.31	mg/kg	0.000031 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.39	mg/kg		0.39	mg/kg	0.000039 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.17	mg/kg		0.17	mg/kg	0.000017 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.15	mg/kg		0.15	mg/kg	0.000015 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8	mg/kg	2.775	2.22	mg/kg	0.000222 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.99	mg/kg		0.99	mg/kg	0.000099 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		20	mg/kg	0.002 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
			201-581-5	85-01-8									
30		pyrene				0.72	mg/kg		0.72	mg/kg	0.000072 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				70	mg/kg	1.245	87.13	mg/kg	0.00871 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				46	mg/kg	1.785	82.119	mg/kg	0.00821 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0398 %		

Key

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

Classification of sample: WS103-1.65 - 2.00-30/06/2023

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

Sample details

Sample name:
WS103-1.65 - 2.00-30/06/2023
Sample Depth:
1.65 - 2.00 m
Moisture content:
6.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		20	mg/kg	0.002 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				49	mg/kg	1.245	60.991	mg/kg	0.0061 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	94.615	mg/kg	0.00946 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0382 %		

Key

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

Classification of sample: WS104-0.45 - 0.70-30/06/2023

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

Sample details

Sample name:
WS104-0.45 - 0.70-30/06/2023
Sample Depth:
0.45 - 0.70 m
Moisture content:
11.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19	mg/kg	1.32	25.086	mg/kg	0.00251 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.12	mg/kg		0.12	mg/kg	0.000012 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.12	mg/kg		0.12	mg/kg	0.000012 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1	mg/kg	2.775	2.775	mg/kg	0.000278 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1.5	mg/kg	5.719	8.579	mg/kg	0.000858 %		
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %		
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				42	mg/kg	1.126	47.287	mg/kg	0.00473 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	187	mg/kg		187	mg/kg	0.0187 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			201-581-5	85-01-8									
30		pyrene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				133	mg/kg	1.245	165.547	mg/kg	0.0166 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				37	mg/kg	1.785	66.052	mg/kg	0.00661 %		
		023-001-00-8	215-239-8	1314-62-1									
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS104-1.50 - 2.00-30/06/2023

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

Sample details

Sample name:
WS104-1.50 - 2.00-30/06/2023
Sample Depth:
1.50 - 2.00 m
Moisture content:
4.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.9% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10	mg/kg	1.462	14.616	mg/kg	0.00146 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				6	mg/kg	1.126	6.755	mg/kg	0.000676 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	7	mg/kg		7	mg/kg	0.0007 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				14	mg/kg	1.579	22.113	mg/kg	0.00221 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				0.002	mg/kg		0.002	mg/kg	0.0000002 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				23	mg/kg	1.245	28.628	mg/kg	0.00286 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				23	mg/kg	1.785	41.059	mg/kg	0.00411 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0217 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

xylene: (conc.: 2.0e-07%)

Classification of sample: WS104-2.50 - 3.00-30/06/2023

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

Sample details

Sample name:
WS104-2.50 - 3.00-30/06/2023
Sample Depth:
2.50 - 3.00 m
Moisture content:
4.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.5% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
3		toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<**LOD**
4	●	TPH (C6 to C40) petroleum group			TPH		<60 mg/kg		<60 mg/kg	<0.006 %		<**LOD**
5		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<**LOD**
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<**LOD**
									Total:	0.006 %		

Key

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

Classification of sample: WS105-0.50 - 0.95-30/06/2023

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

Sample details

Sample name:
WS105-0.50 - 0.95-30/06/2023
Sample Depth:
0.50 - 0.95 m
Moisture content:
16.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16.8% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.14	mg/kg		0.14	mg/kg	0.000014 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26	mg/kg	1.32	34.328	mg/kg	0.00343 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.29	mg/kg		1.29	mg/kg	0.000129 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.18	mg/kg		1.18	mg/kg	0.000118 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.36	mg/kg		1.36	mg/kg	0.000136 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.54	mg/kg		0.54	mg/kg	0.000054 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.36	mg/kg		0.36	mg/kg	0.000036 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.2	mg/kg	2.775	6.106	mg/kg	0.000611 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1	mg/kg	1.285	1.285	mg/kg	0.0001 %		
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.27	mg/kg		1.27	mg/kg	0.000127 %		
		601-048-00-0	205-923-4	218-01-9									
17		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									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				2.43	mg/kg		2.43	mg/kg	0.000243 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	283	mg/kg		283	mg/kg	0.0283 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
29		phenanthrene				0.75	mg/kg		0.75	mg/kg	0.000075 %		
			201-581-5	85-01-8									
30		pyrene				2.33	mg/kg		2.33	mg/kg	0.000233 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				801	mg/kg	1.245	997.016	mg/kg	0.0997 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				39	mg/kg	1.785	69.622	mg/kg	0.00696 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.162 %		

Key

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

Classification of sample: WS105-1.50 - 2.00-30/06/2023

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

Sample details

Sample name:
WS105-1.50 - 2.00-30/06/2023
Sample Depth:
1.50 - 2.00 m
Moisture content:
9.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		16	mg/kg	0.0016 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				61	mg/kg	1.245	75.928	mg/kg	0.00759 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				46	mg/kg	1.785	82.119	mg/kg	0.00821 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.037 %		

Key

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

Classification of sample: WS105-2.60 - 2.90-30/06/2023

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

Sample details

Sample name:
WS105-2.60 - 2.90-30/06/2023
Sample Depth:
2.60 - 2.90 m
Moisture content:
8.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.8% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
2	•	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
4	•	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Classification of sample: WS111-0.65 - 1.00-30/06/2023

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

Sample details

Sample name:
WS111-0.65 - 1.00-30/06/2023
Sample Depth:
0.65 - 1.00 m
Moisture content:
11.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6	mg/kg	2.775	1.665	mg/kg	0.000167 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2	mg/kg	1.285	0.257	mg/kg	0.00002 %		
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13	mg/kg	1.462	19	mg/kg	0.0019 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	122	mg/kg		122	mg/kg	0.0122 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				13	mg/kg	1.579	20.533	mg/kg	0.00205 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				94	mg/kg	1.245	117.003	mg/kg	0.0117 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				31	mg/kg	1.785	55.341	mg/kg	0.00553 %		
		023-001-00-8	215-239-8	1314-62-1									
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0476 %		

Key

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

Classification of sample: WS111-1.50 - 2.00-30/06/2023

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

Sample details

Sample name:
WS111-1.50 - 2.00-30/06/2023
Sample Depth:
1.50 - 2.00 m
Moisture content:
7.1%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.11 mg/kg		0.11 mg/kg	0.000011 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	10.133	mg/kg	0.00101 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17	mg/kg		17	mg/kg	0.0017 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				17	mg/kg	1.579	26.851	mg/kg	0.00269 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			201-581-5	85-01-8									
30		pyrene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				44	mg/kg	1.245	54.767	mg/kg	0.00548 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0293 %		

Key

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

Classification of sample: WS112-0.30-30/06/2023

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS112-0.30-30/06/2023

Sample Depth:
0.30 m

LoW Code:

Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

	User supplied data

Classification of sample: WS112-0.00 - 0.30-30/06/2023

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

Sample details

Sample name:
WS112-0.00 - 0.30-30/06/2023
Sample Depth:
0.00 - 0.30 m
Moisture content:
5.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		2.47 mg/kg		2.47 mg/kg	0.000247 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		5.22 mg/kg		5.22 mg/kg	0.000522 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		11.1 mg/kg		11.1 mg/kg	0.00111 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		8.64 mg/kg		8.64 mg/kg	0.000864 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		11.4 mg/kg		11.4 mg/kg	0.00114 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		4 mg/kg		4 mg/kg	0.0004 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.68 mg/kg		3.68 mg/kg	0.000368 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<**LOD**
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<**LOD**
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12 mg/kg	1.462	17.539 mg/kg	0.00175 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				10.8	mg/kg		10.8	mg/kg	0.00108 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				1.35	mg/kg		1.35	mg/kg	0.000135 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				30.1	mg/kg		30.1	mg/kg	0.00301 %		
			205-912-4	206-44-0									
22		fluorene				2.43	mg/kg		2.43	mg/kg	0.000243 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				5.18	mg/kg		5.18	mg/kg	0.000518 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	44	mg/kg		44	mg/kg	0.0044 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				8	mg/kg	1.579	12.636	mg/kg	0.00126 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				9.6	pH		9.6	pH	9.6 pH		
				PH									
29		phenanthrene				20	mg/kg		20	mg/kg	0.002 %		
			201-581-5	85-01-8									
30		pyrene				21.6	mg/kg		21.6	mg/kg	0.00216 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				327	mg/kg		327	mg/kg	0.0327 %		
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				87	mg/kg	1.245	108.29	mg/kg	0.0108 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				20	mg/kg	1.785	35.704	mg/kg	0.00357 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0727 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0327%)

Classification of sample: WS112-1.00 - 1.70-30/06/2023

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

Sample details

Sample name:
WS112-1.00 - 1.70-30/06/2023
Sample Depth:
1.00 - 1.70 m
Moisture content:
2.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		55 mg/kg	1.32	72.618 mg/kg	0.00726 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	5.3 mg/kg	1.285	6.812 mg/kg	0.00053 %		
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8 mg/kg	1.462	11.692 mg/kg	0.00117 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	10.133	mg/kg	0.00101 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		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											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				7	mg/kg	1.579	11.056	mg/kg	0.00111 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				591	mg/kg	1.245	735.626	mg/kg	0.0736 %		
		030-013-00-7	215-222-5	1314-13-2									
36		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				9	mg/kg	1.785	16.067	mg/kg	0.00161 %		
		023-001-00-8	215-239-8	1314-62-1									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS112-2.50 - 3.00-30/06/2023

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

Sample details

Sample name:
WS112-2.50 - 3.00-30/06/2023
Sample Depth:
2.50 - 3.00 m
Moisture content:
5.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.7% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
2	●	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
4	●	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

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

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

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

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

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

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

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

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

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

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

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

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

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

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

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

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

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

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

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

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 £ conc. < 3 % , Eye Irrit. 2; H319 1 £ conc. < 3 % , Aquatic Chronic 2; H411

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boric acid; [1] boric acid [2]}

Worst case reacts with water, next worst case selected

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

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

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

Worst case species

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

Worst case species based on hazard statements

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 sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case selected

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.208.5698.10490 (27 Jul 2023)
HazWasteOnline Database: 2023.208.5698.10490 (27 Jul 2023)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Waste Classification Report

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

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

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

W6UCV-VESAY-A1077

Job name

23-08824.1

Description/Comments

i2 lab cert 23-08824

Project

19411

Site

Chatham Street, Reading

Classified by

Name:
Emma Judd
Date:
28 Jul 2023 15:14 GMT
Telephone:
07843 090903

Company:
Hydrock Consultants Ltd
5 - 7 Tanner Street
London
SE1 3LE

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	08 Dec 2022

Next 3 year Refresher due by Dec 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

Chatham Street, Reading **Post Code** N/A

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Ground investigation works

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

Ground investigation works

Description of the waste

Ground investigation works

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS107-0.60 - 0.80-30/06/2023	0.60 - 0.80	Non Hazardous		3
2	WS107-1.70 - 1.90-30/06/2023	1.70 - 1.90	Non Hazardous		6
3	WS107-2.60 - 2.80-30/06/2023	2.60 - 2.80	Non Hazardous		9
4	WS109-0.70 - 0.75-30/06/2023	0.70 - 0.75	Hazardous	HP 3(i), HP 7, HP 11, HP 14	10
5	WS109-1.64 - 1.86-30/06/2023	1.64 - 1.86	Non Hazardous		13
6	WS109-2.60 - 3.00-30/06/2023	2.60 - 3.00	Non Hazardous		14
7	WS110-0.70 - 0.90-30/06/2023	0.70 - 0.90	Non Hazardous		17
8	WS110-1.70 - 1.90-30/06/2023	1.70 - 1.90	Non Hazardous		20
9	WS113-2.40 - 2.70-30/06/2023	2.40 - 2.70	Non Hazardous		23
10	WS114-1.40 - 1.70-30/06/2023	1.40 - 1.70	Non Hazardous		26
11	WS114-2.40 - 2.80-30/06/2023	2.40 - 2.80	Non Hazardous		29
12	WS115-0.30 - 0.60-30/06/2023	0.30 - 0.60	Non Hazardous		30
13	WS115-0.60 - 0.85-30/06/2023	0.60 - 0.85	Non Hazardous		33
14	WS115-2.70 - 3.00-30/06/2023	2.70 - 3.00	Non Hazardous		36
15	WS116-1.40 - 1.60-30/06/2023	1.40 - 1.60	Non Hazardous		37
16	WS116-1.75 - 2.00-30/06/2023	1.75 - 2.00	Non Hazardous		40
17	WS117-0.70 - 0.90-30/06/2023	0.70 - 0.90	Non Hazardous		43
18	WS117A-0.70 - 1.00-30/06/2023	0.70 - 1.00	Non Hazardous		44
19	WS117A-1.20 - 1.40-30/06/2023	1.20 - 1.40	Non Hazardous		46
20	WS117A-2.00 - 2.40-30/06/2023	2.00 - 2.40	Non Hazardous		49
21	WS118-0.60 - 0.90-30/06/2023	0.60 - 0.90	Non Hazardous		52
22	WS118-2.20 - 2.40-30/06/2023	2.20 - 2.40	Non Hazardous		55
23	WS119-1.10 - 1.30-30/06/2023	1.10 - 1.30	Non Hazardous		58
24	WS119-2.50 - 2.80-30/06/2023	2.50 - 2.80	Non Hazardous		61
25	WS120-0.20 - 0.40-30/06/2023	0.20 - 0.40	Non Hazardous		64
26	WS120-1.20 - 1.40-30/06/2023	1.20 - 1.40	Non Hazardous		67
27	WS120-2.30 - 2.50-30/06/2023	2.30 - 2.50	Non Hazardous		70
28	WS121-0.20 - 0.40-30/06/2023	0.20 - 0.40	Hazardous	HP 8	73
29	WS121-1.40 - 1.60-30/06/2023	1.40 - 1.60	Non Hazardous		76
30	WS122-0.20 - 0.40-30/06/2023	0.20 - 0.40	Non Hazardous		79
31	WS122-1.50 - 1.80-30/06/2023	1.50 - 1.80	Non Hazardous		82
32	WS122-2.60 - 2.80-30/06/2023	2.60 - 2.80	Non Hazardous		85
33	WS123-0.40 - 0.60-30/06/2023	0.40 - 0.60	Non Hazardous		88
34	WS123-1.50 - 1.70-30/06/2023	1.50 - 1.70	Non Hazardous		91
35	WS123-2.40 - 2.80-30/06/2023	2.40 - 2.80	Non Hazardous		92
36	WS124-0.50 - 0.70-30/06/2023	0.50 - 0.70	Non Hazardous		95
37	WS124-1.00 - 2.00-30/06/2023	1.00 - 2.00	Non Hazardous		98
38	WS125-0.40 - 0.60-30/06/2023	0.40 - 0.60	Hazardous	HP 8	101
39	WS125-1.60 - 1.80-30/06/2023	1.60 - 1.80	Non Hazardous		104
40	WS125-2.50 - 3.00-30/06/2023	2.50 - 3.00	Non Hazardous		107
41	WS126-0.40 - 0.60-30/06/2023	0.40 - 0.60	Non Hazardous		110
42	WS126-2.50 - 3.00-30/06/2023	2.50 - 3.00	Non Hazardous		113

Related documents

#	Name	Description
1	23-08824.1.hwol	DETS South .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Emma Judd

Created date: 28 Jul 2023 15:14 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	116
Appendix B: Rationale for selection of metal species	118
Appendix C: Version	118

Classification of sample: WS107-0.60 - 0.80-30/06/2023

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

Sample details

Sample name:
WS107-0.60 - 0.80-30/06/2023
Sample Depth:
0.60 - 0.80 m
Moisture content:
10.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 10.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		4.15 mg/kg		4.15 mg/kg	0.000415 %		
2	acenaphthylene		205-917-1	208-96-8		3.88 mg/kg		3.88 mg/kg	0.000388 %		
3	anthracene		204-371-1	120-12-7		3.76 mg/kg		3.76 mg/kg	0.000376 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25 mg/kg	1.32	33.008 mg/kg	0.0033 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.01 mg/kg		4.01 mg/kg	0.000401 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		3.86 mg/kg		3.86 mg/kg	0.000386 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		3.98 mg/kg		3.98 mg/kg	0.000398 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		3.63 mg/kg		3.63 mg/kg	0.000363 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.65 mg/kg		3.65 mg/kg	0.000365 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	4.163 mg/kg	0.000416 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		3.91	mg/kg		3.91	mg/kg	0.000391 %		
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		56	mg/kg	1.126	63.05	mg/kg	0.0063 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		3.47	mg/kg		3.47	mg/kg	0.000347 %		
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
21		fluoranthene		205-912-4	206-44-0		3.89	mg/kg		3.89	mg/kg	0.000389 %		
22		fluorene		201-695-5	86-73-7		3.96	mg/kg		3.96	mg/kg	0.000396 %		
23		indeno[123-cd]pyrene		205-893-2	193-39-5		4.2	mg/kg		4.2	mg/kg	0.00042 %		
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	368	mg/kg		368	mg/kg	0.0368 %		
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.1	mg/kg	1.353	1.489	mg/kg	0.000149 %		
26		naphthalene	601-052-00-2	202-049-5	91-20-3		3.94	mg/kg		3.94	mg/kg	0.000394 %		
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		24	mg/kg	1.579	37.908	mg/kg	0.00379 %		
28		pH			PH		7.5	pH		7.5	pH	7.5 pH		
29		phenanthrene		201-581-5	85-01-8		4.03	mg/kg		4.03	mg/kg	0.000403 %		
30		pyrene		204-927-3	129-00-0		3.95	mg/kg		3.95	mg/kg	0.000395 %		
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		109	mg/kg		109	mg/kg	0.0109 %		
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		205	mg/kg	1.245	255.166	mg/kg	0.0255 %		
36		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
38		monohydric phenols			P1186		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
39		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		40	mg/kg	1.785	71.407	mg/kg	0.00714 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0109%)

Classification of sample: WS107-1.70 - 1.90-30/06/2023

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

Sample details

Sample name:
WS107-1.70 - 1.90-30/06/2023
Sample Depth:
1.70 - 1.90 m
Moisture content:
14.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.7% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	23	mg/kg		23	mg/kg	0.0023 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				13	mg/kg	1.579	20.533	mg/kg	0.00205 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				44	mg/kg	1.245	54.767	mg/kg	0.00548 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0294 %		

Key

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

Classification of sample: WS107-2.60 - 2.80-30/06/2023

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

Sample details

Sample name:
WS107-2.60 - 2.80-30/06/2023
Sample Depth:
2.60 - 2.80 m
Moisture content:
4.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.1% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
2	●	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
4	●	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Classification of sample: WS109-0.70 - 0.75-30/06/2023

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

Sample details

Sample name:	LoW Code:
WS109-0.70 - 0.75-30/06/2023	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
0.70 - 0.75 m	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
Moisture content:	
13.8% (no correction)	

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to hazardous because Total TPH exceeds 1000 mg/kg, therefore sample is hazardous

Hazard Statements hit:

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

Because of determinands:

benzene: (conc.: 2.0e-07%)
ethylbenzene: (conc.: 7.0e-07%)
toluene: (conc.: 2.0e-06%)

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.738%)
xylene: (conc.: 0.00001%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.738%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.738%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

naphthalene: (conc.: 0.17%)
phenanthrene: (conc.: 0.108%)

Determinands

Moisture content: 13.8% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		39.2 mg/kg		39.2 mg/kg	0.00392 %		
2		acenaphthylene		205-917-1	208-96-8		228 mg/kg		228 mg/kg	0.0228 %		
3		anthracene		204-371-1	120-12-7		294 mg/kg		294 mg/kg	0.0294 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3 mg/kg	1.32	3.961 mg/kg	0.000396 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		0.002 mg/kg		0.002 mg/kg	0.0000002 %		
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		206 mg/kg		206 mg/kg	0.0206 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		173 mg/kg		173 mg/kg	0.0173 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		189 mg/kg		189 mg/kg	0.0189 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		76.2 mg/kg		76.2 mg/kg	0.00762 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		48.9 mg/kg		48.9 mg/kg	0.00489 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6 mg/kg	1.462	8.769 mg/kg	0.000877 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD
16		chrysene	601-048-00-0	205-923-4	218-01-9		217 mg/kg		217 mg/kg	0.0217 %		
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5 mg/kg	1.126	5.629 mg/kg	0.000563 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		23.3 mg/kg		23.3 mg/kg	0.00233 %		
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.007 mg/kg		0.007 mg/kg	0.0000007 %		
21		fluoranthene		205-912-4	206-44-0		685 mg/kg		685 mg/kg	0.0685 %		
22		fluorene		201-695-5	86-73-7		53.5 mg/kg		53.5 mg/kg	0.00535 %		
23		indeno[123-cd]pyrene		205-893-2	193-39-5		103 mg/kg		103 mg/kg	0.0103 %		
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	6 mg/kg		6 mg/kg	0.0006 %		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		1700	mg/kg		1700	mg/kg	0.17 %		
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5	mg/kg	1.579	7.897	mg/kg	0.00079 %		
28		pH			PH		10.7	pH		10.7	pH	10.7 pH		
29		phenanthrene		201-581-5	85-01-8		1080	mg/kg		1080	mg/kg	0.108 %		
30		pyrene		204-927-3	129-00-0		552	mg/kg		552	mg/kg	0.0552 %		
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		0.02	mg/kg		0.02	mg/kg	0.000002 %		
33		TPH (C6 to C40) petroleum group			TPH		7379	mg/kg		7379	mg/kg	0.738 %		
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.177	mg/kg		0.177	mg/kg	0.0000177 %		
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		15	mg/kg	1.245	18.671	mg/kg	0.00187 %		
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
37		monohydric phenols			P1186		2.6	mg/kg		2.6	mg/kg	0.00026 %		
38		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		9	mg/kg	1.785	16.067	mg/kg	0.00161 %		
											Total:	1.313 %		

Key

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

Classification of sample: WS109-1.64 - 1.86-30/06/2023

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

Sample details

Sample name:
WS109-1.64 - 1.86-30/06/2023
Sample Depth:
1.64 - 1.86 m
Moisture content:
13.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13.3% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
2	●	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
4	●	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Classification of sample: WS109-2.60 - 3.00-30/06/2023

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

Sample details

Sample name:
WS109-2.60 - 3.00-30/06/2023
Sample Depth:
2.60 - 3.00 m
Moisture content:
2.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19 mg/kg	1.32	25.086 mg/kg	0.00251 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22 mg/kg	1.462	32.154 mg/kg	0.00322 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13	mg/kg		13	mg/kg	0.0013 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				38	mg/kg	1.245	47.299	mg/kg	0.00473 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				43	mg/kg	1.785	76.763	mg/kg	0.00768 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0324 %		

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

Classification of sample: WS110-0.70 - 0.90-30/06/2023

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

Sample details

Sample name:
WS110-0.70 - 0.90-30/06/2023
Sample Depth:
0.70 - 0.90 m
Moisture content:
10.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 10.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4 mg/kg	1.32	5.281 mg/kg	0.000528 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7 mg/kg	1.462	10.231 mg/kg	0.00102 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		20	mg/kg	0.002 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				4	mg/kg	1.579	6.318	mg/kg	0.000632 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				10	mg/kg	1.245	12.447	mg/kg	0.00124 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				7	mg/kg	1.785	12.496	mg/kg	0.00125 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0155 %		

Key

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

Classification of sample: WS110-1.70 - 1.90-30/06/2023

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

Sample details

Sample name:
WS110-1.70 - 1.90-30/06/2023
Sample Depth:
1.70 - 1.90 m
Moisture content:
8.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	24	mg/kg		24	mg/kg	0.0024 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				10	mg/kg	1.579	15.795	mg/kg	0.00158 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				33	mg/kg	1.245	41.076	mg/kg	0.00411 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				27	mg/kg	1.785	48.2	mg/kg	0.00482 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0259 %		

Key

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

Classification of sample: WS113-2.40 - 2.70-30/06/2023

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

Sample details

Sample name:
WS113-2.40 - 2.70-30/06/2023
Sample Depth:
2.40 - 2.70 m
Moisture content:
28.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 28.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.35 mg/kg		0.35 mg/kg	0.000035 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.25 mg/kg		0.25 mg/kg	0.000025 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.48 mg/kg		0.48 mg/kg	0.000048 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.17 mg/kg		0.17 mg/kg	0.000017 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1 mg/kg	5.719	5.719 mg/kg	0.000572 %		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.257 mg/kg	0.00002 %		
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				296	mg/kg	1.126	333.263	mg/kg	0.0333 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	998	mg/kg		998	mg/kg	0.0998 %		
		082-001-00-6											
25		mercury { mercury dichloride }				6.1	mg/kg	1.353	8.256	mg/kg	0.000826 %		
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			201-581-5	85-01-8									
30		pyrene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				173	mg/kg	1.245	215.336	mg/kg	0.0215 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				29	mg/kg	1.785	51.77	mg/kg	0.00518 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.178 %		

Key

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

Classification of sample: WS114-1.40 - 1.70-30/06/2023

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

Sample details

Sample name:
WS114-1.40 - 1.70-30/06/2023
Sample Depth:
1.40 - 1.70 m
Moisture content:
13.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	74	mg/kg		74	mg/kg	0.0074 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				11	mg/kg	1.579	17.374	mg/kg	0.00174 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				39	mg/kg	1.245	48.544	mg/kg	0.00485 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				33	mg/kg	1.785	58.911	mg/kg	0.00589 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0337 %		

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

Classification of sample: WS114-2.40 - 2.80-30/06/2023

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

Sample details

Sample name:
WS114-2.40 - 2.80-30/06/2023
Sample Depth:
2.40 - 2.80 m
Moisture content:
3.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.4% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
2	•	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
4	•	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Classification of sample: WS115-0.30 - 0.60-30/06/2023

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

Sample details

Sample name:
WS115-0.30 - 0.60-30/06/2023
Sample Depth:
0.30 - 0.60 m
Moisture content:
13.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13.7% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		7.81	mg/kg		7.81	mg/kg	0.000781 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		15.3	mg/kg		15.3	mg/kg	0.00153 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10	mg/kg	1.32	13.203	mg/kg	0.00132 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		23.2	mg/kg		23.2	mg/kg	0.00232 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		18.4	mg/kg		18.4	mg/kg	0.00184 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		23.3	mg/kg		23.3	mg/kg	0.00233 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		9.48	mg/kg		9.48	mg/kg	0.000948 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		8.2	mg/kg		8.2	mg/kg	0.00082 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5	mg/kg	2.775	1.388	mg/kg	0.000139 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		3.5	mg/kg	5.719	20.017	mg/kg	0.002 %		
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				24	mg/kg		24	mg/kg	0.0024 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				2.76	mg/kg		2.76	mg/kg	0.000276 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				68.5	mg/kg		68.5	mg/kg	0.00685 %		
			205-912-4	206-44-0									
22		fluorene				8.02	mg/kg		8.02	mg/kg	0.000802 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				11.5	mg/kg		11.5	mg/kg	0.00115 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	36	mg/kg		36	mg/kg	0.0036 %		
		082-001-00-6											
25		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									
26		naphthalene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				9	mg/kg	1.579	14.215	mg/kg	0.00142 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.1	pH		10.1	pH	10.1 pH		
				PH									
29		phenanthrene				59	mg/kg		59	mg/kg	0.0059 %		
			201-581-5	85-01-8									
30		pyrene				49	mg/kg		49	mg/kg	0.0049 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				606	mg/kg		606	mg/kg	0.0606 %		
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				81	mg/kg	1.245	100.822	mg/kg	0.0101 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
38		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
39		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	39.274	mg/kg	0.00393 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.12 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0606%)

Classification of sample: WS115-0.60 - 0.85-30/06/2023

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

Sample details

Sample name:
WS115-0.60 - 0.85-30/06/2023
Sample Depth:
0.60 - 0.85 m
Moisture content:
7.4%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.18 mg/kg		0.18 mg/kg	0.000018 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		0.7 mg/kg		0.7 mg/kg	0.00007 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.21 mg/kg		2.21 mg/kg	0.000221 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.66 mg/kg		1.66 mg/kg	0.000166 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.11 mg/kg		2.11 mg/kg	0.000211 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.7 mg/kg		0.7 mg/kg	0.00007 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.64 mg/kg		0.64 mg/kg	0.000064 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.22 mg/kg	0.000222 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<**LOD**
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		1.71	mg/kg		1.71	mg/kg	0.000171 %		
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.21	mg/kg		0.21	mg/kg	0.000021 %		
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
21		fluoranthene		205-912-4	206-44-0		4.59	mg/kg		4.59	mg/kg	0.000459 %		
22		fluorene		201-695-5	86-73-7		0.21	mg/kg		0.21	mg/kg	0.000021 %		
23		indeno[123-cd]pyrene		205-893-2	193-39-5		1.22	mg/kg		1.22	mg/kg	0.000122 %		
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	72	mg/kg		72	mg/kg	0.0072 %		
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	23.692	mg/kg	0.00237 %		
28		pH			PH		8.1	pH		8.1	pH	8.1 pH		
29		phenanthrene		201-581-5	85-01-8		2.4	mg/kg		2.4	mg/kg	0.00024 %		
30		pyrene		204-927-3	129-00-0		3.29	mg/kg		3.29	mg/kg	0.000329 %		
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		108	mg/kg		108	mg/kg	0.0108 %		
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		112	mg/kg	1.245	139.408	mg/kg	0.0139 %		
36		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
38		monohydric phenols			P1186		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
39		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
											Total:	0.0517 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0108%)

Classification of sample: WS115-2.70 - 3.00-30/06/2023

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

Sample details

Sample name:
WS115-2.70 - 3.00-30/06/2023
Sample Depth:
2.70 - 3.00 m
Moisture content:
8.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
3		toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<**LOD**
4	●	TPH (C6 to C40) petroleum group			TPH		<60 mg/kg		<60 mg/kg	<0.006 %		<**LOD**
5		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<**LOD**
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<**LOD**
									Total:	0.006 %		

Key

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

Classification of sample: WS116-1.40 - 1.60-30/06/2023

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

Sample details

Sample name:
WS116-1.40 - 1.60-30/06/2023
Sample Depth:
1.40 - 1.60 m
Moisture content:
9.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.32 mg/kg		0.32 mg/kg	0.000032 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.26 mg/kg		0.26 mg/kg	0.000026 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.36 mg/kg		0.36 mg/kg	0.000036 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.13 mg/kg		0.13 mg/kg	0.000013 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1.2 mg/kg	5.719	6.863 mg/kg	0.000686 %		
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				32	mg/kg	1.126	36.028	mg/kg	0.0036 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	71	mg/kg		71	mg/kg	0.0071 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				16	mg/kg	1.579	25.272	mg/kg	0.00253 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			201-581-5	85-01-8									
30		pyrene				0.45	mg/kg		0.45	mg/kg	0.000045 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				72	mg/kg	1.245	89.619	mg/kg	0.00896 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				33	mg/kg	1.785	58.911	mg/kg	0.00589 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0408 %		

Key

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

Classification of sample: WS116-1.75 - 2.00-30/06/2023

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

Sample details

Sample name:
WS116-1.75 - 2.00-30/06/2023
Sample Depth:
1.75 - 2.00 m
Moisture content:
3.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.5% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		21 mg/kg	1.32	27.727 mg/kg	0.00277 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14	mg/kg		14	mg/kg	0.0014 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				41	mg/kg	1.245	51.033	mg/kg	0.0051 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	78.548	mg/kg	0.00785 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.033 %		

Key

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

Classification of sample: WS117-0.70 - 0.90-30/06/2023

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

Sample details

Sample name:
WS117-0.70 - 0.90-30/06/2023
Sample Depth:
0.70 - 0.90 m
Moisture content:
5.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.7% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
2	•	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
4	•	TPH (C6 to C40) petroleum group				734	mg/kg		734	mg/kg	0.0734 %		
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0734 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0734%)

Classification of sample: WS117A-0.70 - 1.00-30/06/2023

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

Sample details

Sample name:
WS117A-0.70 - 1.00-30/06/2023
Sample Depth:
0.70 - 1.00 m
Moisture content:
14.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.7% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
2	•	ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.003	mg/kg		0.003	mg/kg	0.0000003 %		
3		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
4	•	TPH (C6 to C40) petroleum group			TPH		293	mg/kg		293	mg/kg	0.0293 %		
5		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.012	mg/kg		0.012	mg/kg	0.0000012 %		
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
											Total:	0.0293 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 3.0e-07%)

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0293%)
xylene: (conc.: 1.2e-06%)

Classification of sample: WS117A-1.20 - 1.40-30/06/2023

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

Sample details

Sample name:
WS117A-1.20 - 1.40-30/06/2023
Sample Depth:
1.20 - 1.40 m
Moisture content:
9.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17	mg/kg		17	mg/kg	0.0017 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				44	mg/kg	1.245	54.767	mg/kg	0.00548 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				37	mg/kg	1.785	66.052	mg/kg	0.00661 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0299 %		

Key

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

Classification of sample: WS117A-2.00 - 2.40-30/06/2023

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

Sample details

Sample name:
WS117A-2.00 - 2.40-30/06/2023
Sample Depth:
2.00 - 2.40 m
Moisture content:
2.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 2.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		3.95 mg/kg		3.95 mg/kg	0.000395 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		7.46 mg/kg		7.46 mg/kg	0.000746 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		10.5 mg/kg		10.5 mg/kg	0.00105 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		9.58 mg/kg		9.58 mg/kg	0.000958 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		11 mg/kg		11 mg/kg	0.0011 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		4.48 mg/kg		4.48 mg/kg	0.000448 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		4.38 mg/kg		4.38 mg/kg	0.000438 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6 mg/kg	1.462	8.769 mg/kg	0.000877 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				11.2	mg/kg		11.2	mg/kg	0.00112 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				<4	mg/kg	1.126	<4.504	mg/kg	<0.00045 %		<LOD
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				1.36	mg/kg		1.36	mg/kg	0.000136 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				30.2	mg/kg		30.2	mg/kg	0.00302 %		
			205-912-4	206-44-0									
22		fluorene				3.63	mg/kg		3.63	mg/kg	0.000363 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				5.64	mg/kg		5.64	mg/kg	0.000564 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	6	mg/kg		6	mg/kg	0.0006 %		
		082-001-00-6											
25		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									
26		naphthalene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				7	mg/kg	1.579	11.056	mg/kg	0.00111 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
29		phenanthrene				25	mg/kg		25	mg/kg	0.0025 %		
			201-581-5	85-01-8									
30		pyrene				20.8	mg/kg		20.8	mg/kg	0.00208 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				230	mg/kg		230	mg/kg	0.023 %		
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				18	mg/kg	1.245	22.405	mg/kg	0.00224 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				14	mg/kg	1.785	24.993	mg/kg	0.0025 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0486 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.023%)

Classification of sample: WS118-0.60 - 0.90-30/06/2023

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

Sample details

Sample name:
WS118-0.60 - 0.90-30/06/2023
Sample Depth:
0.60 - 0.90 m
Moisture content:
15.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15.3% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
2		acenaphthylene		205-917-1	208-96-8		0.14	mg/kg		0.14	mg/kg	0.000014 %		
3		anthracene		204-371-1	120-12-7		0.27	mg/kg		0.27	mg/kg	0.000027 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		32	mg/kg	1.32	42.25	mg/kg	0.00423 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.83	mg/kg		1.83	mg/kg	0.000183 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2.01	mg/kg		2.01	mg/kg	0.000201 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.6	mg/kg		2.6	mg/kg	0.00026 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.99	mg/kg		0.99	mg/kg	0.000099 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.76	mg/kg		0.76	mg/kg	0.000076 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.3	mg/kg	2.775	6.383	mg/kg	0.000638 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1.5	mg/kg	5.719	8.579	mg/kg	0.000858 %		
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.8	mg/kg	1.285	1.028	mg/kg	0.00008 %		
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.78	mg/kg		1.78	mg/kg	0.000178 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				107	mg/kg	1.126	120.47	mg/kg	0.012 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				3.76	mg/kg		3.76	mg/kg	0.000376 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.31	mg/kg		1.31	mg/kg	0.000131 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	545	mg/kg		545	mg/kg	0.0545 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				7.3	pH		7.3	pH	7.3 pH		
				PH									
29		phenanthrene				1.49	mg/kg		1.49	mg/kg	0.000149 %		
			201-581-5	85-01-8									
30		pyrene				3.29	mg/kg		3.29	mg/kg	0.000329 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				67	mg/kg		67	mg/kg	0.0067 %		
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				700	mg/kg	1.245	871.3	mg/kg	0.0871 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
38		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
39		vanadium { divanadium pentaoxide; vanadium pentoxide }				39	mg/kg	1.785	69.622	mg/kg	0.00696 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.185 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0067%)

Classification of sample: WS118-2.20 - 2.40-30/06/2023

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

Sample details

Sample name:
WS118-2.20 - 2.40-30/06/2023
Sample Depth:
2.20 - 2.40 m
Moisture content:
7.6%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18	mg/kg	1.32	23.766	mg/kg	0.00238 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7	mg/kg	2.775	1.943	mg/kg	0.000194 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				8	mg/kg	1.126	9.007	mg/kg	0.000901 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		16	mg/kg	0.0016 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				47	mg/kg	1.245	58.502	mg/kg	0.00585 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0308 %		

Key

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

Classification of sample: WS119-1.10 - 1.30-30/06/2023

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

Sample details

Sample name:
WS119-1.10 - 1.30-30/06/2023
Sample Depth:
1.10 - 1.30 m
Moisture content:
19.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20	mg/kg	1.32	26.407	mg/kg	0.00264 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9	mg/kg	2.775	2.498	mg/kg	0.00025 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1.9	mg/kg	5.719	10.866	mg/kg	0.00109 %		
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		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									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	246	mg/kg		246	mg/kg	0.0246 %		
		082-001-00-6											
25		mercury { mercury dichloride }				5.4	mg/kg	1.353	7.309	mg/kg	0.000731 %		
		080-010-00-X	231-299-8	7487-94-7									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.1	pH		7.1	pH	7.1 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				0.007	mg/kg		0.007	mg/kg	0.0000007 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				118	mg/kg	1.245	146.876	mg/kg	0.0147 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				37	mg/kg	1.785	66.052	mg/kg	0.00661 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0723 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

xylene: (conc.: 7.0e-07%)

Classification of sample: WS119-2.50 - 2.80-30/06/2023

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

Sample details

Sample name:
WS119-2.50 - 2.80-30/06/2023
Sample Depth:
2.50 - 2.80 m
Moisture content:
5.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.388 mg/kg	0.000139 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				8	mg/kg	1.126	9.007	mg/kg	0.000901 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13	mg/kg		13	mg/kg	0.0013 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				32	mg/kg	1.245	39.831	mg/kg	0.00398 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				31	mg/kg	1.785	55.341	mg/kg	0.00553 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0272 %		

Key

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

Classification of sample: WS120-0.20 - 0.40-30/06/2023

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

Sample details

Sample name:
WS120-0.20 - 0.40-30/06/2023
Sample Depth:
0.20 - 0.40 m
Moisture content:
2.6%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.14	mg/kg		0.14	mg/kg	0.000014 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.39	mg/kg		0.39	mg/kg	0.000039 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14	mg/kg	1.32	18.485	mg/kg	0.00185 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.12	mg/kg		1.12	mg/kg	0.000112 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.85	mg/kg		0.85	mg/kg	0.000085 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.08	mg/kg		1.08	mg/kg	0.000108 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.37	mg/kg		0.37	mg/kg	0.000037 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.34	mg/kg		0.34	mg/kg	0.000034 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6	mg/kg	2.775	1.665	mg/kg	0.000167 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		1.3	mg/kg	5.719	7.435	mg/kg	0.000743 %		
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.85	mg/kg		0.85	mg/kg	0.000085 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				2.25	mg/kg		2.25	mg/kg	0.000225 %		
			205-912-4	206-44-0									
22		fluorene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.69	mg/kg		0.69	mg/kg	0.000069 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	52	mg/kg		52	mg/kg	0.0052 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				9.8	pH		9.8	pH	9.8 pH		
				PH									
29		phenanthrene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			201-581-5	85-01-8									
30		pyrene				1.61	mg/kg		1.61	mg/kg	0.000161 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				128	mg/kg	1.245	159.323	mg/kg	0.0159 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
38		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
39		vanadium { divanadium pentaoxide; vanadium pentoxide }				37	mg/kg	1.785	66.052	mg/kg	0.00661 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.048 %		

Key

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

Classification of sample: WS120-1.20 - 1.40-30/06/2023

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

Sample details

Sample name:
WS120-1.20 - 1.40-30/06/2023
Sample Depth:
1.20 - 1.40 m
Moisture content:
8.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.18 mg/kg		0.18 mg/kg	0.000018 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.14 mg/kg		0.14 mg/kg	0.000014 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.15 mg/kg		0.15 mg/kg	0.000015 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.665 mg/kg	0.000167 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
		601-048-00-0	205-923-4	218-01-9									
17		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									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	68	mg/kg		68	mg/kg	0.0068 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				13	mg/kg	1.579	20.533	mg/kg	0.00205 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				97	mg/kg	1.245	120.737	mg/kg	0.0121 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0452 %		

Key

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

Classification of sample: WS120-2.30 - 2.50-30/06/2023

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

Sample details

Sample name:
WS120-2.30 - 2.50-30/06/2023
Sample Depth:
2.30 - 2.50 m
Moisture content:
4.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.9% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22 mg/kg	1.32	29.047 mg/kg	0.0029 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.22 mg/kg	0.000222 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	26.308 mg/kg	0.00263 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	10.133	mg/kg	0.00101 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	9	mg/kg		9	mg/kg	0.0009 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				8	pH		8	pH	8pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				35	mg/kg	1.245	43.565	mg/kg	0.00436 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	78.548	mg/kg	0.00785 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0307 %		

Key

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

Classification of sample: WS121-0.20 - 0.40-30/06/2023

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

Sample details

Sample name:
WS121-0.20 - 0.40-30/06/2023
Sample Depth:
0.20 - 0.40 m
Moisture content:
8.9%
(no correction)

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

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 11.8 pH)

Determinands

Moisture content: 8.9% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.21 mg/kg		0.21 mg/kg	0.000021 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5 mg/kg	1.32	6.602 mg/kg	0.00066 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.8 mg/kg		0.8 mg/kg	0.00008 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.67 mg/kg		0.67 mg/kg	0.000067 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.79 mg/kg		0.79 mg/kg	0.000079 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.32 mg/kg		0.32 mg/kg	0.000032 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.26 mg/kg		0.26 mg/kg	0.000026 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<**LOD**
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.257 mg/kg	0.00002 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
			215-160-9	1308-38-9									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		chrysene				0.63	mg/kg		0.63	mg/kg	0.000063 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				44	mg/kg	1.126	49.539	mg/kg	0.00495 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				1.61	mg/kg		1.61	mg/kg	0.000161 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	14	mg/kg		14	mg/kg	0.0014 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				9	mg/kg	1.579	14.215	mg/kg	0.00142 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				11.8	pH		11.8	pH	11.8 pH		
				PH									
29		phenanthrene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
			201-581-5	85-01-8									
30		pyrene				1.17	mg/kg		1.17	mg/kg	0.000117 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				61	mg/kg	1.245	75.928	mg/kg	0.00759 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				17 mg/kg	1.785	30.348 mg/kg	0.00303 %		
		023-001-00-8	215-239-8	1314-62-1							
								Total:	0.0309 %		

Key

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

Classification of sample: WS121-1.40 - 1.60-30/06/2023

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

Sample details

Sample name:
WS121-1.40 - 1.60-30/06/2023
Sample Depth:
1.40 - 1.60 m
Moisture content:
12.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12.4% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.15	mg/kg		0.15	mg/kg	0.000015 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		0.37	mg/kg		0.37	mg/kg	0.000037 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13	mg/kg	1.32	17.164	mg/kg	0.00172 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.4	mg/kg		1.4	mg/kg	0.00014 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.29	mg/kg		1.29	mg/kg	0.000129 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.44	mg/kg		1.44	mg/kg	0.000144 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.74	mg/kg		0.74	mg/kg	0.000074 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.45	mg/kg		0.45	mg/kg	0.000045 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7	mg/kg	2.775	1.943	mg/kg	0.000194 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15	mg/kg	1.462	21.923	mg/kg	0.00219 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				2.44	mg/kg		2.44	mg/kg	0.000244 %		
			205-912-4	206-44-0									
22		fluorene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.28	mg/kg		1.28	mg/kg	0.000128 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	88	mg/kg		88	mg/kg	0.0088 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.3	pH		10.3	pH	10.3 pH		
				PH									
29		phenanthrene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			201-581-5	85-01-8									
30		pyrene				1.91	mg/kg		1.91	mg/kg	0.000191 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				107	mg/kg	1.245	133.184	mg/kg	0.0133 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				28	mg/kg	1.785	49.985	mg/kg	0.005 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0451 %		

Key

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

Classification of sample: WS122-0.20 - 0.40-30/06/2023

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

Sample details

Sample name:
WS122-0.20 - 0.40-30/06/2023
Sample Depth:
0.20 - 0.40 m
Moisture content:
1.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 1.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		3.19	mg/kg		3.19	mg/kg	0.000319 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		6.7	mg/kg		6.7	mg/kg	0.00067 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4	mg/kg	1.32	5.281	mg/kg	0.000528 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		9.02	mg/kg		9.02	mg/kg	0.000902 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		7.82	mg/kg		7.82	mg/kg	0.000782 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		8.31	mg/kg		8.31	mg/kg	0.000831 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		3.54	mg/kg		3.54	mg/kg	0.000354 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.35	mg/kg		3.35	mg/kg	0.000335 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8	mg/kg	1.462	11.692	mg/kg	0.00117 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				9.27	mg/kg		9.27	mg/kg	0.000927 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				1.07	mg/kg		1.07	mg/kg	0.000107 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				32.2	mg/kg		32.2	mg/kg	0.00322 %		
			205-912-4	206-44-0									
22		fluorene				3.31	mg/kg		3.31	mg/kg	0.000331 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				5.07	mg/kg		5.07	mg/kg	0.000507 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13	mg/kg		13	mg/kg	0.0013 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				5	mg/kg	1.579	7.897	mg/kg	0.00079 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.6	pH		10.6	pH	10.6 pH		
				PH									
29		phenanthrene				29.7	mg/kg		29.7	mg/kg	0.00297 %		
			201-581-5	85-01-8									
30		pyrene				22.4	mg/kg		22.4	mg/kg	0.00224 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				184	mg/kg		184	mg/kg	0.0184 %		
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				25	mg/kg	1.245	31.118	mg/kg	0.00311 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				8	mg/kg	1.785	14.281	mg/kg	0.00143 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.044 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0184%)

Classification of sample: WS122-1.50 - 1.80-30/06/2023

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

Sample details

Sample name:
WS122-1.50 - 1.80-30/06/2023
Sample Depth:
1.50 - 1.80 m
Moisture content:
12.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	24.846 mg/kg	0.00248 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				9	mg/kg	1.126	10.133	mg/kg	0.00101 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.005	mg/kg		0.005	mg/kg	0.0000005 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		16	mg/kg	0.0016 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				0.004	mg/kg		0.004	mg/kg	0.0000004 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				41	mg/kg	1.245	51.033	mg/kg	0.0051 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				32	mg/kg	1.785	57.126	mg/kg	0.00571 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0275 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 5.0e-07%)

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

Because of determinand:

xylene: (conc.: 4.0e-07%)

Classification of sample: WS122-2.60 - 2.80-30/06/2023

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

Sample details

Sample name:
WS122-2.60 - 2.80-30/06/2023
Sample Depth:
2.60 - 2.80 m
Moisture content:
8.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8 mg/kg	1.462	11.692 mg/kg	0.00117 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.008	mg/kg		0.008	mg/kg	0.0000008 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4	mg/kg		4	mg/kg	0.0004 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				13	mg/kg	1.579	20.533	mg/kg	0.00205 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				0.005	mg/kg		0.005	mg/kg	0.0000005 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				26	mg/kg	1.245	32.363	mg/kg	0.00324 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	33.919	mg/kg	0.00339 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0204 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 8.0e-07%)

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

Because of determinand:

xylene: (conc.: 5.0e-07%)

Classification of sample: WS123-0.40 - 0.60-30/06/2023

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

Sample details

Sample name:
WS123-0.40 - 0.60-30/06/2023
Sample Depth:
0.40 - 0.60 m
Moisture content:
4.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 4.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		1.53	mg/kg		1.53	mg/kg	0.000153 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		3.71	mg/kg		3.71	mg/kg	0.000371 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9	mg/kg	1.32	11.883	mg/kg	0.00119 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		8.64	mg/kg		8.64	mg/kg	0.000864 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		9.04	mg/kg		9.04	mg/kg	0.000904 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		9.49	mg/kg		9.49	mg/kg	0.000949 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		4.45	mg/kg		4.45	mg/kg	0.000445 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.71	mg/kg		3.71	mg/kg	0.000371 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				8.6	mg/kg		8.6	mg/kg	0.00086 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				8	mg/kg	1.126	9.007	mg/kg	0.000901 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				1.24	mg/kg		1.24	mg/kg	0.000124 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.003	mg/kg		0.003	mg/kg	0.0000003 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				21.8	mg/kg		21.8	mg/kg	0.00218 %		
			205-912-4	206-44-0									
22		fluorene				1.33	mg/kg		1.33	mg/kg	0.000133 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				5.28	mg/kg		5.28	mg/kg	0.000528 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16	mg/kg		16	mg/kg	0.0016 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				7	mg/kg	1.579	11.056	mg/kg	0.00111 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.8	pH		10.8	pH	10.8 pH		
				PH									
29		phenanthrene				9.86	mg/kg		9.86	mg/kg	0.000986 %		
			201-581-5	85-01-8									
30		pyrene				17.4	mg/kg		17.4	mg/kg	0.00174 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				277	mg/kg		277	mg/kg	0.0277 %		
				TPH									
34		xylene				0.003	mg/kg		0.003	mg/kg	0.0000003 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				28	mg/kg	1.245	34.852	mg/kg	0.00349 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
38		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
39		vanadium { divanadium pentaoxide; vanadium pentoxide }				17	mg/kg	1.785	30.348	mg/kg	0.00303 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0539 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 3.0e-07%)

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0277%)
xylene: (conc.: 3.0e-07%)

Classification of sample: WS123-1.50 - 1.70-30/06/2023

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

Sample details

Sample name:
WS123-1.50 - 1.70-30/06/2023
Sample Depth:
1.50 - 1.70 m
Moisture content:
10%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		benzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
2	●	ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
3		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
4	●	TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
5		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.006 %		

Key

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

Classification of sample: WS123-2.40 - 2.80-30/06/2023

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

Sample details

Sample name:
WS123-2.40 - 2.80-30/06/2023
Sample Depth:
2.40 - 2.80 m
Moisture content:
5.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.5% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2		acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16 mg/kg	1.32	21.125 mg/kg	0.00211 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.16 mg/kg		0.16 mg/kg	0.000016 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.16 mg/kg		0.16 mg/kg	0.000016 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.17 mg/kg		0.17 mg/kg	0.000017 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	68	mg/kg		68	mg/kg	0.0068 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				14	mg/kg	1.579	22.113	mg/kg	0.00221 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
29		phenanthrene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			201-581-5	85-01-8									
30		pyrene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				89	mg/kg	1.245	110.78	mg/kg	0.0111 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				33	mg/kg	1.785	58.911	mg/kg	0.00589 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0409 %		

Key

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

Classification of sample: WS124-0.50 - 0.70-30/06/2023

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

Sample details

Sample name:
WS124-0.50 - 0.70-30/06/2023
Sample Depth:
0.50 - 0.70 m
Moisture content:
5.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.11	mg/kg		0.11	mg/kg	0.000011 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		0.26	mg/kg		0.26	mg/kg	0.000026 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<2	mg/kg	1.32	<2.641	mg/kg	<0.000264 %		<**LOD**
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.98	mg/kg		0.98	mg/kg	0.000098 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.74	mg/kg		0.74	mg/kg	0.000074 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1	mg/kg		1	mg/kg	0.0001 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.4	mg/kg		0.4	mg/kg	0.00004 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.29	mg/kg		0.29	mg/kg	0.000029 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5	mg/kg	1.462	7.308	mg/kg	0.000731 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.81	mg/kg		0.81	mg/kg	0.000081 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				4	mg/kg	1.126	4.504	mg/kg	0.00045 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.006	mg/kg		0.006	mg/kg	0.0000006 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				2.05	mg/kg		2.05	mg/kg	0.000205 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	4	mg/kg		4	mg/kg	0.0004 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				<3	mg/kg	1.579	<4.738	mg/kg	<0.000474 %		<**LOD**
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.9	pH		10.9	pH	10.9 pH		
				PH									
29		phenanthrene				1.07	mg/kg		1.07	mg/kg	0.000107 %		
			201-581-5	85-01-8									
30		pyrene				1.49	mg/kg		1.49	mg/kg	0.000149 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<**LOD**
				TPH									
34		xylene				0.007	mg/kg		0.007	mg/kg	0.0000007 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				9	mg/kg	1.245	11.202	mg/kg	0.00112 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				4	mg/kg	1.785	7.141	mg/kg	0.000714 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0131 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 6.0e-07%)

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

Because of determinand:

xylene: (conc.: 7.0e-07%)

Classification of sample: WS124-1.00 - 2.00-30/06/2023

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

Sample details

Sample name:
WS124-1.00 - 2.00-30/06/2023
Sample Depth:
1.00 - 2.00 m
Moisture content:
6.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.9% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.15	mg/kg		0.15	mg/kg	0.000015 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
3		anthracene		204-371-1	120-12-7		0.52	mg/kg		0.52	mg/kg	0.000052 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5	mg/kg	1.32	6.602	mg/kg	0.00066 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.14	mg/kg		2.14	mg/kg	0.000214 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.88	mg/kg		1.88	mg/kg	0.000188 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.27	mg/kg		2.27	mg/kg	0.000227 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.91	mg/kg		0.91	mg/kg	0.000091 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.78	mg/kg		0.78	mg/kg	0.000078 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<LOD
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		12	mg/kg	1.462	17.539	mg/kg	0.00175 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.71	mg/kg		1.71	mg/kg	0.000171 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				8	mg/kg	1.126	9.007	mg/kg	0.000901 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.006	mg/kg		0.006	mg/kg	0.0000006 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				3.65	mg/kg		3.65	mg/kg	0.000365 %		
			205-912-4	206-44-0									
22		fluorene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.17	mg/kg		1.17	mg/kg	0.000117 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	11	mg/kg		11	mg/kg	0.0011 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				7	mg/kg	1.579	11.056	mg/kg	0.00111 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				11.4	pH		11.4	pH	11.4 pH		
				PH									
29		phenanthrene				1.48	mg/kg		1.48	mg/kg	0.000148 %		
			201-581-5	85-01-8									
30		pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				119	mg/kg		119	mg/kg	0.0119 %		
				TPH									
34		xylene				0.013	mg/kg		0.013	mg/kg	0.0000013 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				25	mg/kg	1.245	31.118	mg/kg	0.00311 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				18	mg/kg	1.785	32.133	mg/kg	0.00321 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0277 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 6.0e-07%)

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0119%)
xylene: (conc.: 1.3e-06%)

Classification of sample: WS125-0.40 - 0.60-30/06/2023

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

Sample details

Sample name:
WS125-0.40 - 0.60-30/06/2023
Sample Depth:
0.40 - 0.60 m
Moisture content:
6.6%
(no correction)

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

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 11.8 pH)

Determinands

Moisture content: 6.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.4	mg/kg		0.4	mg/kg	0.00004 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.77	mg/kg		0.77	mg/kg	0.000077 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7	mg/kg	1.32	9.242	mg/kg	0.000924 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.51	mg/kg		2.51	mg/kg	0.000251 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2.1	mg/kg		2.1	mg/kg	0.00021 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.64	mg/kg		2.64	mg/kg	0.000264 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		1.01	mg/kg		1.01	mg/kg	0.000101 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.84	mg/kg		0.84	mg/kg	0.000084 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10	mg/kg	1.462	14.616	mg/kg	0.00146 %		
			215-160-9	1308-38-9									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		chrysene				2.02	mg/kg		2.02	mg/kg	0.000202 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	19.14	mg/kg	0.00191 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.006	mg/kg		0.006	mg/kg	0.0000006 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				5.62	mg/kg		5.62	mg/kg	0.000562 %		
			205-912-4	206-44-0									
22		fluorene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.32	mg/kg		1.32	mg/kg	0.000132 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	17	mg/kg		17	mg/kg	0.0017 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				7	mg/kg	1.579	11.056	mg/kg	0.00111 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				11.8	pH		11.8	pH	11.8 pH		
				PH									
29		phenanthrene				2.93	mg/kg		2.93	mg/kg	0.000293 %		
			201-581-5	85-01-8									
30		pyrene				3.97	mg/kg		3.97	mg/kg	0.000397 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				90	mg/kg		90	mg/kg	0.009 %		
				TPH									
34		xylene				0.009	mg/kg		0.009	mg/kg	0.0000009 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				47	mg/kg	1.245	58.502	mg/kg	0.00585 %		
		030-013-00-7	215-222-5	1314-13-2									
36		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
38		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
39		vanadium { divanadium pentaoxide; vanadium pentoxide }				14	mg/kg	1.785	24.993	mg/kg	0.0025 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0291 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 6.0e-07%)

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

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.009%)
xylene: (conc.: 9.0e-07%)

Classification of sample: WS125-1.60 - 1.80-30/06/2023

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

Sample details

Sample name:
WS125-1.60 - 1.80-30/06/2023
Sample Depth:
1.60 - 1.80 m
Moisture content:
0.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 0.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.12 mg/kg		0.12 mg/kg	0.000012 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		0.21 mg/kg		0.21 mg/kg	0.000021 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<2 mg/kg	1.32	<2.641 mg/kg	<0.000264 %		<LOD
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.8 mg/kg		0.8 mg/kg	0.00008 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.63 mg/kg		0.63 mg/kg	0.000063 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.76 mg/kg		0.76 mg/kg	0.000076 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.28 mg/kg		0.28 mg/kg	0.000028 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.23 mg/kg		0.23 mg/kg	0.000023 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<2 mg/kg	1.462	<2.923 mg/kg	<0.000292 %		<LOD
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				0.59	mg/kg		0.59	mg/kg	0.000059 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				<4	mg/kg	1.126	<4.504	mg/kg	<0.00045 %		<LOD
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				1.47	mg/kg		1.47	mg/kg	0.000147 %		
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	<3	mg/kg		<3	mg/kg	<0.0003 %		<LOD
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				<3	mg/kg	1.579	<4.738	mg/kg	<0.000474 %		<LOD
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
29		phenanthrene				0.8	mg/kg		0.8	mg/kg	0.00008 %		
			201-581-5	85-01-8									
30		pyrene				1.13	mg/kg		1.13	mg/kg	0.000113 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				3	mg/kg	1.245	3.734	mg/kg	0.000373 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				4	mg/kg	1.785	7.141	mg/kg	0.000714 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0116 %		

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

Classification of sample: WS125-2.50 - 3.00-30/06/2023

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

Sample details

Sample name:
WS125-2.50 - 3.00-30/06/2023
Sample Depth:
2.50 - 3.00 m
Moisture content:
5.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 5.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		30 mg/kg	1.32	39.61 mg/kg	0.00396 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	13	mg/kg		13	mg/kg	0.0013 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		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]									
28		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
29		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				60	mg/kg	1.245	74.683	mg/kg	0.00747 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				57	mg/kg	1.785	101.756	mg/kg	0.0102 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0403 %		

Key

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

Classification of sample: WS126-0.40 - 0.60-30/06/2023

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

Sample details

Sample name:
WS126-0.40 - 0.60-30/06/2023
Sample Depth:
0.40 - 0.60 m
Moisture content:
7.6%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		acenaphthene		201-469-6	83-32-9		0.16	mg/kg		0.16	mg/kg	0.000016 %		
2		acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
3		anthracene		204-371-1	120-12-7		0.36	mg/kg		0.36	mg/kg	0.000036 %		
4		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15	mg/kg	1.32	19.805	mg/kg	0.00198 %		
5		benzene	601-020-00-8	200-753-7	71-43-2		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
6		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.17	mg/kg		2.17	mg/kg	0.000217 %		
7		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.84	mg/kg		1.84	mg/kg	0.000184 %		
8		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		2.31	mg/kg		2.31	mg/kg	0.000231 %		
9		benzo[ghi]perylene		205-883-8	191-24-2		0.95	mg/kg		0.95	mg/kg	0.000095 %		
10		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.65	mg/kg		0.65	mg/kg	0.000065 %		
11		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6	mg/kg	2.775	1.665	mg/kg	0.000167 %		
12		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1	mg/kg	5.719	<5.719	mg/kg	<0.000572 %		<**LOD**
13		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<**LOD**
14		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2	mg/kg	1.923	<3.846	mg/kg	<0.000385 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		chrysene				1.68	mg/kg		1.68	mg/kg	0.000168 %		
		601-048-00-0	205-923-4	218-01-9									
17		copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
		029-002-00-X	215-270-7	1317-39-1									
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
19		dibenz[a,h]anthracene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-041-00-2	200-181-8	53-70-3									
20		ethylbenzene				0.002	mg/kg		0.002	mg/kg	0.0000002 %		
		601-023-00-4	202-849-4	100-41-4									
21		fluoranthene				3.59	mg/kg		3.59	mg/kg	0.000359 %		
			205-912-4	206-44-0									
22		fluorene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			201-695-5	86-73-7									
23		indeno[123-cd]pyrene				1.65	mg/kg		1.65	mg/kg	0.000165 %		
			205-893-2	193-39-5									
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19	mg/kg		19	mg/kg	0.0019 %		
		082-001-00-6											
25		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									
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
27		nickel { nickel dihydroxide }				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
28		pH				10.7	pH		10.7	pH	10.7 pH		
				PH									
29		phenanthrene				1.43	mg/kg		1.43	mg/kg	0.000143 %		
			201-581-5	85-01-8									
30		pyrene				3.18	mg/kg		3.18	mg/kg	0.000318 %		
			204-927-3	129-00-0									
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
		034-002-00-8											
32		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
33		TPH (C6 to C40) petroleum group				<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
				TPH									
34		xylene				0.002	mg/kg		0.002	mg/kg	0.0000002 %		
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35		zinc { zinc oxide }				47	mg/kg	1.245	58.502	mg/kg	0.00585 %		
		030-013-00-7	215-222-5	1314-13-2									
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
37		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
				P1186									
38		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	60.696	mg/kg	0.00607 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0329 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because 1000 mg/kg used as non-hazardous limit for total TPH

Hazard Statements hit:

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

Because of determinand:

ethylbenzene: (conc.: 2.0e-07%)

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

Because of determinand:

xylene: (conc.: 2.0e-07%)

Classification of sample: WS126-2.50 - 3.00-30/06/2023

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

Sample details

Sample name:
WS126-2.50 - 3.00-30/06/2023
Sample Depth:
2.50 - 3.00 m
Moisture content:
7.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		0.14 mg/kg		0.14 mg/kg	0.000014 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
3	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
5	benzene	601-020-00-8	200-753-7	71-43-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
6	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.47 mg/kg		0.47 mg/kg	0.000047 %		
7	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.34 mg/kg		0.34 mg/kg	0.000034 %		
8	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.37 mg/kg		0.37 mg/kg	0.000037 %		
9	benzo[ghi]perylene		205-883-8	191-24-2		0.14 mg/kg		0.14 mg/kg	0.000014 %		
10	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.15 mg/kg		0.15 mg/kg	0.000015 %		
11	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
12	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<LOD
13	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
14	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7 mg/kg	1.462	10.231 mg/kg	0.00102 %		
15	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
16		chrysene	601-048-00-0	205-923-4	218-01-9		0.34	mg/kg		0.34	mg/kg	0.000034 %		
17		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
18		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
19		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
20		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
21		fluoranthene		205-912-4	206-44-0		1.01	mg/kg		1.01	mg/kg	0.000101 %		
22		fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23		indeno[123-cd]pyrene		205-893-2	193-39-5		0.19	mg/kg		0.19	mg/kg	0.000019 %		
24		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	68	mg/kg		68	mg/kg	0.0068 %		
25		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<1	mg/kg	1.353	<1.353	mg/kg	<0.000135 %		<LOD
26		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		6	mg/kg	1.579	9.477	mg/kg	0.000948 %		
28		pH			PH		8.9	pH		8.9	pH	8.9 pH		
29		phenanthrene		201-581-5	85-01-8		0.82	mg/kg		0.82	mg/kg	0.000082 %		
30		pyrene		204-927-3	129-00-0		0.85	mg/kg		0.85	mg/kg	0.000085 %		
31		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<LOD
32		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		TPH (C6 to C40) petroleum group			TPH		<60	mg/kg		<60	mg/kg	<0.006 %		<LOD
34		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
35		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		75	mg/kg	1.245	93.354	mg/kg	0.00934 %		
36		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
37		monohydric phenols			P1186		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
38		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		14	mg/kg	1.785	24.993	mg/kg	0.0025 %		
											Total:	0.0316 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

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

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

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

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

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

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

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

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

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

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

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

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

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

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

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

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

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

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

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

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 £ conc. < 3 % , Eye Irrit. 2; H319 1 £ conc. < 3 % , Aquatic Chronic 2; H411

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boric acid; [1] boric acid [2]}

Worst case reacts with water, next work case selected

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

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

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

Worst case species

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

Worst case species based on hazard statements

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 sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case selected

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.208.5698.10490 (27 Jul 2023)
HazWasteOnline Database: 2023.208.5698.10490 (27 Jul 2023)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021

Waste Classification Report

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

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

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

NSUYV-UEL3O-DARF8

Job name

23-09328.1

Description/Comments

i2 lab cert 23-09328

Project

19411

Site

Chatham Street, Reading

Classified by

Name:
Emma Judd
Date:
28 Jul 2023 15:17 GMT
Telephone:
07843 090903

Company:
Hydrock Consultants Ltd
5 - 7 Tanner Street
London
SE1 3LE

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	08 Dec 2022

Next 3 year Refresher due by Dec 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

Chatham Street, Reading **Post Code** N/A

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Ground investigation works

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

Ground investigation works

Description of the waste

Ground investigation works

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS117A-0.70 - 1.00-30/06/2023	0.70 - 1.00	Non Hazardous		3
2	WS122-0.20 - 0.40-30/06/2023	0.20 - 0.40	Non Hazardous		5
3	WS122-1.50 - 1.80-30/06/2023	1.50 - 1.80	Non Hazardous		6
4	WS126-0.40 - 0.60-30/06/2023	0.40 - 0.60	Non Hazardous		7

Related documents

#	Name	Description
1	23-09328.1.hwol	DETS South .hwol file used to populate the Job
2	Hydrock Standard plus Cresol (ammended Lead)	waste stream template used to create this Job

Report

Created by: Emma Judd

Created date: 28 Jul 2023 15:17 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	8
Appendix B: Rationale for selection of metal species	9
Appendix C: Version	10

Classification of sample: WS117A-0.70 - 1.00-30/06/2023

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

Sample details

Sample name:
WS117A-0.70 - 1.00-30/06/2023
Sample Depth:
0.70 - 1.00 m
Moisture content:
11.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	acenaphthene		201-469-6	83-32-9		2.05 mg/kg		2.05 mg/kg	0.000205 %		
2	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
3	anthracene		204-371-1	120-12-7		4.63 mg/kg		4.63 mg/kg	0.000463 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22 mg/kg	1.32	29.047 mg/kg	0.0029 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		10.3 mg/kg		10.3 mg/kg	0.00103 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		7.1 mg/kg		7.1 mg/kg	0.00071 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		9.07 mg/kg		9.07 mg/kg	0.000907 %		
8	benzo[ghi]perylene		205-883-8	191-24-2		2.38 mg/kg		2.38 mg/kg	0.000238 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.55 mg/kg		2.55 mg/kg	0.000255 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.5 mg/kg	2.775	4.163 mg/kg	0.000416 %		
11	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]		<1 mg/kg	5.719	<5.719 mg/kg	<0.000572 %		<**LOD**
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	2.2 mg/kg	1.285	2.828 mg/kg	0.00022 %		
13	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	23.385 mg/kg	0.00234 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<2 mg/kg	1.923	<3.846 mg/kg	<0.000385 %		<**LOD**
15	chrysene	601-048-00-0	205-923-4	218-01-9		7.98 mg/kg		7.98 mg/kg	0.000798 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		copper { dicopper oxide; copper (I) oxide }				66	mg/kg	1.126	74.309	mg/kg	0.00743 %		
		029-002-00-X	215-270-7	1317-39-1									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		dibenz[a,h]anthracene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
		601-041-00-2	200-181-8	53-70-3									
19		fluoranthene				36.3	mg/kg		36.3	mg/kg	0.00363 %		
			205-912-4	206-44-0									
20		fluorene				2.17	mg/kg		2.17	mg/kg	0.000217 %		
			201-695-5	86-73-7									
21		indeno[123-cd]pyrene				3.31	mg/kg		3.31	mg/kg	0.000331 %		
			205-893-2	193-39-5									
22		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	373	mg/kg		373	mg/kg	0.0373 %		
		082-001-00-6											
23		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									
24		naphthalene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
		601-052-00-2	202-049-5	91-20-3									
25		nickel { nickel dihydroxide }				20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
26		pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
27		phenanthrene				24.6	mg/kg		24.6	mg/kg	0.00246 %		
			201-581-5	85-01-8									
28		pyrene				23	mg/kg		23	mg/kg	0.0023 %		
			204-927-3	129-00-0									
29		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<2	mg/kg	1.405	<2.81	mg/kg	<0.000281 %		<**LOD**
		034-002-00-8											
30		zinc { zinc oxide }				462	mg/kg	1.245	575.058	mg/kg	0.0575 %		
		030-013-00-7	215-222-5	1314-13-2									
31		polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
32		monohydric phenols				<2	mg/kg		<2	mg/kg	<0.0002 %		<**LOD**
				P1186									
33		vanadium { divanadium pentaoxide; vanadium pentoxide }				31	mg/kg	1.785	55.341	mg/kg	0.00553 %		
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.132 %		

Key

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

Classification of sample: WS122-0.20 - 0.40-30/06/2023

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

Sample details

Sample name:
WS122-0.20 - 0.40-30/06/2023
Sample Depth:
0.20 - 0.40 m
Moisture content:
6.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.9% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1	●	pH				9.9	pH		9.9	pH	9.9 pH		
				PH									
2	●	polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.00001 %		

Key

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

Classification of sample: WS122-1.50 - 1.80-30/06/2023

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

Sample details

Sample name:
WS122-1.50 - 1.80-30/06/2023
Sample Depth:
1.50 - 1.80 m
Moisture content:
14.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14.2% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	●	pH			PH		7.8 pH		7.8 pH	7.8 pH		
2	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
									Total:	0.00001 %		

Key

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

Classification of sample: WS126-0.40 - 0.60-30/06/2023

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

Sample details

Sample name:
WS126-0.40 - 0.60-30/06/2023
Sample Depth:
0.40 - 0.60 m
Moisture content:
12%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1	●	pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
2	●	polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.00001 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

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

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

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

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

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

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

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

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

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

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

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

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

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

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

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

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

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

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

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

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

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

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 £ conc. < 3 % , Eye Irrit. 2; H319 1 £ conc. < 3 % , Aquatic Chronic 2; H411

divanadium pentaoxide; vanadium pentoxide (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8
Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330
Reason for additional Hazards Statement(s):
20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.
28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

boron {boric acid; [1] boric acid [2]}

Two worst cases react with water, next worst case selected

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

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

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

Worst case species

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

Worst case species based on hazard statements

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 sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case selected

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.208.5698.10490 (27 Jul 2023)
HazWasteOnline Database: 2023.208.5698.10490 (27 Jul 2023)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021