

Supplementary Site Investigation Report for Langstone Technology Park, Havant

Prepared for AG Langstone B.V.

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10/1425/004 Rev. 01

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Executive Summary

Client	AG Langstone B.V.
Location	The site is located toward the southern periphery of Havant, approximately 600m south of the Town Centre and 1.5km south-east of Junction 5 of the A3(M).
Description	The wider site comprises a series of large buildings subdivided into leased units of mixed uses with associated car parking and landscaped areas. The current study area is located in the south of the wider site, predominantly comprising car parking, small gymnasium, vehicle washing area, storage area and a number of circular historic tank bases.
Development	The site is proposed for redevelopment for commercial purposes with associated infrastructure.
Previous Site Investigations	During works undertaken by Clancy Consulting in July 2019, Made Ground was recorded to depths of up to 3.10m bgl, underlain by River Terrace Deposits and/or highly weathered material derived from the underlying bedrock, to maximum depths of between 5.10m and 6.00m bgl. This was underlain by solid chalk bedrock, proven to a maximum depth of 24.85m bgl. Visual and olfactory evidence of hydrocarbon contamination was recorded in two locations in the south-west of the site (in the west of this current area of study). Although, chemical testing of soil samples collected from these locations did not identify any contaminants in excess of their relevant soil screening values for commercial / industrial end use, concentrations of organic contaminants were recorded in excess of their solubility saturation limits. As such, it was considered that these contaminants could be impacting upon groundwater (superficial Secondary A Aquifer and bedrock Principal Aquifer) beneath the site, encountered at depths ranging from 2.00m to 3.00m bgl.
Hazardous Gas	Ground gas monitoring undertaken as part of the previous works indicated the site to be classified as CIRIA Characteristic Situation 2 (CS2). Ground gas protection measures were therefore recommended for all new structures in accordance with current guidance.
Foundations	Given the variable nature of the shallow natural strata, a shallow foundation solution may be susceptible to differential settlement. As such, it was considered a piled foundation solution may prove more suitable.
Site Investigations	Site investigation works were undertaken across the site and within areas of previously identified contamination comprising the drilling of two cable percussive boreholes and twenty five window sample boreholes to provide better spatial coverage, fill in data gaps, refine the Conceptual Site Model, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.
Ground Conditions	The ground investigation has identified up to 1.70m of Made Ground. The Made Ground was found to comprise 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.0m bgl. This was followed by weathered layers of the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl.

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Visual and olfactory evidence of contamination was encountered in several locations, in the vicinity of previously identified contamination.

Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

The ground conditions encountered do not differ significantly from those previously discussed.

Contamination

Contaminants of concern were recorded in groundwater sampled from beneath the site though concentrations were only marginally elevated above adopted assessment criteria. However, contaminants of concern recorded in groundwater beneath the site may pose a risk to the Langstone Mill Brook, present beyond the eastern boundary of the site.

TPH compounds were recorded in Made Ground and natural strata at concentrations in excess of their solubility limits in two hotspot locations. A number of VOC and SVOC compounds were also recorded within samples collected from the hotspot locations though no published assessment criteria for these contaminants are currently available. The excavation and off-site disposal of contaminated soils in these locations will lead to the betterment of groundwater quality beneath the site and mitigate the potential risk to the adjacent Langstone Mill Brook. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

Waste Characterisation

Based on available information, it is considered likely that the majority of Made Ground and natural soils beneath the site would be suitable for disposal as Non-Hazardous Waste (other Made Ground than in the location of borehole WS02). Natural soils impacted by localised TPH contamination in the vicinity of boreholes WS05, WS21, WS31 and WS32 would require disposal to a Hazardous Waste landfill (if they needed to be removed from site).

Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

Geotechnical

The SPTs carried out within the Made Ground were found to be in a loose to medium dense condition.

SPTs carried out within the shallow natural strata found these soils to be in a very variable condition.

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SPTs carried out in the chalk recorded 'N' values ranging from 7 to 19. The SPT 'N' values from 18.0m to 19.5m were >50. In accordance with CIRIA C574 'Engineering in Chalk', the SPT 'N' values indicate that the base of weathering within the chalk bedrock is 18.0m bgl.

These records do not differ significantly from those encountered during previous investigations.

Further Works

The mitigation measures discussed within this report should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).
- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

We would recommend that this report be submitted to the LPA at the earliest opportunity to seek their approval or further comments regarding the recommendations presented herein.

The above conclusions and recommendations are based on the sites proposed development comprising new commercial units with associated car parking and landscaped areas. Should the proposed end use change it will be necessary to amend the conclusions accordingly. The report also assumed that the final site levels will not be significantly altered.

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Drawings

Site Location Plan
Existing Site Layout Plan
Exploratory Hole Location Plan

Appendices

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Appendix III	Chemical Laboratory Test Results
Appendix IV	Waste Assessment

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1.0 Introduction

1.1 Background

Clancy Consulting Limited has been appointed by AG Langstone B.V. to conduct further investigations at the Langstone Technology Park site in Havant. The aim of the investigation is to provide better spatial coverage, fill in data gaps, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.

A site location plan and proposed development plans are presented in Appendix I.

These works are to be undertaken in the south of the wider Langstone Technology Park site (currently occupied by car parking, landscaped areas, a gymnasium and historic tank bases) and can be split into two phases: Phase 1 in the western and central sections; and Phase 2 in the eastern section of the site.

This phase of works follow two previous phases of investigation carried out by Clancy Consulting Ltd for the wider site.

- Clancy Consulting Ltd Report No. 10/1425/001 dated August 2019
- Clancy Consulting Ltd Report No. 10/1425/002 (letter report) dated September 2019
- Clancy Consulting Ltd Report No. 10/1425/003 (letter report) dated June 2020

These previously issued documents should be read in conjunction with this report. A summary of the findings is provided in Section 2.0 below.

1.2 Objectives

The objectives of this investigation are summarised below:

- Provide a summary of data obtained during the previous investigation including ground conditions and contamination assessment.
- Undertake an intrusive site investigation comprising the drilling of window sample boreholes and cable percussion boreholes to establish the ground conditions across the proposed development area.
- Carry out geotechnical assessment of the ground conditions.
- Carry out chemical testing to determine whether any contamination risk exists to the environment and / or human health.
- Refine the preliminary risk assessment and conceptual site model with regard to potential contamination sources, pathways and receptors.
- Provide recommendations regarding the requirement for further investigations or remedial works, if required, to satisfy the Local Planning Authority and inform detailed civil and structural design.

1.3 Limitations of the Study

Clancy Consulting Limited cannot be held responsible for any omissions, misrepresentation, errors or inaccuracies with the supplied third party report information. The report is written in the context of an agreed scope of work and budget and should not be used in a different context. New information or improved practices and changes in legislation may require a reinterpretation of the report in whole or in part.

Clancy Consulting Limited reserves the right to amend either conclusions or recommendations in light of any further information that may become available. The report is provided for the sole use of AG Langstone B.V. for the objectives discussed previously only, and is confidential to them.

The report may not be relied upon by any other party without prior written consent of Clancy Consulting Limited. Those using this information in subsequent assessments or evaluations do so at their own risk.

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It must be noted that whilst this investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present in areas of the site which fall outside of the exploratory locations as part of this investigation.

2.0 Summary of Previous Findings

2.1 General

The following sections have been prepared based on information acquired during the Geo-Environmental Appraisal for the site.

2.2 Site Setting and Description

The wider Langstone Technology Park comprises a roughly rectangular parcel of land occupying an area of approximately 16Ha. The site is located toward the southern periphery of Havant, approximately 600m south of the Town Centre and 1.5km south-east of Junction 5 of the A3(M).

The wider site comprises a series of large buildings subdivided into leased units of mixed uses. Occupying the centre of the site are a series of buildings including two plant buildings ('Building 2000 and 3000'), offices and amenity complex with associated courtyards ('Building 4000'), a large data and distribution centre ('Building 5000') with a waste storage area to the west, along with three-storey office buildings ('Building 6000 and 7000'). A small nursery is present to the south of Building 5000.

Located in the north of the site is 'Building 1000', a single storey structure built on top of a man-made embankment and understood to contain a number of offices, manufacturing and laboratory units with access tunnels running from the car park to the north to beneath the building.

Toward the south-western corner of the site is a small gymnasium, vehicle washing area (with associated subsurface drainage), a storage area and a number of circular historic tank bases.

Access infrastructure and soft landscaping covers the rest of the site, which include a number of engineered slopes. The remainder of the site is currently occupied by car parking areas (including the majority of the south of the site).

An existing site layout plan is presented in Appendix I.

2.3 Previous Site Investigation

During works undertaken by Clancy Consulting in July 2019, Made Ground was recorded to depths of up to 3.10m bgl, underlain by a sequence of interbedded granular and cohesive strata, interpreted to be representative of the River Terrace Deposits and/or highly weathered material derived from the underlying bedrock, to maximum depths of between 5.10m and 6.00m bgl. This was underlain by solid chalk bedrock, proven to a maximum depth of 24.85m bgl.

Visual and olfactory evidence of hydrocarbon contamination was recorded in two locations in the south-west of the site (in the west of this current area of study). Although, chemical testing of soil samples collected from these locations did not identify any contaminants in excess of their relevant soil screening values for commercial / industrial end use, concentrations of organic contaminants were recorded in excess of their solubility saturation limits. As such, it was considered that these contaminants could be impacting upon groundwater (superficial Secondary A Aquifer and bedrock Principal Aquifer) beneath the site, encountered at depths ranging from 2.00m to 3.00m bgl.

Further consideration was recommended regarding the introduction of permeable surfaces / soakaways as part of the proposed development, as the introduction of water into these soils may increase the risk of the

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identified contaminants mobilising and migrating into controlled groundwaters. Due to the presence of chalk beneath the site, it was recommended that the risk of causing ground dissolution features from the introduction of traditional soakaway drainage features be considered. Distributive soakaways such as permeable paving and sub-base infiltration that do not discharge surface waters in a localised manner would mitigate the risk of generating groundwater dissolution features.

Ground gas monitoring indicated the site to be classified as CIRIA Characteristic Situation 2 (CS2). Ground gas protection measures were therefore recommended for all new structures in accordance with current guidance.

Given the variable nature of the shallow natural strata, a shallow foundation solution may be susceptible to differential settlement. As such, it was considered a piled foundation solution may prove more suitable.

Further information regarding the works undertaken to date at the site by Clancy Consulting Ltd can be found within the above referenced reports. The following sections refer only to works carried out in Phase 1 and Phase 2 in the south of the wider Langstone Technology site.

3.0 Site Investigation

3.1 Investigation Design & Objectives

The revised Conceptual Site Model was used to design an appropriate site investigation. The design approach was based on guidance provided in BS 10175 Code of Practice for Investigation of Potentially Contaminated Land (2011).

The aim of the investigation is to position cable percussive and window sample boreholes across the site and within areas of previously identified contamination to provide better spatial coverage, fill in data gaps, refine the Conceptual Site Model, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.

It must be noted that ground investigations can only target small areas of a site and that ground conditions may vary between exploratory hole locations. Whilst the investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present in areas of the site which fall outside of the exploratory locations carried out as part of this investigation.

3.2 Exploratory Fieldwork

Site investigation works were undertaken between 27th and 31st July 2020, and comprised the drilling of two cable percussion boreholes (BH5 and BH6) to a maximum depth of 19.95m bgl and the drilling of twenty five window sample boreholes (WS9 to WS32) to a maximum depth of 4.45m bgl.

BH6, WS13 to WS23 and WS25 to WS32 were positioned across Phase 1 and BH5, WS9 to WS12 and WS24 positioned across Phase 2.

An exploratory hole location plan is presented in Appendix I with exploratory hole logs presented in Appendix II.

3.3 Ground Conditions

Details of the ground conditions encountered beneath the proposed development site, along with records of the soil samples taken are presented on the exploratory hole records in Appendix II with a summary of the ground conditions provided below.

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3.4 Made Ground

Made Ground was encountered in all exploratory locations and generally comprised tarmacadam to maximum depth of 0.2m bgl (occasionally followed by sub-base type materials of sandy gravel of limestone, flint and sandstone) or topsoil underlain by predominantly granular fill comprising clayey sand with gravel of brick and clinker or reworked natural materials generally comprising clayey sandy gravel of flint with fragments of brick to a maximum depth of 1.10m bgl.

In WS21 the reworked natural materials were followed by Made Ground comprising sandy clay with gravel of flint and fragments of brick to 1.40m bgl. In the location of WS14, the reworked natural materials were followed by organic clayey sand with gravel of brick and flint to 1.50m bgl and sandy clay with gravel of flint and fragments of brick to 1.70m bgl. Other than in the locations discussed above, in general, the Made Ground was found to be less than 0.50m in thickness.

A band of concrete was encountered in WS30 between 0.20m and 0.30m bgl.

Visual and olfactory evidence of contamination was recorded in WS21.

The above ground conditions do not differ significantly from those encountered during previous phases of investigation.

3.5 Natural Strata

Natural strata was formed from a mix of granular and cohesive deposits, comprising clayey sandy gravel of flint and sandy silt / clay with gravel of flint (and occasionally chalk), proven to a maximum depth of 4.00m bgl. In the west of the site, a band of occasionally gravelly or sandy silt / clay was also encountered at depths ranging from 0.30m to 1.10m bgl, ranging in thickness from 1.10m to 1.40m. A 0.20m thick band of gravelly clay was also encountered in WS9 in the east of the site. These materials have been interpreted to be River Terrace Deposits or Brickearth.

WS9 to WS13, WS15 to WS17, WS22, WS23, WS25, WS27 and WS30 (predominantly across the central and east of the site) were terminated within this material.

A band of soft gravelly sandy clay with decaying roots and rootlets was encountered in WS14 between 2.00m and 2.60m bgl and interpreted to be representative of historic topsoil.

The River Terrace Deposits / Brickearth were underlain (where encountered) by light grey and cream sandy silt / clay with gravel of flint and chalk, silty sand with gravel of flint and chalk, and silty sandy gravel of flint and chalk proven to a maximum of 6.00m bgl. These materials have been interpreted to be weathered layers of the chalk bedrock.

Chalk bedrock was encountered in BH5 and BH6 at depths ranging from 5.80m to 6.00m and proven to a maximum depth of 19.85m bgl.

Visual and olfactory evidence of contamination was encountered in was recorded in WS19, to WS21, WS29, WS31 and WS32.

The above ground conditions do not differ significantly from those encountered during previous phases of investigation.

3.6 Groundwater

Groundwater (where encountered) was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Within BH5 and BH6, groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

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3.7 Chemical Laboratory Testing

Selected soil and groundwater samples were recovered at regular intervals and submitted to a UKAS/MCerts accredited laboratory for a general and targeted suite of analyses which included the following:

In total twenty nine soil samples (five from the Made Ground and twenty four from the underlying natural strata) were tested for a range of determinands including *arsenic, beryllium, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, vanadium, zinc, speciated PAH, speciated TPH, SVOC and VOC. Select samples were also tested for TOC and PCBs.*

A sample of residues / solids encountered within the monitoring well in WS20 during collection of a groundwater sample was also recovered and tested for *Speciated PAH and Speciated TPH* analysis.

Copies of the laboratory test certificates are presented in Appendix III.

4.0 Tier 1 Contamination Analysis

4.1 Guidelines

At a Tier 1 stage the long-term human health toxicity of the soil has been assessed with reference to the LQM / CIEH S4ULs for Human Health Risk Assessment and CL:AIRE Category 4 Screening Levels (C4SLs). The proposed development will comprise the construction of new commercial units and associated hard standing, therefore the chemical test results have been compared against Site Screening Values (SSVs) for a commercial / industrial end use.

Water samples were recovered from WS3, WS9, WS14, WS20, WS29, BH5 and BH6 and tested for a range of determinands including dissolved *arsenic, beryllium, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, vanadium, zinc, speciated PAH, speciated TPH, SVOC, VOC and DOC.*

Given the presence of a superficial Secondary A Aquifer and bedrock Principal Aquifer beneath the site, the water analysis has been assessed with reference to The Water Supply (Water Quality) Regulations 2018 and WHO Guidelines For Drinking Water Quality. Where threshold values are not available, values have been considered in relation to laboratory detection limits.

4.2 Soil Inorganic Contamination

One sample of the Made Ground and fifteen samples of the natural strata were submitted for chemical testing for inorganic determinants.

None of the determinands tested exceeded their respective SSVs, protective of human health.

4.3 Soil Organic Contamination

Three samples of the Made Ground and twenty four samples of the natural strata were tested for speciated PAH and speciated TPH. Twenty three samples of the natural strata were also tested for VOC and SVOC compounds. Twelve samples of the natural strata were tested for TOC and two samples of the Made Ground tested for PCB analysis.

No elevated concentrations of the PAH compounds or TPH fractions tested were recorded in excess of their respective SSVs, protective of human health.

SVOC compounds were not recorded at concentrations in excess of their relevant SSVs or the laboratory detection limits, with the exception of perylene in a sample from WS23 at 1.00m bgl. The concentration recorded was 896µg/kg compared to the laboratory detection limit of 100µg/kg. Given the very low concentration recorded and its relatively low volatility, this is not considered to represent a significant risk to future site users.

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VOC compounds were not recorded at concentrations above their relevant SSVs or laboratory detection limits, with the exceptions of isopropylbenzene, n-propylbenzene, 124-trimethylbenzene, sec-butylbenzene and n-butylbenzene in WS31 at 2.50m and WS32 at 2.40m and 2.60m, and tert-butylbenzene in WS32 at 2.40m and 2.60m bgl.

A summary of the VOC compounds above the laboratory detection limit are listed below.

Table 1 – VOC Compounds Above the Laboratory Detection Limit

Contaminant	Detection Limit (µg/kg)	Hole ID	Depth (m bgl)	Stratum	Concentration (µg/kg)
Isopropylbenzne	1	WS31	2.5	River Terrace Deposits	3
		WS32	2.4	River Terrace Deposits	3
		WS32	2.6	Completely Weathered Chalk	10
N-propylbenzene	1	WS31	2.5	River Terrace Deposits	9
		WS32	2.4	River Terrace Deposits	8
		WS32	2.6	Completely Weathered Chalk	23
Tert-butylbenzene	2	WS32	2.4	River Terrace Deposits	5
		WS32	2.6	Completely Weathered Chalk	5
124-trimethylbenzene	1	WS31	2.5	River Terrace Deposits	19
		WS32	2.4	River Terrace Deposits	13
		WS32	2.6	Completely Weathered Chalk	33
sec-butylbenzene	1	WS31	2.5	River Terrace Deposits	23
		WS32	2.4	River Terrace Deposits	32
		WS32	2.6	Completely Weathered Chalk	61
n-butylbenzene	1	WS31	2.5	River Terrace Deposits	43
		WS32	2.4	River Terrace Deposits	54
		WS32	2.6	Completely Weathered Chalk	194

PCB compounds were not recorded at concentrations above their laboratory detection limit.

Total organic carbon (TOC) concentrations ranged from 0.05% w/w to 0.63% w/w.

Aliphatic and aromatic TPH compounds in the C8 to C16 range were recorded at concentrations in excess of their saturation limits in soils samples collected from boreholes WS20 at 2.5m, WS21 at 2.70m, WS31 at 2.50m and 2.70m, WS32 at 2.40m and 2.60m bgl and WS32 at 2.40m bgl. These are considered to pose a potential risk to groundwater beneath the site.

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A summary of the TPH compounds above the solubility saturation limit are listed below.

Table 2 – TPH Compounds Above Solubility Saturation Limits

Contaminant	Saturation Limit (mg/kg)	Hole ID	Depth (m bgl)	Stratum	Concentration (mg/kg)
Aliphatic C8 – C10	78	WS32	2.4	River Terrace Deposits	96
Aliphatic C10 – C12	48	WS21	2.7	Completely Weathered Chalk	97
		WS31	2.5	River Terrace Deposits	97
		WS31	2.7	Completely Weathered Chalk	80
		WS32	2.4	River Terrace Deposits	382
		WS32	2.6	Completely Weathered Chalk	75
Aliphatic C12 – C16	24	WS20	2.5	River Terrace Deposits	316
		WS21	2.7	Completely Weathered Chalk	273
		WS31	2.5	River Terrace Deposits	465
		WS31	2.7	Completely Weathered Chalk	276
		WS32	2.4	River Terrace Deposits	1370
		WS32	2.6	Completely Weathered Chalk	294
Aromatic C12 – C16	169	WS21	2.7	Completely Weathered Chalk	243
		WS31	2.5	River Terrace Deposits	300
		WS31	2.7	Completely Weathered Chalk	205
		WS32	2.4	River Terrace Deposits	998
		WS32	2.6	Completely Weathered Chalk	175

4.4 Groundwater Inorganic Contamination

Six groundwater samples (four from the superficial aquifer and two from the underlying bedrock aquifer) were submitted for chemical testing for inorganic determinants.

No elevated concentrations of the determinands tested were recorded in excess of the relevant WSVs with the exception of lead and nickel within the superficial aquifer in WS20. The concentration recorded for lead was 106 µg/l compared to the WSV of 10 µg/l. The concentration recorded for nickel was 61 µg/l compared to the WSV of 20 µg/l.

It is noteworthy that while the concentration of nickel exceeded the WSV presented within The Water Supply (Water Quality) Regulations 2018, it fell below the WSV of 70 µg/l presented within the WHO Guidelines for Drinking Water Quality.

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4.5 Groundwater Organic Contamination

Seven groundwater samples (five from the superficial aquifer and two from the underlying bedrock aquifer) were tested for the presence of organic determinands. Five were tested for speciated PAH, six were tested for speciated TPH, five were tested for SVOC and VOC.

Three samples tested for PAH recorded concentrations of total PAH marginally in excess of the WSV of 0.1 µg/l. A summary of the total TPH concentrations recorded is provided below.

Table 3 – PAH Compounds Above WSVs

Contaminant	WSV (µg/l)	Hole ID	Depth (m bgl)	Concentration (µg/l)
Total PAH	0.1	WS9	0.9	0.95
		WS20	3.0	0.23
		BH5	4.5	0.12

Aliphatic and aromatic TPH compounds in the C8 to C35 range were recorded at concentrations in excess of their laboratory detection limits in water samples collected from boreholes WS9, WS14, WS20 and BH5. A summary of the total TPH concentrations recorded are provided below.

Table 4 – TPH Compounds Above the Laboratory Detection Limit

Contaminant	Detection Limit (µg/l)	Hole ID	Depth (m bgl)	Concentration (µg/l)
Total TPH	10	WS9	0.9	78
		WS14	3.0	190
		WS20	2.5	74
		BH5	4.5	282

The concentrations of the compounds summarised above are not considered to be significantly elevated.

No concentrations of the SVOC or VOC determinands tested were recorded in excess of the relevant WSV or the laboratory detection limit.

Dissolved organic carbon (DOC) concentrations were recorded ranging from 9.8 mg/l to 24.7 mg/l.

5.0 Contamination Assessment

5.1 General

Based on the information obtained during the ground investigation and laboratory testing, the 'Conceptual Site Model' has been amended accordingly. The Conceptual Site Model is used as a basis to identify contamination sources, pathways and receptors and is subject to constant refinement as more information becomes available.

5.2 Environmental Setting & End Use

The ground investigation has identified up to 1.70m of Made Ground. The Made Ground was found to comprise 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.0m bgl. This was followed by weathered layers of the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl.

Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

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The information gathered during the intrusive investigations have not altered significantly from the Preliminary Risk Assessment carried out as part of the previous study. The superficial strata, classified as s Secondary A Aquifer and the underlying bedrock, classified as a Principal Aquifer remain the preliminary receptors of concern. As such, the environmental setting remains of 'moderate' sensitivity.

5.3 Revised Conceptual Site Model

The "suitable for use" approach is adopted for the assessment of contaminated land and remedial measures are only undertaken where unacceptable risk exists to human health or the environment. For a potential risk to be present there must be a viable pollutant linkage whereby a contamination source may impact upon a receptor.

Although contaminants of concern were recorded in groundwater sampled from beneath the site, concentrations were only marginally elevated above adopted assessment criteria. Furthermore, the site is not located within a groundwater SPZ and the nearest potable abstraction is indicated to be approximately 460m to the north. However, contaminants of concern recorded in groundwater beneath the site may pose a risk to the Langstone Mill Brook, present beyond the eastern boundary of the site.

TPH compounds were recorded in Made Ground and natural strata at concentrations in excess of their solubility limits in two hotspots in the positions of boreholes WS2 and WS19 to WS23, located in the west of the site and in the positions of boreholes WS5, WS29, WS31 and WS32, located in the southwest. The excavation and off-site disposal of TPH contaminated soils in these locations (including any impacted soils beneath tank bases in the southwest) will lead to the betterment of groundwater quality beneath the site and mitigate the potential risk to the adjacent Langstone Mill Brook. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected from the walls and base of the resulting excavations for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

A number of VOC and SVOC compounds were also recorded within samples collected from the natural strata in the hotspot locations discussed above. No published assessment criteria for these contaminants, protective of human health receptors, are currently available. However, it is considered that the removal of hydrocarbon impacted soils in these hotspots will effectively mitigate any potential risk to future site users.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

5.3.1 Summary of Remediation Recommendations

The mitigation measures discussed above should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).

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- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

6.0 Waste Characterisation

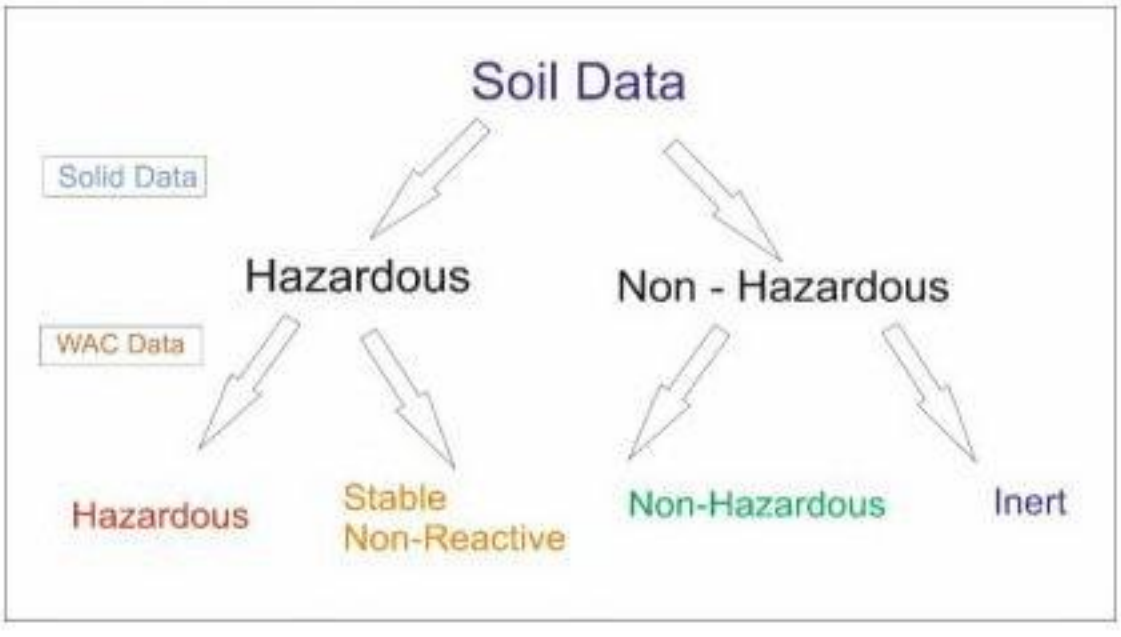
6.1 Assessment Criteria

It is likely that soil arisings generated through piling or any other excavation associated with the development will require removal from site, since there is limited potential for on-site re-use of this material. Should no suitable off site re-use options be available, disposal to landfill may need to be considered. However, if contaminated material is to be disposed of, use of soil treatment facilities should also be considered.

If disposal to landfill is required, the excavated material would be considered as waste and should be classified in line with the Hazardous Waste Directive - HWD, Council Directive 91/689/EC. This legislation divides waste into two categories, hazardous and non-hazardous. These two categories can then be subdivided into a number of classes relating to the type of landfill/cell to which the material can be sent; these are illustrated below.

In order to provide an indication of the likely waste characterisation of soils excavated from the site, should disposal be required, a waste characterisation exercise has been carried out. This is summarised in Sections 6.2 to 6.5 below. Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

6.1.1 Waste Characterisation Categories



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6.2 Soil Sampling and Testing

6.2.1 Solid Suite of Analysis

Chemical analysis was undertaken on 16 samples of Made Ground and 29 samples of natural soils. Soil samples were analysed for the following solid suite of analysis:

pH, arsenic, asbestos, boron, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, sulphide, sulphate, cyanide and PAH.

6.2.2 WAC Testing

Two samples of the natural soils were also submitted for the solid WAC suite of analysis.

The solid WAC suite of analysis included testing for the following determinands:

Total organic carbon (TOC), loss on ignition (LOI), BTEX, sum of PCBs, mineral oil and total PAH, acid neutralisation capacity and pH.

WAC single stage leachate analysis was also carried out on the above samples. The analysis included testing for the following determinands:

Arsenic, barium, cadmium, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium, zinc, chloride, fluoride, sulphate, total dissolved solids (TDS), phenol index and dissolved organic carbon.

All soil analysis and WAC results are provided in Appendix III.

6.3 Solid Soil Data

Results of the solid suite were analysed using HazWasteOnline Software which allows users to classify waste as defined in the EWC (European Waste Catalogue 2002) based on the regulatory framework for the Classification Labelling and Packaging of Substances and mixtures Regulation, (EC) No 172/2008 and the latest Environment Agency guidance (Technical Guidance WM3).

The results of the analysis show that one sample of Made Ground (from borehole WS02) and six samples of the natural soils (from boreholes WS05, WS21, WS31 and WS32) analysed would require disposal as hazardous waste, due to elevated concentrations of total petroleum hydrocarbons (TPH). The remaining 16 samples of Made Ground and 22 samples of the natural soils would be suitable for disposal as non-hazardous waste.

6.4 WAC Data

6.4.1 Solid Data

Two samples of the natural soils (WS24 at 1.30m bgl and WS29 at 0.80m bgl) were subject to the WAC solid suite of analysis.

Inert Waste thresholds were not exceeded in either sample.

6.4.2 Leachate Data

The samples of natural soil were also subject to the WAC leachate suite of analysis.

The sample from borehole WS24 exceeded the Inert Waste threshold for sulphate.

The sample from borehole WS29 exceeded the Inert Waste thresholds for lead and sulphate.

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6.5 Summary of Results

The results of the waste characterisation exercise are provided in Appendix IV and summarised in the table below.

Table 5 – Summary of Waste Characterisation Exercise

Position	Depth (m bgl)	Strata	Solid Suite of Analysis	Exceedance of Corresponding Inert, SNRHW and Hazardous waste WAC Limit Value?	WAC Analysis Results
BH01	0.60	Made Ground	**Non-Hazardous**	N/A	N/A
BH03	1.00	Made Ground	**Non-Hazardous**	N/A	N/A
BH04	1.10	Made Ground	**Non-Hazardous**	N/A	N/A
WS01	1.60	Natural Soils	**Non-Hazardous**	N/A	N/A
WS02	1.10	Made Ground	**Hazardous**	N/A	N/A
WS02	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS03	0.25	Made Ground	**Non-Hazardous**	N/A	N/A
WS04	1.80	Natural Soils	**Non-Hazardous**	N/A	N/A
WS05	2.60	Natural Soils	**Hazardous**	N/A	N/A
WS05	3.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS06	0.80	Made Ground	**Non-Hazardous**	N/A	N/A
WS07	1.40	Made Ground	**Non-Hazardous**	N/A	N/A
WS09	0.35	Made Ground	**Non-Hazardous**	N/A	N/A
WS09	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS10	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS11	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS14	0.90	Made Ground	**Non-Hazardous**	N/A	N/A
WS14	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS16	0.95	Made Ground	**Non-Hazardous**	N/A	N/A
WS18	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS20	0.40	Made Ground	**Non-Hazardous**	N/A	N/A
WS20	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS20	1.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS21	1.30	Natural Soils	**Hazardous**	N/A	N/A
WS21	2.70	Natural Soils	**Non-Hazardous**	N/A	N/A
WS23	1.00	Natural Soils	**Non-Hazardous**	N/A	N/A
WS24	1.30	Natural Soils	**Non-Hazardous**	Sulphate	**Non-Hazardous**
WS24	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS25	0.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS25	1.70	Natural Soils	**Non-Hazardous**	N/A	N/A
WS26	1.50	Natural Soils	**Non-Hazardous**	N/A	N/A
WS26	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS27	0.80	Natural Soils	**Non-Hazardous**	N/A	N/A
WS28	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A

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WS29	0.80	Natural Soils	**Non-Hazardous**	Lead, sulphate	**Non-Hazardous**
WS29	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS30	1.00	Natural Soils	**Hazardous**	N/A	N/A
WS31	2.50	Natural Soils	**Hazardous**	N/A	N/A
WS31	2.70	Natural Soils	**Hazardous**	N/A	N/A
WS32	2.60	Natural Soils	**Hazardous**	N/A	N/A
WS32	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
HTP1	0.50	Made Ground	**Non-Hazardous**	N/A	N/A
HTP3	0.40	Made Ground	**Non-Hazardous**	N/A	N/A
SA01	0.60	Made Ground	**Non-Hazardous**	N/A	N/A
SA02	0.70	Made Ground	**Non-Hazardous**	N/A	N/A

N/A – Additional WAC analysis not carried out on sample

Based on available information, it is considered likely that the majority of Made Ground and natural soils beneath the site would be suitable for disposal as Non-Hazardous Waste (other Made Ground than in the location of borehole WS02). Natural soils impacted by localised TPH contamination in the vicinity of boreholes WS05, WS21, WS31 and WS32 would require disposal to a Hazardous Waste landfill (if they needed to be removed from site).

Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

7.0 Geotechnical Assessment

7.1 General

It should be noted that this Section does not comprise or represent a Geotechnical Design Report (GDR) but instead provides preliminary information and recommendations based on the findings of the ground investigation.

The geotechnical section of the ground investigation was designed in general accordance with guidance presented in BS EN 1997-2:2007. The objective of the investigation was to obtain preliminary information in order to assess the geotechnical properties of the ground and confirm provided recommendations for foundation and infrastructure design.

All depths here are recorded as depth below ground level.

7.2 In-Situ Geotechnical Testing

In-situ standard penetration tests (SPTs) were carried out during window sample and cable percussion drilling at approximately 1.00m to 1.50m intervals in order to allow the assessment of ground conditions by establishing soil strength/density characteristics.

The SPTs carried out within the Made Ground recorded 'N' values of 6 and 12 indicating these to be in a loose to medium dense condition.

SPTs carried out within the shallow natural strata (River Terrace Deposits / Brickearth) ranged from 7 to in excess of 50. SPT 'N' values within the shallow natural strata (completely weathered chalk bedrock) ranged from 0 to in excess of 50 indicating both these soils to be in a very variable condition. In general, the SPT 'N' values in excess of 50 were encountered within bands with a higher flint gravel content.

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SPTs carried out in the chalk bedrock between 6.00m and 16.50m bgl recorded 'N' values ranging from 7 to 19. The SPT 'N' values from 18.0m to 19.5m were >50.

In accordance with CIRIA C574 'Engineering in Chalk', the SPT 'N' values indicate that the base of weathering within the chalk bedrock is 18.0m bgl.

The above records do not differ significantly from those encountered during previous investigations.

7.3 Waste Management

Arisings generated from excavations for foundations and service trenches etc. may be classified as waste and it is the responsibility of the holder of such material to form a view as to whether or not it constitutes waste.

Guidance on how this can be achieved is set out in the Development Industry Code of Practice (CoP) (CL:AIRE, March 2011).

The handling, re-use or disposal of waste materials is regulated by the Environment Agency, who take account of the CoP in determining if materials are classified as waste. If materials are dealt with in accordance with the CoP it is considered that they are unlikely to be waste at the point when they are used during development. This might be because the materials were never discarded or because they have been processed as part of a 'recovery' operation and therefore ceased to be waste.

Should site won material be intended for re-use on site, a Materials Management Plan will be required from a suitably qualified environmental consultant.

Reference should be made to the Waste Assessment Reports undertaken for the site as summarised in section 6.0 above.

8.0 Conclusions and Recommendations

The site has been found to be underlain by Made Ground comprising 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.00m bgl. This was followed by weathered layers of the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl.

Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

Although contaminants of concern were recorded in groundwater sampled from beneath the site, concentrations were only marginally elevated above adopted assessment criteria. Furthermore, the site is not located within a groundwater SPZ and the nearest potable abstraction is indicated to be approximately 460m to the north. However, contaminants of concern recorded in groundwater beneath the site may pose a risk to the Langstone Mill Brook, present beyond the eastern boundary of the site.

TPH compounds were recorded in Made Ground and natural strata at concentrations in excess of their solubility limits in two hotspots in the positions of boreholes WS2 and WS19 to WS23, located in the west of the site and in the positions of boreholes WS5, WS29, WS31 and WS32, located in the southwest. The excavation and off-site disposal of TPH contaminated soils in these locations (including any impacted soils beneath tank bases in the southwest) will lead to the betterment of groundwater quality beneath the site and mitigate the potential risk to the adjacent Langstone Mill Brook. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected from the walls and base of the resulting excavations for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

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No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

A number of VOC and SVOC compounds were also recorded within samples collected from the Made Ground in the hotspot locations discussed above. No published assessment criteria for these contaminants, protective of human health receptors, are currently available. However, it is considered that the removal of hydrocarbon impacted soils in these hotspots will effectively mitigate any potential risk to future site users.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

The mitigation measures discussed above should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).
- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

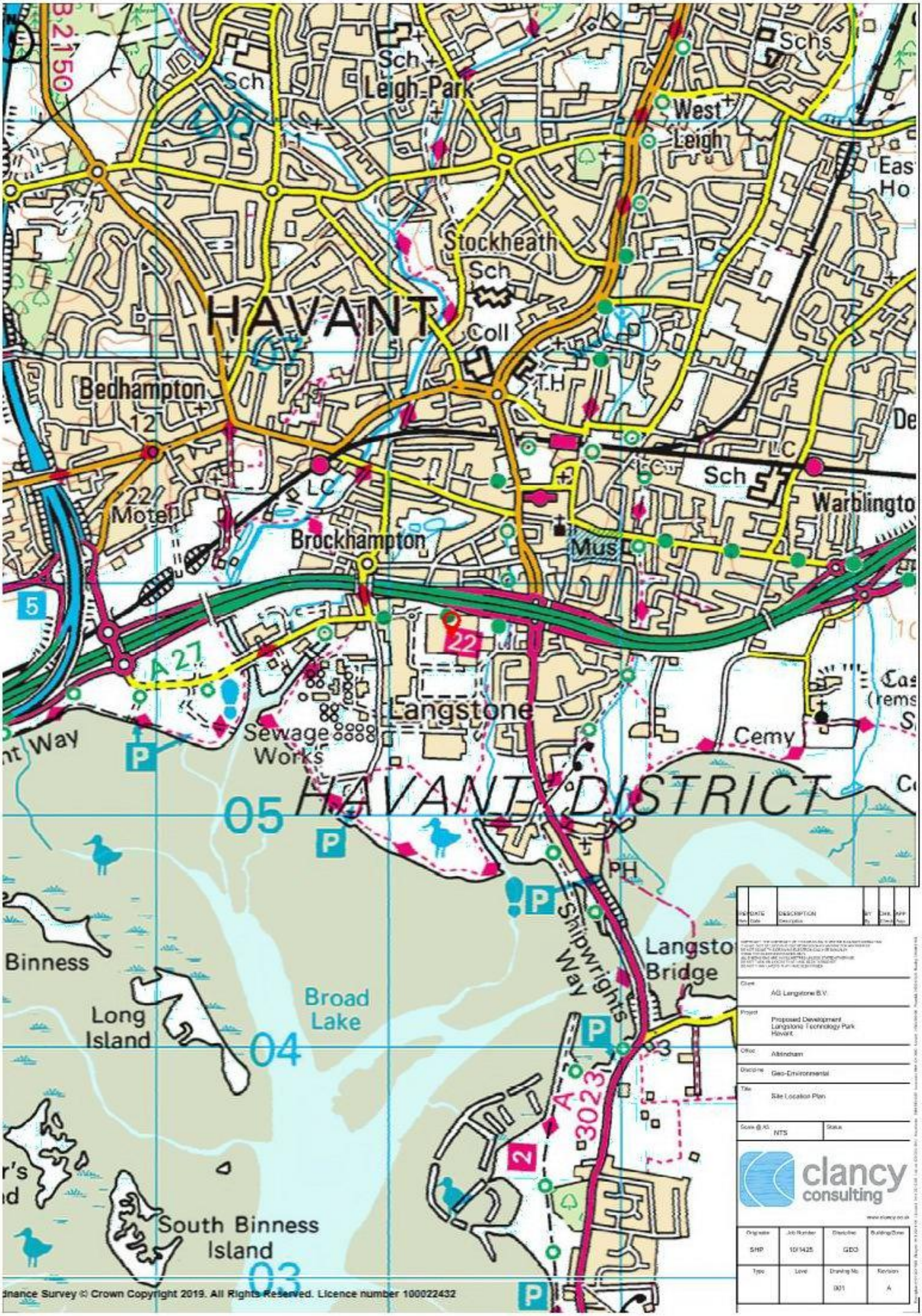
We would recommend that this report be submitted to the LPA at the earliest opportunity to seek their approval or further comments regarding the recommendations presented herein.

The above conclusions and recommendations are based on the sites proposed development comprising new commercial units with associated car parking and landscaped areas. Should the proposed end use change it will be necessary to amend the conclusions accordingly. The report also assumed that the final site levels will not be significantly altered.

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APPENDIX I

DRAWINGS



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No	DATE	DESCRIPTION	BY	CHK	APP

Client: AG Langstone B.V.

Project: Proposed Development Langstone Technology Park Havant

Office: Altrincham

Discipline: Geo-Environmental

Title: Site Location Plan

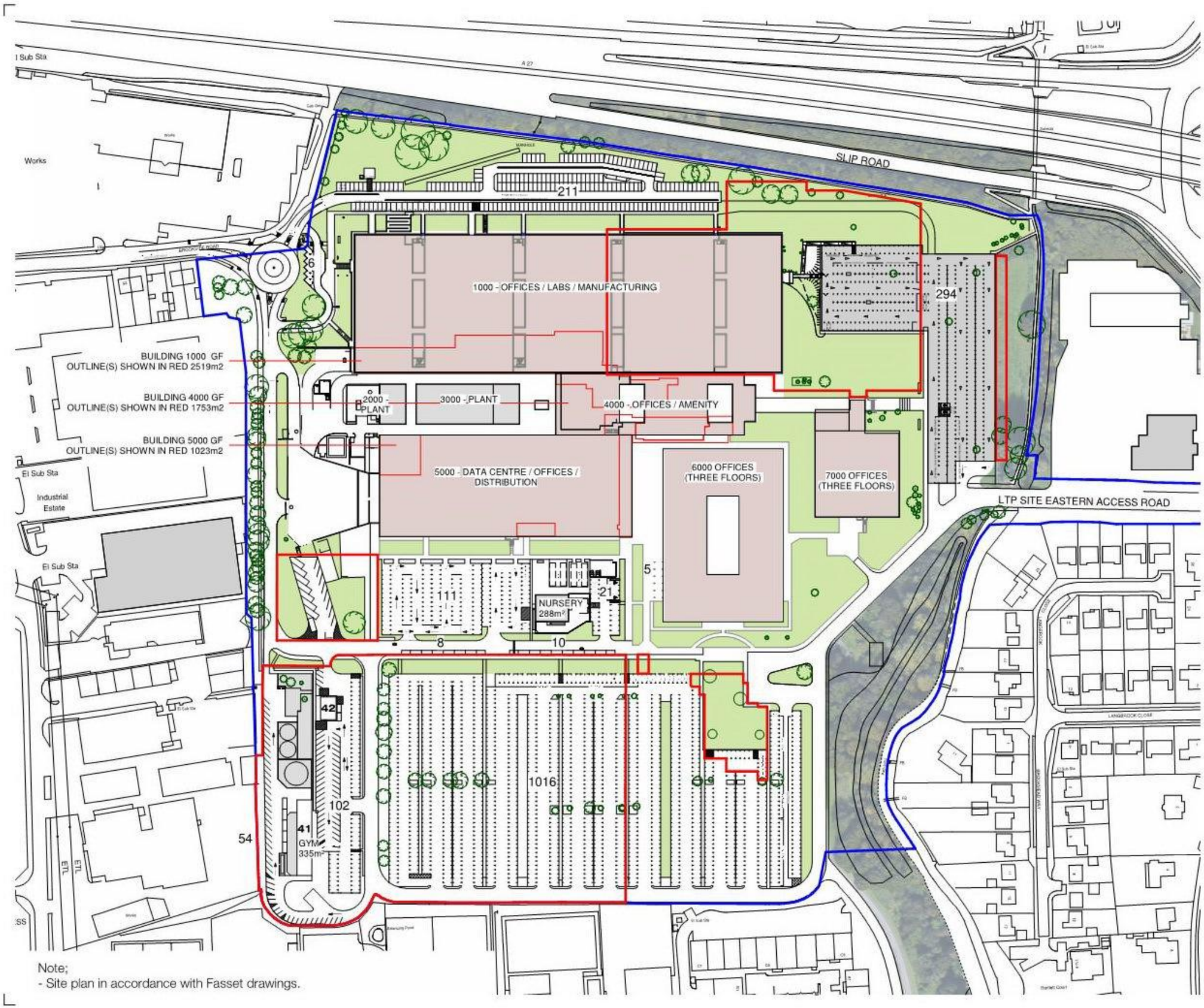
Scale @ A3: NTS

Status:

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Originator	Job Number	Discipline	Building/Zone
SHP	101425	GEO	
Type	**Level**	**Drawing No.**	**Revision**
		001	A



Note;
- Site plan in accordance with Fasset drawings.

Notes

This drawing may be scaled for the purposes of Planning Applications, Land Registry and for Legal plans where the scale bar is used, and where it verifies that the drawing is an original or an accurate copy. It may not be scaled for construction purposes.
Always refer to figured dimensions. All dimensions are to be checked on site. Discrepancies and/or ambiguities between this drawing and information given elsewhere must be reported immediately to this office for clarification before proceeding. All drawings are to be read in conjunction with the specification and all works to be carried out in accordance with latest British Standards / Codes of Practice.

Rev	Date	Init	Notes
F	27.06.19	CJ	Redline updated to coordinate with topo
E	14.05.19	CJ	Application Area Updated

North

20 0 20 40 60 80 100
SCALE 1:2000 m

Client

Drawing Originator

AWW inspired environments
London - 106 Weston Street London SE1 3QB 020 7160 6000
Bristol - Rivergate House, Bristol, BS1 6LS 0117 923 2535
Plymouth - East Quay House, Plymouth, PL4 0HX 01752 261 282
RIBA Chartered Practice www.aww-uk.com

Project Title
Langstone Technology Park

Drawing Title
Existing Site Plan

Scale	Sheet	Drawn	Checked	Date
1 : 2000	A3	CJ	IJ	10.12.19

Status	Project No.	
PLANNING	4046	
Drawing Reference	Drawing No.	Revision
	0105	F

SLIP ROAD

WINDMILL ROAD

LTP SITE EASTERN AC

LANGSTONE WAY

BROOKMEAD WAY

WS8
SA2
WS7
BH4
HTP4
WS6
WS20
WS2
WS22
WS23
WS19
WS21
HTP2
HTP1
WS1
BH2
BH1A
BH1
WS3
WS18
WS30
42
WS25
WS31
SA1
WS24
WS14
WS5
BH6
HTP3
WS13
WS12
WS9
WS32
WS28
WS17
WS15
WS29
41
WS26
WS4
BH5
WS11
WS27
BH3
WS16
WS10

Key

- Cable Percussive Borehole (Aug 2019)
- Window Sample Borehole (Aug 2019)
- Hand Excavated Trial Pit (Aug 2019)
- Soakaway Test Trial Pit (Aug 2019)
- Window Sample Borehole (July 2020)
- Cable Percussive Borehole (July 2020)

Rev	Date	Description	By	Check	App
A	Aug 2020	Exploratory Hole Location Plan	DH	SHP	NR

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DO NOT THAW LAYERS THAT HAVE BEEN FROZEN.

Client	AG Langstone B.V.
Project	Langstone Technology Park Havant
Office	Altrincham
Discipline	Geo-Environmental
Title	Exploratory Hole Location Plan
Scale @ A3	NTS
Status	

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Originator	Job Number	Discipline	Building/Zone
DH	10/1425	GEO	-
Type	**Level**	**Drawing No.**	**Revision**
GA	00	02	B

APPENDIX II

EXPLORATORY HOLE LOGS

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH5**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 3
	GL (mAOD):	N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
					0.60	MADE GROUND: Brownish grey gravelly sand. Gravel is sub-angular fine to coarse of macadam, brick, flint and sandstone.		
1.20 - 1.65	SPT	N=7			1.00	Loose brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint. With a low cobble content of flint.		
2.00 - 2.45	SPT	N=12			2.00		▼	
3.00 - 3.45	SPT	N=14			3.00		▼	
4.00 - 4.45	SPT	N=8			4.00	Grey gravelly clayey SILT. Gravel is sub-rounded fine to coarse of chalk.		
5.00 - 5.45	SPT	N=12			5.00			
					5.30	Firm brown gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.	▽	
					5.80			
6.00 - 6.45	SPT	N=8			6.00	CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
7.50 - 7.95	SPT	N=7			7.00			
					8.00	Borehole Continues		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant	**BH5**
	Project Number: 10/1425 / Client: AG Langstone B.V.	Sheet 2 Of 3
	GL (mAOD): / N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion / Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
						CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
9.00 - 9.45	SPT	N=14			9.00			
					10.00			
10.50 - 10.95	SPT	N=10						
					11.00			
12.00 - 12.45	SPT	N=12			12.00			
					13.00			
13.50 - 13.95	SPT	N=11						
					14.00			
15.00 - 15.45	SPT	N=11			15.00			
					16.00	Borehole Continues		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH5**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 3 Of 3
	GL (mAOD):	N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
16.50 - 16.95	SPT	N=19			16.50	CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					17.00	CHALK recovered as whitish cream silty sub-angular fine to medium GRAVEL of chalk.		
18.00 - 18.43	SPT	pp 50/280mm			18.00			
					19.00			
19.50 - 19.87	SPT	pp 50/215mm			19.87			
					20.00	End Of Borehole At 19.87 m		
					21.00			
					22.00			
					23.00			
					24.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths			Chiselling		
Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH6**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 2
	GL (mAOD):	N Coord: 50.845156	E Coord: -0.991243
Date: 29/07/2020-30/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
					0.60	MADE GROUND: Brownish grey gravelly sand. Gravel is sub-angular fine to coarse of macadam, brick, flint and sandstone.		
					1.00	Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint. With a low cobble content of flint.		
					2.00			
					3.00			
					4.00	Grey gravelly clayey SILT. Gravel is sub-rounded fine to coarse of chalk.		
					5.00			
					6.00	CHALK recovered as yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					7.00			
					8.00	Borehole Continues		

KEY

D - Disturbed Sample
B - Bulk Sample
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W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	6	5.50		4.50	

Daily Log Of Depths			Chiselling		
Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH6**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 2 Of 2
	GL (mAOD):	N Coord: 50.845156	E Coord: -0.991243
Date: 29/07/2020-30/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
						CHALK recovered as yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					9.00			
					10.00	End Of Borehole At 10.00 m		
					11.00			
					12.00			
					13.00			
					14.00			
					15.00			
					16.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	6	5.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS09**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845208	E Coord: -0.98754
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.35	ES				0.20	MADE GROUND: Macadam.		
0.70	ES				0.30	MADE GROUND: Black mottled grey sub-angular medium to coarse gravel of macadam, sandstone and limestone.		
1.20 - 1.65	SPT	N=22			0.60	MADE GROUND: Reddish brown gravelly slightly clayey fine to coarse sand. Gravel is sub-angular fine to coarse of brick, clinker and macadam.		
1.70	ES				0.90			
2.00 - 2.45	SPT	N=30			1.00	Dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
2.30	ES				1.60			
2.70	ES				1.80	Firm brown slightly gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
3.00 - 3.39	SPT	pp 50/240mm			2.00			
					3.00	Medium dense dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					3.39	Firm brown slightly gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
					4.00	medium dense dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					5.00	End Of Borehole At 3.39 m		
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2.7	2.00	30		

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS10**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.844605	E Coord: -0.987763
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES				0.15	MADE GROUND: Macadam		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

WS11

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.844837

E Coord: -0.988023

Date: 27/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Depth (m)	Description	Water	Standpipe
0.30	ES			0.15	MADE GROUND: Macadam		
				0.40	MADE GROUND: Reddish brown gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone and brick.		
0.90	ES			1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.51	SPT	pp 50/160mm		1.51	End Of Borehole At 1.51 m		
				2.00			
				3.00			
				4.00			
				5.00			
				6.00			
				7.00			
				8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

WS12

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.845083

E Coord: -0.988321

Date: 27/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.15	MADE GROUND: Macadam		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.59	SPT	pp 50/235mm			1.59	End Of Borehole At 1.59 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS13**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845132	E Coord: -0.989115
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES				0.15	MADE GROUND: Macadam		
0.70	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant	**WS14**
	Project Number: 10/1425 / Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD): / N Coord: 50.845383	E Coord: -0.989391
Date: 28/07/2020	Method: Window Sampler / Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Depth (m)	Description	Water	Standpipe
0.40	ES		0.15	MADE GROUND: Macadam.		
0.90	ES		1.00	MADE GROUND: Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint with a low cobble content of flint.		
1.20 - 1.65	SPT	N=6	1.10	MADE GROUND: Brown organic slightly gravelly clayey fine to coarse sand. Gravel is sub-angular fine to coarse of brick and flint.		
1.40	ES		1.50	MADE GROUND: Grey slightly sandy gravelly clay. Gravel is sub-angular fine to coarse of flint and brick fragments.		
2.00 - 2.45	SPT	N=5	1.70	Firm orangish brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.10	ES		2.00	Soft dark greyish brown gravelly loamy slightly sandy CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk. With decaying roots and rootlets (relic topsoil).		
2.40	ES		2.60	Loose light grey mottled cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk. 3.00 - 3.60 Grading to a silty sand.		
3.00 - 3.45	SPT	N=11	3.00	Very dense light grey mottled cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.		
3.10	ES		3.60	End Of Borehole At 4.38 m		
4.00 - 4.38	SPT	pp 50/230mm	4.00			
			4.38			
			5.00			
			6.00			
			7.00			
			8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
28/07/2020	2.1	2.00			

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

WS15

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.845107

E Coord: -0.989925

Date: 28/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.15	MADE GROUND: Macadam		
0.80	ES					Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.00			
					1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS16**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.844746	E Coord: -0.990435
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES				0.15	MADE GROUND: Macadam		
0.95	ES				0.60	MADE GROUND: Brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint.		
1.20 - 1.65	SPT	N=45			1.00	Dense becoming very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.70 - 2.08	SPT	pp 50/230mm			2.00 2.08	End Of Borehole At 2.08 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS17**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845164	E Coord: -0.990687
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam		
0.50	ES				0.60	MADE GROUND: Brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint.		
1.10	ES				1.00			
1.20 - 1.58	SPT	pp 50/230mm			1.58	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
					2.00	End Of Borehole At 1.58 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

WS18

Project Number: 10/1425 | Client: AG Langstone B.V. | Sheet 1 Of 1

GL (mAOD): | N Coord: 50.845659 | E Coord: -0.989957

Date: 28/07/2020 | Method: Window Sampler | Driller: WB Drilling | Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam		
0.60	ES				0.70	Orangish brown sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.10	ES				1.00			
1.20 - 1.65	SPT	N=11			1.30	Loose brown sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.70	ES					Firm becomign very soft brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.00 - 2.45	SPT	N=0			2.00		▼	
2.30	ES				2.20		▽	
						Very loose cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk (very few returns).		
3.00 - 3.45	SPT	N=6			3.00			
					3.45	End Of Borehole At 3.45 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.20m bgl. Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
28/07/2020	2.2	2.00			

Daily Log Of Depths | Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

WS19

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.846027

E Coord: -0.990892

Date: 28/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES				0.80	MADE GROUND: Grass over brown sandy slightly clayey sub-angular to sub-rounded fine to coarse gravel of flint with fragments of brick. Common roots and rootlets.		
0.90	ES				1.00	Firm dark brown mottled black sandy silty CLAY with olfactory evidence of hydrocarbons.		
1.20 - 1.65	SPT	N=15						
1.70	ES							
2.00 - 2.45	SPT	N=20			2.00			
2.30	ES				2.10	Firm brown very gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.80	ES				2.80			
2.90	ES							
3.00 - 3.45	SPT	N=13			3.00	Loose yellowish brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint (Few returns).		
4.00 - 4.45	SPT	N=7			4.00			
					4.45	End Of Borehole At 4.45 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.80m bgl. Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
29/07/2020	2.8	2.50			

Daily Log Of Depths

Chiselling

Date	Casing	Water	From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant

WS20

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.84617

E Coord: -0.990908

Date: 29/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.50	ES				0.80	MADE GROUND: Grass over brown sandy slightly clayey sub-angular to sub-rounded fine to coarse gravel of flint with fragments of brick.		
0.90	ES				1.00	Firm grey gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk. Olfactory evidence of hydrocarbon contamination		
1.20 - 1.65	SPT	N=9			1.70			
1.30	ES							
1.90	ES				2.00	Firm brown gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk.		
2.00 - 2.45	SPT	N=1						
2.40	ES							
3.00 - 3.45	SPT	N=8			3.00			
4.00 - 4.45	SPT	N=11			4.00			
					4.45	End Of Borehole At 4.45 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.40m bgl. Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
29/07/2020	2.4	2.10			

Daily Log Of Depths

Chiselling

Date	Casing	Water	From	To	Hours

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Project Title: Langstone Technology Park, Havant		**WS21**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845989	E Coord: -0.991069
Date: 29/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.10	MADE GROUND: Macadam		
0.70	ES				0.90	MADE GROUND: Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint.		
1.20 - 1.65	SPT	N=12			1.00	MADE GROUND: Dark brown mottled black slightly sandy gravelly clay. Gravel is sub-angular to sub-rounded fine to coarse of flint with fragments of brick. Olfactory evidence of hydrocarbon contamination. .		
1.30	ES				1.40			
1.70	ES							
2.00 - 2.45	SPT	N=24			2.00	Firm yellowish brown sandy gravelly SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint.	▼	
2.70	ES					Sitff cream sandy gravelly SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
3.00 - 3.45	SPT	N=23			3.00	2.20 - 2.40 Slight olfactory evidence of hydrocarbons.		
					3.45	End Of Borehole At 3.45 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.20m bgl. Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
05/08/2020	2.2	2.20			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant

WS22

Project Number: 10/1425

Client: AG Langstone B.V.

Sheet 1 Of 1

GL (mAOD):

N Coord: 50.846169

E Coord: -0.991101

Date: 27/07/2020

Method: Window Sampler

Driller: WB Drilling

Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.60	MADE GROUND: Grass over brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint with brick fragments.		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS23**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.846037	E Coord: -0.990712
Date: 29/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.50	ES				0.60	MADE GROUND: Grass over brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint with brick fragments.		
1.00	ES				1.00			
1.20 - 1.58	SPT	pp 50/230mm			1.58	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
					2.00	End Of Borehole At 1.58 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant		**WS24**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.84549	E Coord: -0.988609
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
0.40	ES					Medium dense brown sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
0.90	ES				1.00			
1.20 - 1.65	SPT	N=20						
1.30	ES				1.70			
1.80	ES					Firm cream slightly sandy very gravelly CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk.	▼	
2.00 - 2.45	SPT	N=11			2.00			
2.30	ES					Firm yellowish brown slightly gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
					2.60			
3.00 - 3.45	SPT	N=11			3.00	Loose yellowish brown slightly sandy silty clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					3.45	End Of Borehole At 3.45 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to unstable sides. Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
06/08/2020	2				

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant		**WS25**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845607	E Coord: -0.99105
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
0.40	ES				0.41	MADE GROUND: Brown sandy sub-angular to sub-rounded fine to coarse gravel of flint, sandstone and macadam.		
0.90	ES				1.00	Firm brown slightly sandy silty CLAY.		
1.20 - 1.65	SPT	N=41						
1.30	ES				1.50			
1.70	ES	pp 50/230mm				Firm brown slightly sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.70 - 2.08	SPT				2.00 2.08	End Of Borehole At 2.08 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant

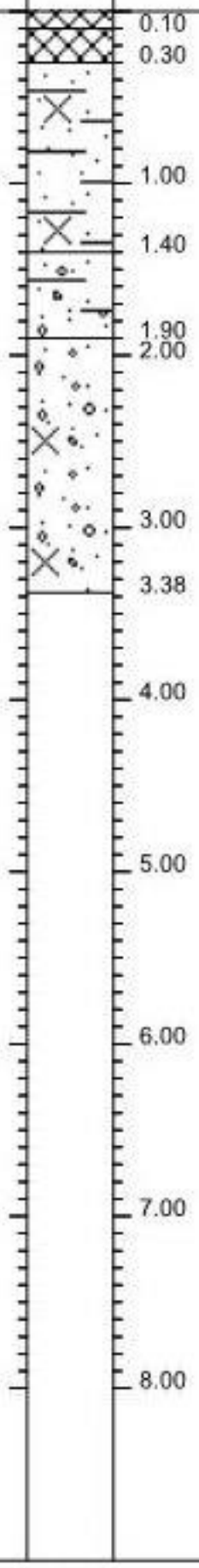
WS26

Project Number: 10/1425 | Client: AG Langstone B.V. | Sheet 1 Of 1

GL (mAOD): | N Coord: 50.844913 | E Coord: -0.990999

Date: 30/07/2020 | Method: Window Sampler | Driller: WB Drilling | Logged By: DH

Depth (m)	Type	Test Result
0.20	ES	
0.70	ES	
1.20 - 1.65	SPT	N=21
1.30	ES	
1.50	ES	
2.00 - 2.45	SPT	N=16
2.30	ES	
3.00 - 3.38	SPT	pp 50/230mm



Depth (m)	Description
0.10	MADE GROUND: Macadam.
0.30	MADE GROUND: Yellowish brown sandy sub-angular fine to coarse gravel of flint, sandstone and macadam.
1.00	Firm brown sandy silty CLAY.
1.40	Firm brown gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.
1.90	Medium dense becoming very dense cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint, chalk and shell fragments.
2.00	
3.00	
3.38	End Of Borehole At 3.38 m

Water | Standpipe

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
06/08/2020	2				

Daily Log Of Depths | Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS27**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.84471	E Coord: -0.991543
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Grass over brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint with brick fragments.		
0.80	ES					Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.20 - 1.65	SPT	N=17			1.00			
1.70 - 2.09	SPT	pp 50/235mm			2.00			
					2.09	End Of Borehole At 2.09 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

	Project Title: Langstone Technology Park, Havant		**WS28**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.845172	E Coord: -0.991498
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam.		
0.70	ES					Brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.00	ES				0.90 1.00			
1.20 - 1.65	SPT	N=11				Firm brown slightly sandy slightly silty gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.90	ES							
2.00 - 2.45	SPT	N=46			2.00 2.10			
2.30	ES					Very dense cream sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.	▼	
2.80 - 3.11	SPT	pp 50/160mm			3.00 3.11			
						End Of Borehole At 3.11 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
30/07/2020	2.4	2.40			

Daily Log Of Depths / Chiselling

Date	Casing	Water	From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant

WS29

Project Number: 10/1425 | Client: AG Langstone B.V. | Sheet 1 Of 1

GL (mAOD): | N Coord: 50.845094 | E Coord: -0.991613

Date: 30/07/2020 | Method: Window Sampler | Driller: WB Drilling | Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.20	MADE GROUND: Macadam.		
0.40	ES				0.60	Brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
0.80	ES				1.00	Firm grey mottled black slightly sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.20 - 1.65	SPT	N=21			1.20	0.60 - 0.90 Strong olfactory evidence of hydrocarbon contamination.		
1.30	ES							
2.00 - 2.38	SPT	pp 50/230mm			2.00	Very dense cream sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.	▼	
2.40	ES							
					2.90			
					3.00	End Of Borehole At 2.90 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to SPT refusal, borehole cleared out to 2.9m bgl to facilitate instalation with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
30/07/2020	2	2.00			

Daily Log Of Depths | Chiselling

Date	Casing	Water	From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS30**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845528	E Coord: -0.991605
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam.		
					0.29	MADE GROUND: Concrete.		
					0.50	MADE GROUND: Brown gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse gravel of sandstone, macadam with brick fragments.		
1.00	ES				1.00			
1.20 - 1.51	SPT	pp 50/165mm			1.51	Very dense brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					2.00	End Of Borehole At 1.51 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS31**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845406	E Coord: -0.991594
Date: 31/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam		
					0.40	MADE GROUND: Brown gravelly fine to coarse sand. Gravel is sub-angular fine to coarse of sandstone, macadam and brick.		
0.90	ES				1.00	Brown clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint. With a low cobble content of sub-angular flint.		
1.20 - 1.65	SPT	N=33			1.10			
1.50	ES				1.40	Firm dark greyish brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.00 - 2.45	SPT	N=22			2.00			
					2.40	Firm brown slightly gravelly clay. Gravel is sub-angular to sub-rounded fine to coarse of flint.	▼	
2.50	ES				2.60	Grey sandy gravelly SILT. Gravel is sub-angular fine to coarse of flint. Strong visual and olfactory evidence of hydrocarbon contamination.		
2.70	ES							
3.00 - 3.38	SPT	pp 50/230mm			3.00			
					3.38	Very dense white sandy sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint.		
					4.00	End Of Borehole At 3.38 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
31/07/2020	2.4	2.40			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

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clancy consulting

Project Title: Langstone Technology Park, Havant

WS32

Project Number: 10/1425 | Client: AG Langstone B.V. | Sheet 1 Of 1

GL (mAOD): | N Coord: 50.845334 | E Coord: -0.991605

Date: 31/07/2020 | Method: Window Sampler | Driller: WB Drilling | Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.20	MADE GROUND: Macadam		
0.70	ES				0.90	Brown clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint. With a low cobble content of sub-angular flint.		
					1.00			
1.20 - 1.65	SPT	N=20				Firm brown sandy CLAY.		
1.40	ES							
2.00 - 2.45	SPT	N=11			2.00			
2.40	ES				2.30			
2.60	ES				2.50	Grey sandy gravelly SILT. Gravel is sub-angular fine to coarse of flint. Strong visual and olfactory evidence of hydrocarbon contamination.		
2.80 - 3.18	SPT	pp 50/235mm			3.00			
					3.18	Very dense white sandy sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint.		
						End Of Borehole At 3.18 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
31/07/2020	2.3	2.50			

Daily Log Of Depths | **Chiselling**

Date	Casing	Water	From	To	Hours

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APPENDIX III

CHEMICAL LABORATORY

TEST RESULTS

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/06587
Issue Number: 1 **Date:** 26 August, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Daniel Hoyle
Project Name: Langstone Technology Park
Project Ref: 10/1425
Order No: 28793
Date Samples Received: 06/08/20
Date Instructions Received: 10/08/20
Date Analysis Completed: 26/08/20

Prepared by:

[redacted]
Sophie France
Client Service Manager

Approved by:

[redacted]
Richard Wong
Client Manager

mCERTS
UKAS TESTING
1247

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/1	20/06587/4	20/06587/6	20/06587/9	20/06587/18	20/06587/20	20/06587/25	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS9	WS10	WS11	WS14	WS14	WS16			
Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	43.9	28.9	16.9	% w/w	0.1	A-T-044
pH$_D$[M#]	7.52	-	-	-	-	7.88	-	pH	0.01	A-T-031s
Arsenic$_D$[M#]	<1	-	-	-	-	<1	-	mg/kg	1	A-T-024s
Beryllium$_D$[#]	1.0	-	-	-	-	<0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	-	-	-	<1.0	-	mg/kg	1	A-T-037s
Cadmium$_D$[M#]	0.8	-	-	-	-	<0.5	-	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	17	-	-	-	-	6	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	-	-	-	<1	-	mg/kg	1	A-T-048s
Lead$_D$[M#]	14	-	-	-	-	6	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	-	-	-	-	2.15	-	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	18	-	-	-	-	11	-	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	-	-	-	-	1	-	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	41	-	-	-	-	21	-	mg/kg	1	A-T-024s
Zinc$_D$[M#]	63	-	-	-	-	20	-	mg/kg	5	A-T-024s

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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.10	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.10	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.12	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.14	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.11	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	0.91	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
SVOC										
Hexachlorobenzene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	<500	<500	<500	-	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	<500	<500	<500	-	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s

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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
Hexachlorocyclopentadiene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s

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Client Sample ID	WS9	WS9	WS10	WS11	WS14	WS14	WS16			
Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
VOC										
Dichlorodifluoromethane$_{A}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Chloromethane$_{A}$	-	<10	<10	<10	-	<10	<10	µg/kg	10	A-T-006a
Vinyl Chloride (Chloroethene)$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromomethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Chloroethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Trichlorofluoromethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Carbon Disulphide$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Dichloromethane$_{A}$	-	<5	<5	<5	-	<5	<5	µg/kg	5	A-T-006a
trans 1,2-Dichloroethene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
cis 1,2-Dichloroethene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
2,2-Dichloropropane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromochloromethane$_{A}^{S}$	-	<5	<5	<5	-	<5	<5	µg/kg	5	A-T-006a
Chloroform$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,1-Trichloroethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloropropene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Carbon Tetrachloride$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloroethane$_{A}^{S}$	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006a
Benzene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Trichloroethene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloropropane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Dibromomethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromodichloromethane$_{A}^{S}$	-	<10	<10	<10	-	<10	<10	µg/kg	10	A-T-006a
cis 1,3-Dichloropropene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Toluene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
trans 1,3-Dichloropropene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,2-Trichloroethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3-Dichloropropane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Tetrachloroethene$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Dibromochloromethane$_{A}^{S}$	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006a
1,2-Dibromoethane$_{A}^{S}$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a

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Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
Chlorobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,1,2-Tetrachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Ethylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
m & p Xylene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
o-Xylene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Styrene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromoform$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Isopropylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,2,2-Tetrachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichloropropane$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
n-Propylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
2-Chlorotoluene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3,5-Trimethylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
4-Chlorotoluene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
tert-Butylbenzene$_A^\#$	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trimethylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
sec-Butylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
4-Isopropyltoluene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3-Dichlorobenzene$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,4-Dichlorobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
n-Butylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dichlorobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trichlorobenzene$_A$	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006a
Hexachlorobutadiene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichlorobenzene$_A$	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006a

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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
TPH CWG										
Ali >C5-C6$_A^{\#}$	-	<0.02	<0.02	<0.02	-	<0.02	<0.02	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{MU}$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{MU}$	-	<1	<1	1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{MU}$	-	<1	<1	3	-	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	19	2	23	-	6	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	19	2	27	-	6	2	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{MU}$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{MU}$	-	3	<1	1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{MU}$	-	10	<1	3	-	8	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	14	<1	4	-	8	<1	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	33	2	31	-	13	2	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
% Stones >10mm$_A$	<0.1	<0.1	6.0	20.2	0.6	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$[M#]	8.48	-	7.71	8.72	-	8.71	-	pH	0.01	A-T-031s
Total Organic Carbon$_D$[M#]	0.19	-	-	-	-	0.12	-	% w/w	0.03	A-T-032s
Arsenic$_D$[M#]	1	-	2	<1	-	2	-	mg/kg	1	A-T-024s
Beryllium$_D$[S]	<0.5	-	0.6	<0.5	-	0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	<1.0	<1.0	-	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	<0.5	-	0.8	<0.5	-	0.6	-	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	4	-	19	4	-	9	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	<1	<1	-	<1	-	mg/kg	1	A-T-048s
Lead$_D$[M#]	5	-	43	2	-	6	-	mg/kg	1	A-T-024s
Mercury$_D$	2.82	-	<0.17	5.03	-	2.70	-	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	5	-	13	4	-	39	-	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	-	<1	<1	-	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	8	-	31	6	-	19	-	mg/kg	1	A-T-024s
Zinc$_D$[M#]	14	-	54	12	-	19	-	mg/kg	5	A-T-024s

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Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	0.03	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	-	<0.02	<0.02	<0.02	<0.02	0.03	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.29	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.35	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	-	<0.05	<0.05	<0.05	<0.05	0.56	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	-	<0.05	<0.05	<0.05	<0.05	0.23	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	-	<0.07	<0.07	<0.07	<0.07	0.17	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	-	<0.06	<0.06	<0.06	<0.06	0.38	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.07	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	-	<0.08	<0.08	<0.08	<0.08	0.33	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	0.02	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	<0.03	0.29	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	0.04	0.08	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	-	<0.07	<0.07	<0.07	<0.07	0.27	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	-	<0.08	<0.08	<0.08	0.09	3.05	mg/kg	0.01	A-T-019s

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Speciated PCB-WHO12										
PCB BZ 81$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 105$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 114$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 118$_A$[SS]	-	<0.007	-	-	-	-	-	mg/kg	0.007	A-T-004a
PCB BZ 123$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 126$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 156$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 157$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 167$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 169$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 189$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 77$_A$	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004a
Total Speciated PCB-WHO12$_A$	-	<0.007	-	-	-	-	-	mg/kg	0.005	A-T-004a

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
SVOC										
Hexachlorobenzene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-	<100	-	<500	149	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-	<500	-	<2500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-	<500	-	<2500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Hexachlorocyclopentadiene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052a
Perylene$_A$	<100	-	-	<100	-	<500	896	µg/kg	100	A-T-052a

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
VOC										
Dichlorodifluoromethane$_{A}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Chloromethane$_{A}$	<10	-	-	<10	-	<10	<10	µg/kg	10	A-T-006a
Vinyl Chloride (Chloroethene)$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromomethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Chloroethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Trichlorofluoromethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Carbon Disulphide$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Dichloromethane$_{A}$	<5	-	-	<5	-	<5	<5	µg/kg	5	A-T-006a
trans 1,2-Dichloroethene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
cis 1,2-Dichloroethene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
2,2-Dichloropropane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromochloromethane$_{A}^{S}$	<5	-	-	<5	-	<5	<5	µg/kg	5	A-T-006a
Chloroform$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,1-Trichloroethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloropropene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Carbon Tetrachloride$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloroethane$_{A}^{S}$	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006a
Benzene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Trichloroethene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloropropane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Dibromomethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromodichloromethane$_{A}^{S}$	<10	-	-	<10	-	<10	<10	µg/kg	10	A-T-006a
cis 1,3-Dichloropropene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Toluene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
trans 1,3-Dichloropropene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,2-Trichloroethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3-Dichloropropane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Tetrachloroethene$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Dibromochloromethane$_{A}^{S}$	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006a
1,2-Dibromoethane$_{A}^{S}$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a

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Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Chlorobenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,1,2-Tetrachloroethane$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Ethylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
m & p Xylene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
o-Xylene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Styrene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromoform$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Isopropylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,1,2,2-Tetrachloroethane$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichloropropane$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
Bromobenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
n-Propylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
2-Chlorotoluene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3,5-Trimethylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
4-Chlorotoluene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
tert-Butylbenzene$_A^\#$	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trimethylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
sec-Butylbenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
4-Isopropyltoluene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,3-Dichlorobenzene$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,4-Dichlorobenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
n-Butylbenzene$_A^\#$	<1	-	-	<1	-	8	<1	µg/kg	1	A-T-006a
1,2-Dichlorobenzene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trichlorobenzene$_A$	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006a
Hexachlorobutadiene$_A^\#$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichlorobenzene$_A$	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006a

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Client Project Name: Langstone Technology Park

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Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.02	-	-	<0.02	<0.02	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	-	<0.01	<0.01	0.02	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-	<1	<1	25	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{MF}$	<1	-	-	<1	3	97	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{MF}$	<1	-	-	<1	6	273	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{MF}$	<1	-	-	<1	4	200	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	-	-	<1	2	23	12	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	-	-	<1	15	618	12	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-	<1	<1	16	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{MF}$	<1	-	-	<1	3	63	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	-	<1	8	243	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{MF}$	<1	-	-	<1	4	141	3	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{MF}$	<1	-	-	<1	2	18	44	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	-	-	<1	17	480	47	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	-	-	<1	32	1100	59	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
% Stones >10mm$_A$	<0.1	13.7	<0.1	28.7	40.0	<0.1	18.7	% w/w	0.1	A-T-044
pH$_D$[M#]	8.06	8.85	-	7.66	-	8.91	-	pH	0.01	A-T-031s
Total Organic Carbon$_D$[M#]	0.13	0.05	-	-	-	0.08	-	% w/w	0.03	A-T-032s
Arsenic$_D$[M#]	1	<1	-	<1	-	<1	-	mg/kg	1	A-T-024s
Beryllium$_D$[S]	0.8	0.6	-	0.7	-	<0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	-	<1.0	-	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	0.7	0.6	-	0.6	-	<0.5	-	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	10	3	-	8	-	5	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-	<1	-	<1	-	mg/kg	1	A-T-048s
Lead$_D$[M#]	16	5	-	9	-	3	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	3.19	-	<0.17	-	0.69	-	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	20	7	-	19	-	60	-	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	<1	-	<1	-	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	35	15	-	24	-	5	-	mg/kg	1	A-T-024s
Zinc$_D$[M#]	46	21	-	34	-	6	-	mg/kg	5	A-T-024s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	-	0.11	<0.04	<0.04	0.11	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	-	0.12	<0.04	<0.04	0.15	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	-	0.19	<0.05	<0.05	0.21	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	-	0.08	<0.05	<0.05	0.14	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	-	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	-	0.12	<0.06	<0.06	0.15	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	-	0.18	<0.08	<0.08	0.14	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	-	0.11	<0.03	<0.03	0.16	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	-	<0.03	<0.03	<0.03	0.06	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	-	0.16	<0.07	<0.07	0.14	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	-	1.07	<0.08	<0.08	1.26	mg/kg	0.01	A-T-019s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Speciated PCB-WHO12										
PCB BZ 81$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 105$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 114$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 118$_A$[M#]	-	-	<0.007	-	-	-	-	mg/kg	0.007	A-T-004a
PCB BZ 123$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 126$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 156$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 157$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 167$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 169$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 189$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
PCB BZ 77$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004a
Total Speciated PCB-WHO12$_A$	-	-	<0.007	-	-	-	-	mg/kg	0.005	A-T-004a

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Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
SVOC										
Hexachlorobenzene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	<500	-	<500	<500	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	<500	-	<500	<500	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Hexachlorocyclopentadiene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
VOC										
Dichlorodifluoromethane$_{A}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Chloromethane$_{A}$	<10	<10	-	<10	<10	<10	<10	µg/kg	10	A-T-006a
Vinyl Chloride (Chloroethene)$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromomethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Chloroethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Trichlorofluoromethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Carbon Disulphide$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Dichloromethane$_{A}$	<5	<5	-	<5	<5	<5	<5	µg/kg	5	A-T-006a
trans 1,2-Dichloroethene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
cis 1,2-Dichloroethene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
2,2-Dichloropropane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromochloromethane$_{A}^{S}$	<5	<5	-	<5	<5	<5	<5	µg/kg	5	A-T-006a
Chloroform$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,1-Trichloroethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloropropene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Carbon Tetrachloride$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloroethane$_{A}^{S}$	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006a
Benzene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Trichloroethene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloropropane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Dibromomethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromodichloromethane$_{A}^{S}$	<10	<10	-	<10	<10	<10	<10	µg/kg	10	A-T-006a
cis 1,3-Dichloropropene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Toluene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
trans 1,3-Dichloropropene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,2-Trichloroethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3-Dichloropropane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Tetrachloroethene$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Dibromochloromethane$_{A}^{S}$	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006a
1,2-Dibromoethane$_{A}^{S}$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Chlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,1,2-Tetrachloroethane$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Ethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
m & p Xylene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
o-Xylene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Styrene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromoform$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Isopropylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,2,2-Tetrachloroethane$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichloropropane$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
n-Propylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
2-Chlorotoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
4-Chlorotoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
tert-Butylbenzene$_A^\#$	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
sec-Butylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
4-Isopropyltoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3-Dichlorobenzene$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,4-Dichlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
n-Butylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dichlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trichlorobenzene$_A$	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006a
Hexachlorobutadiene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichlorobenzene$_A$	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006a

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{MU}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{MU}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{MU}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	<1	-	-	<1	<1	9	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	-	-	<1	<1	9	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{MU}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{MU}$	<1	<1	-	-	<1	<1	2	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{MU}$	<1	<1	-	-	<1	<1	15	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	-	-	<1	<1	17	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	-	-	<1	<1	26	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	36.7	44.7	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$[M#]	8.85	7.89	-	8.07	8.20	8.86	8.88	pH	0.01	A-T-031s
Total Organic Carbon$_D$[M#]	0.07	0.53	0.13	-	0.38	0.08	0.11	% w/w	0.03	A-T-032s
Arsenic$_D$[M#]	3	-	-	61	<1	<1	<1	mg/kg	1	A-T-024s
Beryllium$_D$[S]	<0.5	-	-	0.8	<0.5	<0.5	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	-	<1.0	<1.0	<1.0	1.2	mg/kg	1	A-T-027s
Cadmium$_D$[M#]	0.6	-	-	1.6	<0.5	<0.5	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$[M#]	7	-	-	11	7	4	5	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	-	<1	<1	<1	<1	mg/kg	1	A-T-048s
Lead$_D$[M#]	5	-	-	13	8	4	3	mg/kg	1	A-T-024s
Mercury$_D$	2.68	-	-	<0.17	0.22	3.69	1.83	mg/kg	0.17	A-T-024s
Nickel$_D$[M#]	20	-	-	20	11	12	36	mg/kg	1	A-T-024s
Selenium$_D$[M#]	<1	-	-	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$[M#]	14	-	-	38	16	8	7	mg/kg	1	A-T-024s
Zinc$_D$[M#]	18	-	-	41	30	13	9	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Asbestos in Soil (inc. matrix)										
Asbestos in soil[D^]	-	NAD	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?[D]	-	N/A	-	-	-	-	-			A-T-045

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Client Project Name: Langstone Technology Park

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Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	0.13	0.11	0.31	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	0.11	0.08	0.20	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	0.07	0.12	0.14	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.11	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	0.06	0.08	0.16	0.19	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	0.09	0.16	0.17	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	0.28	0.58	0.55	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	0.27	0.35	0.47	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	0.04	0.03	0.07	0.08	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	0.66	1.34	1.26	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	0.27	0.48	0.55	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	0.10	2.04	3.45	4.13	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
SVOC										
Hexachlorobenzene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	<500	<500	<500	<500	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	<500	<500	<500	<500	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Hexachlorocyclopentadiene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
VOC										
Dichlorodifluoromethane$_{A}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Chloromethane$_{A}$	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006a
Vinyl Chloride (Chloroethene)$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromomethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Chloroethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Trichlorofluoromethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Carbon Disulphide$_{A}^{S}$	<1	<1	<1	<1	<1	2	1	µg/kg	1	A-T-006a
Dichloromethane$_{A}$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006a
trans 1,2-Dichloroethene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloroethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
cis 1,2-Dichloroethene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
2,2-Dichloropropane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromochloromethane$_{A}^{S}$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006a
Chloroform$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,1-Trichloroethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1-Dichloropropene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Carbon Tetrachloride$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloroethane$_{A}^{S}$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006a
Benzene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Trichloroethene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dichloropropane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Dibromomethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromodichloromethane$_{A}^{S}$	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006a
cis 1,3-Dichloropropene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Toluene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
trans 1,3-Dichloropropene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,2-Trichloroethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3-Dichloropropane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Tetrachloroethene$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Dibromochloromethane$_{A}^{S}$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006a
1,2-Dibromoethane$_{A}^{S}$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Chlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Ethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
m & p Xylene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
o-Xylene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Styrene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromoform$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Isopropylbenzene$_A^\#$	<1	<1	<1	<1	3	<1	10	µg/kg	1	A-T-006a
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
Bromobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
n-Propylbenzene$_A^\#$	<1	<1	<1	<1	9	<1	23	µg/kg	1	A-T-006a
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2	<2	<2	5	µg/kg	2	A-T-006a
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	19	<1	33	µg/kg	1	A-T-006a
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1	23	<1	61	µg/kg	1	A-T-006a
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,3-Dichlorobenzene$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
n-Butylbenzene$_A^\#$	<1	<1	<1	<1	43	<1	194	µg/kg	1	A-T-006a
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006a
1,2,4-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006a
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006a
1,2,3-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006a

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
TPH CWG										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	<0.01	0.02	0.10	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	16	22	19	mg/kg	1	A-T-055s
Ali >C10-C12$_A$	<1	<1	<1	<1	97	80	75	mg/kg	1	A-T-055s
Ali >C12-C16$_A$	<1	<1	<1	<1	465	276	294	mg/kg	1	A-T-055s
Ali >C16-C21$_A$	<1	<1	<1	<1	369	227	243	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	4	1	<1	62	42	45	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	4	1	<1	1010	646	676	mg/kg	1	A-T-055s
Aro >C5-C7$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	10	12	9	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1	61	60	43	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	300	205	175	mg/kg	1	A-T-055s
Aro >C16-C21$_A$	<1	1	<1	<1	243	151	141	mg/kg	1	A-T-055s
Aro >C21-C35$_A$	<1	8	<1	4	34	22	26	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	10	<1	4	649	449	393	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	13	1	4	1660	1100	1070	mg/kg	1	A-T-055s
BTEX - Benzene$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
% Stones >10mm$_A$	1.2							% w/w	0.1	A-T-044
pH$_D$ [M#]	8.55							pH	0.01	A-T-031s
Total Organic Carbon$_D$ [M#]	0.63							% w/w	0.03	A-T-032s
Arsenic$_D$ [M#]	<1							mg/kg	1	A-T-024s
Beryllium$_D$ [#]	0.6							mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.1							mg/kg	1	A-T-027s
Cadmium$_D$ [M#]	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$ [M#]	7							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-048s
Lead$_D$ [M#]	9							mg/kg	1	A-T-024s
Mercury$_D$	2.99							mg/kg	0.17	A-T-024s
Nickel$_D$ [M#]	13							mg/kg	1	A-T-024s
Selenium$_D$ [M#]	<1							mg/kg	1	A-T-024s
Vanadium$_D$ [M#]	14							mg/kg	1	A-T-024s
Zinc$_D$ [M#]	25							mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.27							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.06							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.23							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.22							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.16							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.26							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.09							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.26							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.86							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.42							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.13							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.07							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.94							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.86							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	4.83							mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
SVOC										
Hexachlorobenzene$_A$	<100							µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100							µg/kg	100	A-T-052s
Carbazole$_A$	<100							µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500							µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100							µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100							µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100							µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100							µg/kg	100	A-T-052s
Phenol$_A$	<100							µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100							µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100							µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500							µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100							µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100							µg/kg	100	A-T-052s
Isophorone$_A$	<100							µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100							µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
Hexachlorocyclopentadiene$_A$	<100							µg/kg	100	A-T-052s
Perylene$_A$	<100							µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
VOC										
Dichlorodifluoromethane$_A$	<1							µg/kg	1	A-T-006a
Chloromethane$_A$	<10							µg/kg	10	A-T-006a
Vinyl Chloride (Chloroethene)$_A^S$	<1							µg/kg	1	A-T-006a
Bromomethane$_A^#$	<1							µg/kg	1	A-T-006a
Chloroethane$_A^#$	<1							µg/kg	1	A-T-006a
Trichlorofluoromethane$_A^#$	<1							µg/kg	1	A-T-006a
1,1-Dichloroethene$_A^S$	<1							µg/kg	1	A-T-006a
Carbon Disulphide$_A^S$	<1							µg/kg	1	A-T-006a
Dichloromethane$_A$	<5							µg/kg	5	A-T-006a
trans 1,2-Dichloroethene$_A^#$	<1							µg/kg	1	A-T-006a
1,1-Dichloroethane$_A^#$	<1							µg/kg	1	A-T-006a
cis 1,2-Dichloroethene$_A^#$	<1							µg/kg	1	A-T-006a
2,2-Dichloropropane$_A^#$	<1							µg/kg	1	A-T-006a
Bromochloromethane$_A^S$	<5							µg/kg	5	A-T-006a
Chloroform$_A^#$	<1							µg/kg	1	A-T-006a
1,1,1-Trichloroethane$_A^S$	<1							µg/kg	1	A-T-006a
1,1-Dichloropropene$_A^#$	<1							µg/kg	1	A-T-006a
Carbon Tetrachloride$_A^S$	<1							µg/kg	1	A-T-006a
1,2-Dichloroethane$_A^#$	<2							µg/kg	2	A-T-006a
Benzene$_A^S$	<1							µg/kg	1	A-T-006a
Trichloroethene$_A^#$	<1							µg/kg	1	A-T-006a
1,2-Dichloropropane$_A^S$	<1							µg/kg	1	A-T-006a
Dibromomethane$_A^S$	<1							µg/kg	1	A-T-006a
Bromodichloromethane$_A^#$	<10							µg/kg	10	A-T-006a
cis 1,3-Dichloropropene$_A^#$	<1							µg/kg	1	A-T-006a
Toluene$_A^#$	<1							µg/kg	1	A-T-006a
trans 1,3-Dichloropropene$_A^#$	<1							µg/kg	1	A-T-006a
1,1,2-Trichloroethane$_A^S$	<1							µg/kg	1	A-T-006a
1,3-Dichloropropane$_A^S$	<1							µg/kg	1	A-T-006a
Tetrachloroethene$_A^#$	<1							µg/kg	1	A-T-006a
Dibromochloromethane$_A^#$	<3							µg/kg	3	A-T-006a
1,2-Dibromoethane$_A^#$	<1							µg/kg	1	A-T-006a

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
Chlorobenzene$_A^\#$	<1							µg/kg	1	A-T-006a
1,1,1,2-Tetrachloroethane$_A$	<1							µg/kg	1	A-T-006a
Ethylbenzene$_A^\#$	<1							µg/kg	1	A-T-006a
m & p Xylene$_A^\#$	<1							µg/kg	1	A-T-006a
o-Xylene$_A^\#$	<1							µg/kg	1	A-T-006a
Styrene$_A^\#$	<1							µg/kg	1	A-T-006a
Bromoform$_A^\#$	<1							µg/kg	1	A-T-006a
Isopropylbenzene$_A^\#$	3							µg/kg	1	A-T-006a
1,1,2,2-Tetrachloroethane$_A$	<1							µg/kg	1	A-T-006a
1,2,3-Trichloropropane$_A^\#$	<1							µg/kg	1	A-T-006a
Bromobenzene$_A^\#$	<1							µg/kg	1	A-T-006a
n-Propylbenzene$_A^\#$	8							µg/kg	1	A-T-006a
2-Chlorotoluene$_A^\#$	<1							µg/kg	1	A-T-006a
1,3,5-Trimethylbenzene$_A^\#$	<1							µg/kg	1	A-T-006a
4-Chlorotoluene$_A^\#$	<1							µg/kg	1	A-T-006a
tert-Butylbenzene$_A^\#$	5							µg/kg	2	A-T-006a
1,2,4-Trimethylbenzene$_A^\#$	13							µg/kg	1	A-T-006a
sec-Butylbenzene$_A^\#$	32							µg/kg	1	A-T-006a
4-Isopropyltoluene$_A^\#$	<1							µg/kg	1	A-T-006a
1,3-Dichlorobenzene$_A$	<1							µg/kg	1	A-T-006a
1,4-Dichlorobenzene$_A^\#$	<1							µg/kg	1	A-T-006a
n-Butylbenzene$_A^\#$	54							µg/kg	1	A-T-006a
1,2-Dichlorobenzene$_A^\#$	<1							µg/kg	1	A-T-006a
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2							µg/kg	2	A-T-006a
1,2,4-Trichlorobenzene$_A$	<3							µg/kg	3	A-T-006a
Hexachlorobutadiene$_A^\#$	<1							µg/kg	1	A-T-006a
1,2,3-Trichlorobenzene$_A$	<3							µg/kg	3	A-T-006a

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Ali >C6-C8$_A^{\#}$	0.05							mg/kg	0.01	A-T-022a
Ali >C8-C10$_A$	96							mg/kg	1	A-T-055a
Ali >C10-C12$_A^{MF}$	382							mg/kg	1	A-T-055a
Ali >C12-C16$_A^{MF}$	1370							mg/kg	1	A-T-055a
Ali >C16-C21$_A^{MF}$	1080							mg/kg	1	A-T-055a
Ali >C21-C35$_A$	189							mg/kg	1	A-T-055a
Total Aliphatics$_A$	3130							mg/kg	1	A-T-055a
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Aro >C8-C10$_A$	52							mg/kg	1	A-T-055a
Aro >C10-C12$_A^{MS}$	305							mg/kg	1	A-T-055a
Aro >C12-C16$_A$	998							mg/kg	1	A-T-055a
Aro >C16-C21$_A^{MS}$	674							mg/kg	1	A-T-055a
Aro >C21-C35$_A^{MS}$	86							mg/kg	1	A-T-055a
Total Aromatics$_A$	2120							mg/kg	1	A-T-055a
TPH (Ali & Aro >C5-C35)$_A$	5230							mg/kg	1	A-T-055a
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a

REPORT NOTES

General
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The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/07483
Issue Number: 1 **Date:** 16 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Sophie Harper-Pryce
Project Name: Langstone Technology Park
Project Ref: 10/1425
Order No: TBC
Date Samples Received: 07/09/20
Date Instructions Received: 08/09/20
Date Analysis Completed: 15/09/20

Prepared by:

[redacted]

Danielle Brierley
Client Manager

Approved by:

[redacted]

Richard Wong
Client Manager

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.03							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.09							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.18							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.30							mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Ali >C6-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055a
Ali >C10-C12$_A^{MF}$	<1							mg/kg	1	A-T-055a
Ali >C12-C16$_A^{MF}$	316							mg/kg	1	A-T-055a
Ali >C16-C21$_A^{MF}$	316							mg/kg	1	A-T-055a
Ali >C21-C35$_A^{MF}$	973							mg/kg	1	A-T-055a
Total Aliphatics$_A$	1610							mg/kg	1	A-T-055a
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
Aro >C8-C10$_A$	3							mg/kg	1	A-T-055a
Aro >C10-C12$_A$	<1							mg/kg	1	A-T-055a
Aro >C12-C16$_A$	65							mg/kg	1	A-T-055a
Aro >C16-C21$_A^{MF}$	65							mg/kg	1	A-T-055a
Aro >C21-C35$_A^{MF}$	44							mg/kg	1	A-T-055a
Total Aromatics$_A$	177							mg/kg	1	A-T-055a
TPH (Ali & Aro >C5-C35)$_A$	1780							mg/kg	1	A-T-055a
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022a

REPORT NOTES

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The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

envirolab
Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/06587/1

Envirolab Job Number:	20/06587		
Issue Number:	2	Date:	26-Aug-20

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK, WA14 4NX

Project Manager:	Daniel Hoyle
Project Name:	Langstone Technology Park
Project Ref:	10/1425
Order No:	28793
Date Samples Received:	6-Aug-20
Date Instructions Received:	10-Aug-20
Date Analysis Completed:	26-Aug-20

Notes - Soil analysis

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

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

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

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

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

Please contact us if you need any further information.

Prepared by:

[redacted]

Sophie France
Client Service Manager

Approved by:

[redacted]

Richard Wong
Client Manager

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06587/57				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				WS24				
Depth to Top				1.3				
Depth to Bottom								
Date Sampled				30/07/2020				
Sample Type				Solid				
Sample Matrix Code				7				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.06**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.12**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.04**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**4.6**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.13**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.001	**0.010**	0.5	2	25
Barium	A-T-025	N	N	0.108	**1.080**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	0.002	**0.020**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	0.006	**0.060**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.008	**0.080**	4	50	200
Chloride	A-T-026	N	N	37	**373**	800	15000	25000
Fluoride	A-T-026	N	N	0.4	**4.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	145	**1446**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	28	**280**	4000	60000	100000
Phenol Index	A-T-060	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	8.1				
Conductivity (µS/cm)	A-T-037	N	N	57				
Mass Sample (kg)				0.208				
Dry Matter (%)	A-T-044	N	N	83.9				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06587/90				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				WS29				
Depth to Top				0.8				
Depth to Bottom								
Date Sampled				30/07/2020				
Sample Type				Soil				
Sample Matrix Code				5A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**7.89**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.13**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.08**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**5.1**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.53**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic	A-T-025	N	N	0.006	**0.060**	0.5	2	25
Barium	A-T-025	N	N	0.731	**7.310**	20	100	300
Cadmium	A-T-025	N	N	0.001	**0.010**	0.04	1	5
Chromium	A-T-025	N	N	0.004	**0.040**	0.5	10	70
Copper	A-T-025	N	N	0.101	**1.010**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	0.015	**0.150**	0.4	10	40
Lead	A-T-025	N	N	0.072	**0.720**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.057	**0.570**	4	50	200
Chloride	A-T-026	N	N	12	**122**	800	15000	25000
Fluoride	A-T-026	N	N	0.7	**7.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	103	**1033**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	29	**290**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	31.20	**312**	500	800	1000

Leach Test Information				
pH (pH Units)	A-T-031	N	N	7.5
Conductivity (µS/cm)	A-T-037	N	N	58
Mass Sample (kg)				0.212
Dry Matter (%)	A-T-044	N	N	82.7

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 20/06635/1

Amendments: Request for project/sample information change

Envirolab Job Number: 20/06635
Issue Number: 2 **Date:** 09 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager:	Daniel Hoyle/Sophie Harper-Pryce
Project Name:	Langstone Technology Park
Project Ref:	10/1425
Order No:	TBC
Date Samples Received:	06/08/20
Date Instructions Received:	12/08/20
Date Analysis Completed:	20/08/20

Prepared by:

[redacted]

Richard Wong
Client Manager

Approved by:

[redacted]

Sophie France
Client Service Manager

UKAS TESTING
1247

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
pH (w)$_A^{\#}$	7.57	7.11	7.27	7.48				pH	0.01	A-T-031w
DOC (w)$_A^{\#}$	12.8	9.8	24.7	22.9				mg/l	0.2	A-T-032w
Arsenic (dissolved)$_A^{\#}$	2	<1	8	5				µg/l	1	A-T-025w
Boron (dissolved)$_A^{\#}$	225	51	112	78				µg/l	10	A-T-025w
Beryllium (dissolved)$_A^{\#}$	<1	<1	4	<1				µg/l	1	A-T-025w
Cadmium (dissolved)$_A^{\#}$	<0.2	<0.2	1.9	<0.2				µg/l	0.2	A-T-025w
Copper (dissolved)$_A^{\#}$	21	9	181	17				µg/l	1	A-T-025w
Chromium (hexavalent) (w)$_A^{\#}$	<0.01	<0.01	<0.01	<0.01				mg/l	0.01	A-T-040w
Lead (dissolved)$_A^{\#}$	<1	<1	106	<1				µg/l	1	A-T-025w
Mercury (dissolved)$_A^{\#}$	<0.1	<0.1	<0.1	<0.1				µg/l	0.1	A-T-025w
Nickel (dissolved)$_A^{\#}$	4	4	61	4				µg/l	1	A-T-025w
Selenium (dissolved)$_A^{\#}$	<1	2	3	<1				µg/l	1	A-T-025w
Vanadium (dissolved)$_A^{\#}$	<1	<1	69	2				µg/l	1	A-T-025w
Zinc (dissolved)$_A^{\#}$	20	3	176	4				µg/l	1	A-T-025w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
PAH 16MS (w)										
Acenaphthene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Anthracene (w)$_A^\#$	<0.01	<0.01	0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^\#$	<0.01	0.03	0.02	<0.01				µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^\#$	<0.01	0.04	0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^\#$	<0.01	0.07	0.02	<0.01				µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Chrysene (w)$_A^\#$	<0.01	0.08	0.02	<0.01				µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^\#$	0.02	0.35	0.05	<0.01				µg/l	0.01	A-T-019w
Fluorene (w)$_A^\#$	0.03	<0.01	0.01	<0.01				µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Naphthalene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^\#$	0.04	0.02	0.04	<0.01				µg/l	0.01	A-T-019w
Pyrene (w)$_A^\#$	0.03	0.30	0.05	<0.01				µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^\#$	0.12	0.95	0.23	<0.01				µg/l	0.01	A-T-019w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
VOC (w)										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-005w
Chloromethane$_A$	<10	<10	<10	<10				µg/l	10	A-T-005w
Vinyl Chloride$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Bromomethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Chloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Dichloromethane$_A$	<5	<5	<5	<5				µg/l	5	A-T-005w
Carbon Disulphide$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Bromochloromethane$_A^\#$	<5	<5	<5	<5				µg/l	5	A-T-005w
Chloroform$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-005w
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Benzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Dibromomethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Bromodichloromethane$_A^\#$	<10	<10	<10	<10				µg/l	10	A-T-005w
Trichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Toluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Dibromochloromethane$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-005w
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Tetrachloroethene$_A$	<1	<1	<1	<1				µg/l	1	A-T-005w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-005w
Chlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Ethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
m & p Xylene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Bromoform$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Styrene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-005w
o-Xylene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Isopropylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
Bromobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
n-propylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-005w
1,3-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
n-butylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w
1,2-Dibromo-3-chloropropane$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-005w
1,2,4-Trichlorobenzene$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-005w
1,2,3-Trichlorobenzene$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-005w
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-005w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
TPH CWG (w)										
Ali >C5-C6 (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
Ali >C6-C8 (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
Ali >C8-C10 (w)$_A^\#$	<5	<5	-	<5				µg/l	5	A-T-055w
Ali >C10-C12 (w)$_A^\#$	16	<5	-	6				µg/l	5	A-T-055w
Ali >C12-C16 (w)$_A^\#$	22	<5	-	19				µg/l	5	A-T-055w
Ali >C16-C21 (w)$_A^\#$	23	<5	-	12				µg/l	5	A-T-055w
Ali >C21-C35 (w)$_A^\#$	101	<5	-	33				µg/l	5	A-T-055w
Total Aliphatics (w)$_A^\#$	162	<5	-	70				µg/l	5	A-T-055w
Aro >C5-C7 (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
Aro >C7-C8 (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
Aro >C8-C10 (w)$_A$	9	<5	-	5				µg/l	5	A-T-055w
Aro >C10-C12 (w)$_A^\#$	31	16	-	48				µg/l	5	A-T-055w
Aro >C12-C16 (w)$_A^\#$	17	10	-	13				µg/l	5	A-T-055w
Aro >C16-C21 (w)$_A^\#$	26	31	-	28				µg/l	5	A-T-055w
Aro >C21-C35 (w)$_A^\#$	37	21	-	26				µg/l	10	A-T-055w
Total Aromatics (w)$_A$	120	78	-	120				µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C35) (w)$_A$	282	78	-	190				µg/l	10	A-T-055w
BTEX - Benzene (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - Toluene (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - Ethyl Benzene (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - m & p Xylene (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - o Xylene (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w
MTBE (w)$_A^\#$	<1	<1	-	<1				µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/07484
Issue Number: 1 **Date:** 16 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Sophie Harper-Pryce
Project Name: Langstone Technology Park, Havant
Project Ref: 10/1425
Order No: TBC
Date Samples Received: 07/09/20
Date Instructions Received: 08/09/20
Date Analysis Completed: 15/09/20

Prepared by:

[redacted]
Danielle Brierley
Client Manager

Approved by:

[redacted]
Richard Wong
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
pH (w)$_A^{\#}$	7.12	7.60	7.39	7.45	8.02	7.85	7.67	pH	0.01	A-T-031w
Arsenic (dissolved)$_A^{\#}$	1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Boron (dissolved)$_A^{\#}$	54	-	-	-	51	-	22	µg/l	10	A-T-025w
Beryllium (dissolved)$_A^{\#}$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Cadmium (dissolved)$_A^{\#}$	<0.2	-	-	-	<0.2	-	<0.2	µg/l	0.2	A-T-025w
Copper (dissolved)$_A^{\#}$	<1	-	-	-	2	-	<1	µg/l	1	A-T-025w
Chromium (hexavalent) (w)$_A^{\#}$	<0.01	-	-	-	0.20	-	<0.01	mg/l	0.01	A-T-040w
Lead (dissolved)$_A^{\#}$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Mercury (dissolved)$_A^{\#}$	<0.1	-	-	-	<0.1	-	<0.1	µg/l	0.1	A-T-025w
Nickel (dissolved)$_A^{\#}$	6	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Selenium (dissolved)$_A^{\#}$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Vanadium (dissolved)$_A^{\#}$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Zinc (dissolved)$_A^{\#}$	<1	-	-	-	<1	-	3	µg/l	1	A-T-025w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
PAH 16MS (w)										
Acenaphthene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Anthracene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Chrysene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Fluoranthene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Fluorene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Naphthalene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Phenanthrene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Pyrene (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A$#	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
SVOC (w)										
1,2,4-Trichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
1,2-Dichlorobenzene$_A$	-	-	<3	<3	-	<3	-	µg/l	1	A-T-052w
1,3-Dichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
1,4-Dichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
2,4,5-Trichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4,6-Trichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dimethylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dinitrotoluene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,6-Dinitrotoluene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Chloronaphthalene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Chlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Methylnaphthalene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Nitrophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Bromophenyl phenyl ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Chloro-3-methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-chloroisopropyl)ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
3+4-Methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Nitrophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Acenaphthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Acenaphthylene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Bis(2-chloroethyl)ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-chloroethoxy)methane$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-ethylhexyl)phthalate$_A$	-	<10	<10	<10	-	<10	<10	µg/l	10	A-T-052w
Benzo(a)anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Butylbenzyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Benzo(b)fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(k)fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(a)pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(ghi)perylene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Carbazole$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Chrysene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Dibenzofuran$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
n-Dibutylphthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
n-Dioctylphthalate$_A$	-	<10	<10	<10	-	<10	<10	µg/l	10	A-T-052w
n-Nitroso-n-dipropylamine$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Diethyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Dimethyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Dibenzo(ah)anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Fluorene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Hexachlorobutadiene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
Hexachlorobenzene$_A$	-	<2	<2	<2	-	<2	<2	µg/l	1	A-T-052w
Pentachlorophenol (SVOC)$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Phenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Hexachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Nitrobenzene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Naphthalene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Isophorone$_A$	-	<1	<1	1	-	<1	<1	µg/l	1	A-T-052w
Hexachlorocyclopentadiene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Phenanthrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Indeno(1,2,3-cd)pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Perylene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
VOC (w)										
Dichlorodifluoromethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Chloromethane$_A$	-	<10	-	-	-	-	<10	µg/l	10	A-T-009w
Vinyl Chloride$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Bromomethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Chloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Trichlorofluoromethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
trans 1,2-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Dichloromethane$_A$	-	<5	-	-	-	-	<5	µg/l	5	A-T-009w
Carbon Disulphide$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,1-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,1-Dichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
cis 1,2-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Bromochloromethane$_A^\#$	-	<5	-	-	-	-	<5	µg/l	5	A-T-009w
Chloroform$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
2,2-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2-Dichloroethane$_A^\#$	-	<2	-	-	-	-	<2	µg/l	2	A-T-009w
1,1,1-Trichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,1-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Benzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Carbon Tetrachloride$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Dibromomethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Bromodichloromethane$_A^\#$	-	<10	-	-	-	-	<10	µg/l	10	A-T-009w
Trichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
cis 1,3-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
trans 1,3-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,1,2-Trichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Toluene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,3-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Dibromochloromethane$_A^\#$	-	<3	-	-	-	-	<3	µg/l	3	A-T-009w
1,2-Dibromoethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Tetrachloroethene$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
1,1,1,2-Tetrachloroethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Chlorobenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Ethylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
m & p Xylene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Bromoform$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Styrene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,1,2,2-Tetrachloroethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
o-Xylene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2,3-Trichloropropane$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Isopropylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
Bromobenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
2-Chlorotoluene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
n-propylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
4-Chlorotoluene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2,4-Trimethylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
4-Isopropyltoluene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,3,5-Trimethylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2-Dichlorobenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,4-Dichlorobenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
sec-Butylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
tert-Butylbenzene$_A^F$	-	<2	-	-	-	-	<2	µg/l	2	A-T-009w
1,3-Dichlorobenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
n-butylbenzene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w
1,2-Dibromo-3-chloropropane$_A^F$	-	<2	-	-	-	-	<2	µg/l	2	A-T-009w
1,2,4-Trichlorobenzene$_A^F$	-	<3	-	-	-	-	<3	µg/l	3	A-T-009w
1,2,3-Trichlorobenzene$_A^F$	-	<3	-	-	-	-	<3	µg/l	3	A-T-009w
Hexachlorobutadiene$_A^F$	-	<1	-	-	-	-	<1	µg/l	1	A-T-009w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
TPH CWG (w)										
Ali >C5-C6 (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C6-C8 (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C8-C10 (w)$_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C10-C12 (w)$_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C12-C16 (w)$_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C16-C21 (w)$_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C21-C35 (w)$_A^{\#}$	-	<5	-	19	-	-	<5	µg/l	5	A-T-055w
Total Aliphatics (w)$_A^{\#}$	-	<5	-	19	-	-	<5	µg/l	5	A-T-055w
Aro >C5-C7 (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C7-C8 (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C8-C10 (w)$_A$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Aro >C10-C12 (w)$_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Aro >C12-C16 (w)$_A^{\#}$	-	<5	-	14	-	-	<5	µg/l	5	A-T-055w
Aro >C16-C21 (w)$_A^{\#}$	-	6	-	26	-	-	<5	µg/l	5	A-T-055w
Aro >C21-C35 (w)$_A^{\#}$	-	<10	-	15	-	-	<10	µg/l	10	A-T-055w
Total Aromatics (w)$_A$	-	<10	-	55	-	-	<10	µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C35) (w)$_A$	-	<10	-	74	-	-	<10	µg/l	10	A-T-055w
BTEX - Benzene (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Toluene (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - m & p Xylene (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - o Xylene (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
MTBE (w)$_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

APPENDIX IV

WASTE ASSESSMENT

clancy consulting

HazWasteOnline™

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.

NCUZJ-PLUUK-OUNOK

Job name

10-1425 Langstone Business Park

Description/Comments

Project

Site

Classified by

Name:
Robert Philip
Company:
Clancy Consulting Limited
Date:
23 Nov 2021 14:48 GMT
Telephone:

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:	-
Course	**Date**
Hazardous Waste Classification	-

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS9	0.35	Non Hazardous		3
2	WS9[2]	2.30	Non Hazardous		6
3	WS10	0.90	Non Hazardous		8
4	WS11	0.90	Non Hazardous		10
5	WS14	0.90	Non Hazardous		12
6	WS14[2]	2.40	Non Hazardous		14
7	WS16	0.95	Non Hazardous		17
8	WS18	2.30	Non Hazardous		19
9	WS20	0.40	Unknown. Chemistry data not provided.		21
10	WS20[2]	0.90	Non Hazardous		22
11	WS20[3]	1.90	Non Hazardous		24
12	WS21	1.30	Hazardous	HP 3(i), HP 7, HP 11	27
13	WS21[2]	2.70	Non Hazardous		29
14	WS23	1.00	Non Hazardous		32
15	WS24	1.30	Non Hazardous		34
16	WS24[2]	2.30	Non Hazardous		36
17	WS25	0.40	Unknown. Chemistry data not provided.		38
18	WS25[2]	1.70	Non Hazardous		39
19	WS26	1.50	Non Hazardous		41
20	WS26[2]	2.30	Non Hazardous		43
21	WS27	0.80	Non Hazardous		46
22	WS28	2.30	Non Hazardous		48
23	WS29	0.80	Non Hazardous		51
24	WS29[2]	2.40	Non Hazardous		53
25	WS30	1.00	Hazardous	HP 3(i), HP 7, HP 11	55
26	WS31	2.50	Hazardous	HP 3(i), HP 7, HP 11	58
27	WS31[2]	2.70	Hazardous	HP 3(i), HP 7, HP 11	61
28	WS32	2.60	Hazardous	HP 3(i), HP 7, HP 11	64
29	WS32[2]	2.40	Non Hazardous		67

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
30	HTP1	0.50	Non Hazardous		69
31	HTP3	0.40	Non Hazardous		71
32	BH1	0.60	Non Hazardous		73
33	SA1	0.60	Non Hazardous		74
34	WS1	1.60	Non Hazardous		76
35	WS2	1.10	Hazardous	HP 3(i), HP 7, HP 11	78
36	WS2[2]	2.40	Non Hazardous		81
37	WS3	0.25	Non Hazardous		83
38	WS4	1.80	Non Hazardous		85
39	WS5	2.60	Hazardous	HP 3(i), HP 7, HP 11	87
40	WS5[2]	3.90	Non Hazardous		90
41	WS6	0.80	Non Hazardous		92
42	WS7	1.40	Non Hazardous		94
43	SA2	0.70	Non Hazardous		96
44	BH3	1.00	Non Hazardous		98
45	BH4	1.10	Non Hazardous		100
46	BH4[2]	1.10	Unknown. Chemistry data not provided.		102

Related documents

#	Name	Description
1	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Robert Philip

Created date: 23 Nov 2021 14:48 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	103
Appendix B: Rationale for selection of metal species	104
Appendix C: Version	104

Classification of sample: WS9

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

Sample details

Sample name:
WS9
Sample Depth:
0.35 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	14 mg/kg	1.56	21.837 mg/kg	0.0014 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		18 mg/kg	2.976	53.573 mg/kg	0.00536 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		63 mg/kg	2.774	174.771 mg/kg	0.0175 %		
12		TPH (C6 to C40) petroleum group TPH		33 mg/kg		33 mg/kg	0.0033 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	•	pH		PH		7.52	pH		7.52	pH	7.52 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene	205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	•	acenaphthene	201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	•	fluorene	201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	•	phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	•	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	•	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	•	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0033%)

Classification of sample: WS9[2]

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

Sample details

Sample name:
WS9[2]
Sample Depth:
2.30 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group TPH		2 mg/kg		2 mg/kg	0.0002 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11		phenanthrene 201-581-5 / 85-01-8		0.05 mg/kg		0.05 mg/kg	0.000005 %		
12		anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13		fluoranthene 205-912-4 / 206-44-0		0.14 mg/kg		0.14 mg/kg	0.000014 %		
14		pyrene 204-927-3 / 129-00-0		0.11 mg/kg		0.11 mg/kg	0.000011 %		
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.12 mg/kg		0.12 mg/kg	0.000012 %		
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.15 mg/kg		0.15 mg/kg	0.000015 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		601-032-00-3	200-028-5	50-32-8									
20	◦	indeno[123-cd]pyrene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
22	◦	benzo[ghi]perylene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			205-883-8	191-24-2									
										Total:	0.00031 %		

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
ND	Not detected

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

Classification of sample: WS10

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

Sample details

Sample name:
WS10
Sample Depth:
0.90 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group TPH		31 mg/kg		31 mg/kg	0.0031 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9	●	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	●	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
12	●	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13	●	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
14	●	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	◦	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	◦	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00317 %		

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
ND	Not detected

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0031%)

Classification of sample: WS11

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

Sample details

Sample name:
WS11
Sample Depth:
0.90 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
2	●	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3	●	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4	●	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
6	●	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
7	●	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
8	●	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
9		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
10		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
11		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
13		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
14	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15		dibenz[a,h]anthracene 601-041-00-2 / 200-181-8 / 53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16	●	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
						Total:	0.00006 %		

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
ND	Not detected

Classification of sample: WS14

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

Sample details

Sample name:	LoW Code:	
WS14	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.90 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1	●	TPH (C6 to C40) petroleum group TPH		13 mg/kg		13 mg/kg	0.0013 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9	●	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	●	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
12	●	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13	●	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
14	●	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	◦	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	◦	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00137 %		

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
ND	Not detected

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: WS14[2]

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

Sample details

Sample name:
WS14[2]
Sample Depth:
2.40 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		6 mg/kg	1.126	6.755 mg/kg	0.000676 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	6 mg/kg	1.56	9.359 mg/kg	0.0006 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		2.15 mg/kg	1.353	2.91 mg/kg	0.000291 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		11 mg/kg	2.976	32.739 mg/kg	0.00327 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		20 mg/kg	2.774	55.483 mg/kg	0.00555 %		
12		TPH (C6 to C40) petroleum group TPH		2 mg/kg		2 mg/kg	0.0002 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	◦	pH				7.88	pH		7.88	pH	7.88 pH		
				PH									
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	◦	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	◦	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	◦	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	◦	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	◦	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	◦	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	◦	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	◦	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	◦	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0118 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

Classification of sample: WS16

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

Sample details

Sample name:
WS16
Sample Depth:
0.95 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
		CLP index number / EC Number / CAS Number							
1	○	TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	○	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8	○	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9	○	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	○	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	○	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
12	○	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13	○	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
14	○	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

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
ND	Not detected

Classification of sample: WS18

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

Sample details

Sample name:
WS18
Sample Depth:
2.30 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		1 mg/kg	1.32	1.32 mg/kg	0.000132 %		
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		4 mg/kg	1.126	4.504 mg/kg	0.00045 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	5 mg/kg	1.56	7.799 mg/kg	0.0005 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		2.82 mg/kg	1.353	3.817 mg/kg	0.000382 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		5 mg/kg	2.976	14.881 mg/kg	0.00149 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8 / /		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		14 mg/kg	2.774	38.838 mg/kg	0.00388 %		
12		pH / / PH		8.48 pH		8.48 pH	8.48 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene / 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		acenaphthene / 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		fluorene / 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		phenanthrene / 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
19	●	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20	●	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
21		benzo[a]anthracene	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9											
22		chrysene	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0											
23		benzo[b]fluoranthene	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4											
24		benzo[k]fluoranthene	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5											
25		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3											
26	●	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
27		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2											
28	●	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.00787 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS20

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:
WS20
Sample Depth:
0.40 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
		CLP index number	EC Number	CAS Number							
								Total:	0%		

Key
User supplied data

Classification of sample: WS20[2]

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

Sample details

Sample name:
WS20[2]
Sample Depth:
0.90 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
		CLP index number / EC Number / CAS Number									
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		2	mg/kg	1.32	2.641	mg/kg	0.000264 %		
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.8	mg/kg	1.142	0.914	mg/kg	0.0000914 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		54	mg/kg	2.774	149.804	mg/kg	0.015 %		
12		TPH (C6 to C40) petroleum group TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	◦	pH				7.71	pH		7.71	pH	7.71 pH		
				PH									
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	◦	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	◦	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	◦	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	◦	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	◦	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	◦	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	◦	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	◦	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	◦	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0268 %		

Key

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

Classification of sample: WS20[3]

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

Sample details

Sample name:
WS20[3]
Sample Depth:
1.90 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		4 mg/kg	1.126	4.504 mg/kg	0.00045 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		5.03 mg/kg	1.353	6.808 mg/kg	0.000681 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		4 mg/kg	2.976	11.905 mg/kg	0.00119 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		12 mg/kg	2.774	33.29 mg/kg	0.00333 %		
12		TPH (C6 to C40) petroleum group TPH		32 mg/kg		32 mg/kg	0.0032 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	◦	pH				8.72	pH		8.72	pH	8.72 pH		
				PH									
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	◦	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	◦	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	◦	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	◦	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	◦	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	◦	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	◦	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	◦	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	◦	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0102 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0032%)

Classification of sample: WS21

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS21	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.30 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

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.: 0.11%)

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.: 0.11%)

Determinands

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

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1	◦	TPH (C6 to C40) petroleum group TPH		1100 mg/kg		1100 mg/kg	0.11 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
5	◦	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
6		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	•	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	•	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	•	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	•	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
12	•	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
13	•	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
14	•	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
16		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
18		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
19		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
20	•	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22	•	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.11 %		

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)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS21[2]

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

Sample details

Sample name:
WS21[2]
Sample Depth:
2.70 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		2 mg/kg	1.32	2.641 mg/kg	0.000264 %		
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		9 mg/kg	1.126	10.133 mg/kg	0.00101 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	6 mg/kg	1.56	9.359 mg/kg	0.0006 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		2.7 mg/kg	1.353	3.654 mg/kg	0.000365 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		39 mg/kg	2.976	116.074 mg/kg	0.0116 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		19 mg/kg	2.774	52.709 mg/kg	0.00527 %		
12		TPH (C6 to C40) petroleum group TPH		59 mg/kg		59 mg/kg	0.0059 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	•	pH		PH		8.71	pH		8.71	pH	8.71 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene	205-917-1	208-96-8		0.03	mg/kg		0.03	mg/kg	0.000003 %		
21	•	acenaphthene	201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	•	fluorene	201-695-5	86-73-7		0.02	mg/kg		0.02	mg/kg	0.000002 %		
23	•	phenanthrene	201-581-5	85-01-8		0.04	mg/kg		0.04	mg/kg	0.000004 %		
24	•	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	•	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	•	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0261 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0059%)

Classification of sample: WS23

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

Sample details

Sample name:
WS23
Sample Depth:
1.00 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
		CLP index number / EC Number / CAS Number							
1		TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11		phenanthrene 201-581-5 / 85-01-8		0.08 mg/kg		0.08 mg/kg	0.000008 %		
12		anthracene 204-371-1 / 120-12-7		0.03 mg/kg		0.03 mg/kg	0.000003 %		
13		fluoranthene 205-912-4 / 206-44-0		0.33 mg/kg		0.33 mg/kg	0.000033 %		
14		pyrene 204-927-3 / 129-00-0		0.27 mg/kg		0.27 mg/kg	0.000027 %		
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.29 mg/kg		0.29 mg/kg	0.000029 %		
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.38 mg/kg		0.38 mg/kg	0.000038 %		
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.56 mg/kg		0.56 mg/kg	0.000056 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
		601-032-00-3	200-028-5	50-32-8									
20	◦	indeno[123-cd]pyrene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		601-041-00-2	200-181-8	53-70-3									
22	◦	benzo[ghi]perylene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-883-8	191-24-2									
										Total:	0.00041 %		

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
ND	Not detected

Classification of sample: WS24

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

Sample details

Sample name:
WS24
Sample Depth:
1.30 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		1 mg/kg	1.32	1.32 mg/kg	0.000132 %		
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		10 mg/kg	1.126	11.259 mg/kg	0.00113 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	16 mg/kg	1.56	24.957 mg/kg	0.0016 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		46 mg/kg	2.774	127.611 mg/kg	0.0128 %		
12		TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	◦	pH				8.06	pH		8.06	pH	8.06 pH		
				PH									
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	◦	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	◦	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	◦	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	◦	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	◦	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	◦	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	◦	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	◦	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	◦	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0228 %		

Key

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

Classification of sample: WS24[2]

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

Sample details

Sample name:
WS24[2]
Sample Depth:
2.30 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		3 mg/kg	1.126	3.378 mg/kg	0.000338 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	5 mg/kg	1.56	7.799 mg/kg	0.0005 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		3.19 mg/kg	1.353	4.318 mg/kg	0.000432 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		7 mg/kg	2.976	20.834 mg/kg	0.00208 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		21 mg/kg	2.774	58.257 mg/kg	0.00583 %		
12		pH PH		8.85 pH		8.85 pH	8.85 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
19		fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
20		pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
21		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0104 %		

Key

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

Classification of sample: WS25

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS25	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.40 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

User supplied data

Classification of sample: WS25[2]

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

Sample details

Sample name:
WS25[2]
Sample Depth:
1.70 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		8 mg/kg	1.126	9.007 mg/kg	0.000901 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	9 mg/kg	1.56	14.038 mg/kg	0.0009 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		19 mg/kg	2.976	56.549 mg/kg	0.00565 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		34 mg/kg	2.774	94.321 mg/kg	0.00943 %		
12		TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	•	pH		PH		7.66	pH		7.66	pH	7.66 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene	205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	•	acenaphthene	201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	•	fluorene	201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	•	phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	•	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	•	fluoranthene	205-912-4	206-44-0		0.18	mg/kg		0.18	mg/kg	0.000018 %		
26	•	pyrene	204-927-3	129-00-0		0.16	mg/kg		0.16	mg/kg	0.000016 %		
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.11	mg/kg		0.11	mg/kg	0.000011 %		
28		chrysene 601-048-00-0	205-923-4	218-01-9		0.12	mg/kg		0.12	mg/kg	0.000012 %		
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.19	mg/kg		0.19	mg/kg	0.000019 %		
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		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 %		
32	•	indeno[123-cd]pyrene	205-893-2	193-39-5		0.11	mg/kg		0.11	mg/kg	0.000011 %		
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene	205-883-8	191-24-2		0.08	mg/kg		0.08	mg/kg	0.000008 %		
										Total:	0.0183 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS26

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

Sample details

Sample name:
WS26
Sample Depth:
1.50 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
		CLP index number / EC Number / CAS Number							
1	○	TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	○	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8	○	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9	○	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	○	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	○	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
12	○	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13	○	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
14	○	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

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
ND	Not detected

Classification of sample: WS26[2]

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

Sample details

Sample name:
WS26[2]
Sample Depth:
2.30 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	3 mg/kg	1.56	4.679 mg/kg	0.0003 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		0.69 mg/kg	1.353	0.934 mg/kg	0.0000934 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		60 mg/kg	2.976	178.576 mg/kg	0.0179 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		6 mg/kg	2.774	16.645 mg/kg	0.00166 %		
12		TPH (C6 to C40) petroleum group TPH		26 mg/kg		26 mg/kg	0.0026 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	•	pH		PH		8.91	pH		8.91	pH	8.91 pH		
19		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	•	acenaphthylene	205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	•	acenaphthene	201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	•	fluorene	201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	•	phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	•	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	•	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	•	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene 601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	•	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	•	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0242 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0026%)

Classification of sample: WS27

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

Sample details

Sample name:
WS27
Sample Depth:
0.80 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11		phenanthrene 201-581-5 / 85-01-8		0.06 mg/kg		0.06 mg/kg	0.000006 %		
12		anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13		fluoranthene 205-912-4 / 206-44-0		0.14 mg/kg		0.14 mg/kg	0.000014 %		
14		pyrene 204-927-3 / 129-00-0		0.14 mg/kg		0.14 mg/kg	0.000014 %		
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.11 mg/kg		0.11 mg/kg	0.000011 %		
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.15 mg/kg		0.15 mg/kg	0.000015 %		
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.21 mg/kg		0.21 mg/kg	0.000021 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-032-00-3	200-028-5	50-32-8									
20	◦	indeno[123-cd]pyrene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	◦	benzo[ghi]perylene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			205-883-8	191-24-2									
										Total:	0.00025 %		

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
ND	Not detected

Classification of sample: WS28

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

Sample details

Sample name:	LoW Code:	
WS28	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.30 m	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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		3 mg/kg	1.32	3.961 mg/kg	0.000396 %		
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	5 mg/kg	1.56	7.799 mg/kg	0.0005 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		2.68 mg/kg	1.353	3.627 mg/kg	0.000363 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		18 mg/kg	2.774	49.935 mg/kg	0.00499 %		
12		TPH (C6 to C40) petroleum group TPH		13 mg/kg		13 mg/kg	0.0013 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
17		xylene											
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
18	◦	pH				8.85	pH		8.85	pH	8.85 pH		
				PH									
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	◦	acenaphthylene											
			205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	◦	acenaphthene											
			201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	◦	fluorene											
			201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	◦	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	◦	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
25	◦	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
26	◦	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	◦	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34	◦	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0153 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: WS29

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

Sample details

Sample name:
WS29
Sample Depth:
0.80 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
		CLP index number / EC Number / CAS Number							
1	◦	TPH (C6 to C40) petroleum group TPH		1 mg/kg		1 mg/kg	0.0001 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	◦	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7	◦	pH PH		7.89 pH		7.89 pH	7.89 pH		
8		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
9	◦	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	◦	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	◦	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
12	◦	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
13	◦	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
14	◦	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
15	◦	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
16		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
19		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
20		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
21	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
22		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
23	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

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
ND	Not detected

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

Classification of sample: WS29[2]

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

Sample details

Sample name:
WS29[2]
Sample Depth:
2.40 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
		CLP index number / EC Number / CAS Number							
1	○	TPH (C6 to C40) petroleum group [TPH]		4 mg/kg		4 mg/kg	0.0004 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	○	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
6		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
7		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
8	○	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
9	○	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
10	○	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11	○	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
12	○	anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
13	○	fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
14	○	pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
17		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00046 %		

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
ND	Not detected

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

Classification of sample: WS30

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.00 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.166%)

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.: 0.166%)

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.: 0.166%)

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		61	mg/kg	1.32	80.54	mg/kg	0.00805 %		
2	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 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		**<LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.6	mg/kg	1.142	1.828	mg/kg	0.000183 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11	mg/kg	1.126	12.385	mg/kg	0.00124 %		

#		Determinand	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number									
7		lead { lead chromate }	1	13	mg/kg	1.56	20.278	mg/kg	0.0013 %		
		082-004-00-2 / 231-846-0 / 7758-97-6									
8		mercury { mercury dichloride }		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
		080-010-00-X / 231-299-8 / 7487-94-7									
9		nickel { nickel chromate }		20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
		028-035-00-7 / 238-766-5 / 14721-18-7									
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		034-002-00-8									
11		zinc { zinc chromate }		41	mg/kg	2.774	113.74	mg/kg	0.0114 %		
		024-007-00-3 / 236-878-9 / 13530-65-9									
12		TPH (C6 to C40) petroleum group		1660	mg/kg		1660	mg/kg	0.166 %		
		TPH									
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X / 216-653-1 / 1634-04-4									
14		benzene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8 / 200-753-7 / 71-43-2									
15		toluene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3 / 203-625-9 / 108-88-3									
16		ethylbenzene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4 / 202-849-4 / 100-41-4									
17		xylene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9 / 202-422-2 [1] / 203-396-5 [2] / 203-576-3 [3] / 215-535-7 [4] / 95-47-6 [1] / 106-42-3 [2] / 108-38-3 [3] / 1330-20-7 [4]									
18		pH		8.07	pH		8.07	pH	8.07 pH		
		PH									
19		naphthalene		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2 / 202-049-5 / 91-20-3									
20		acenaphthylene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		205-917-1 / 208-96-8									
21		acenaphthene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-469-6 / 83-32-9									
22		fluorene		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-695-5 / 86-73-7									
23		phenanthrene		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5 / 85-01-8									
24		anthracene		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		204-371-1 / 120-12-7									
25		fluoranthene		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		205-912-4 / 206-44-0									
26		pyrene		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		204-927-3 / 129-00-0									
27		benzo[a]anthracene		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9 / 200-280-6 / 56-55-3									
28		chrysene		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0 / 205-923-4 / 218-01-9									
29		benzo[b]fluoranthene		0.06	mg/kg		0.06	mg/kg	0.000006 %		
		601-034-00-4 / 205-911-9 / 205-99-2									
30		benzo[k]fluoranthene		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5 / 205-916-6 / 207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3 / 200-028-5 / 50-32-8									
32		indeno[123-cd]pyrene		0.04	mg/kg		0.04	mg/kg	0.000004 %		
		205-893-2 / 193-39-5									
33		dibenz[a,h]anthracene		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2 / 200-181-8 / 53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34	▫	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2							
								Total:	0.195 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS31

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS31	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.50 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

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.: 0.11%)

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.: 0.11%)

Determinands

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

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<**LOD**
2	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**
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<**LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<**LOD**
6	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 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
7		lead { lead chromate }			1	8	mg/kg	1.56	12.479	mg/kg	0.0008 %		
		082-004-00-2	231-846-0	7758-97-6									
8		mercury { mercury dichloride }				0.22	mg/kg	1.353	0.298	mg/kg	0.0000298 %		
		080-010-00-X	231-299-8	7487-94-7									
9		nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
		028-035-00-7	238-766-5	14721-18-7									
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		034-002-00-8											
11		zinc { zinc chromate }				30	mg/kg	2.774	83.224	mg/kg	0.00832 %		
		024-007-00-3	236-878-9	13530-65-9									
12		TPH (C6 to C40) petroleum group				1100	mg/kg		1100	mg/kg	0.11 %		
				TPH									
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
14		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			201-469-6	83-32-9									
22		fluorene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			201-695-5	86-73-7									
23		phenanthrene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			201-581-5	85-01-8									
24		anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			204-371-1	120-12-7									
25		fluoranthene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			205-912-4	206-44-0									
26		pyrene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.03	mg/kg		0.03	mg/kg	0.000003 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34	●	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2							
								Total:	0.125 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS31[2]

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS31[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.70 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.107%)

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.: 0.107%)

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.: 0.107%)

Determinands

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

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		**<LOD**
2	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**
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		**<LOD**
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		**<LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		4 mg/kg	1.126	4.504 mg/kg	0.00045 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
7		lead { lead chromate }			1	4	mg/kg	1.56	6.239	mg/kg	0.0004 %		
		082-004-00-2	231-846-0	7758-97-6									
8		mercury { mercury dichloride }				3.69	mg/kg	1.353	4.994	mg/kg	0.000499 %		
		080-010-00-X	231-299-8	7487-94-7									
9		nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
		028-035-00-7	238-766-5	14721-18-7									
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		034-002-00-8											
11		zinc { zinc chromate }				13	mg/kg	2.774	36.064	mg/kg	0.00361 %		
		024-007-00-3	236-878-9	13530-65-9									
12		TPH (C6 to C40) petroleum group				1070	mg/kg		1070	mg/kg	0.107 %		
				TPH									
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
14		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		pH				8.86	pH		8.86	pH	8.86 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			201-469-6	83-32-9									
22		fluorene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			201-695-5	86-73-7									
23		phenanthrene				1.34	mg/kg		1.34	mg/kg	0.000134 %		
			201-581-5	85-01-8									
24		anthracene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
			204-371-1	120-12-7									
25		fluoranthene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
			205-912-4	206-44-0									
26		pyrene				0.48	mg/kg		0.48	mg/kg	0.000048 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34	▫	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2							
								Total:	0.117 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS32

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS32	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.60 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.523%)

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.: 0.523%)

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.: 0.523%)

Determinands

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

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		**<LOD**
2	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**
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %		
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		**<LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
6	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 %		

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
7	lead { lead chromate }			1	3	mg/kg	1.56	4.679	mg/kg	0.0003 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				1.83	mg/kg	1.353	2.477	mg/kg	0.000248 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				36	mg/kg	2.976	107.146	mg/kg	0.0107 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	034-002-00-8											
11	zinc { zinc chromate }				9	mg/kg	2.774	24.967	mg/kg	0.0025 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				5230	mg/kg		5230	mg/kg	0.523 %		
			TPH									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
14	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
15	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
16	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
17	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	pH				8.88	pH		8.88	pH	8.88 pH		
			PH									
19	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
20	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8									
21	acenaphthene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		201-469-6	83-32-9									
22	fluorene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
		201-695-5	86-73-7									
23	phenanthrene				1.26	mg/kg		1.26	mg/kg	0.000126 %		
		201-581-5	85-01-8									
24	anthracene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		204-371-1	120-12-7									
25	fluoranthene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
		205-912-4	206-44-0									
26	pyrene				0.55	mg/kg		0.55	mg/kg	0.000055 %		
		204-927-3	129-00-0									
27	benzo[a]anthracene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
	601-033-00-9	200-280-6	56-55-3									
28	chrysene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
	601-048-00-0	205-923-4	218-01-9									
29	benzo[b]fluoranthene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
	601-034-00-4	205-911-9	205-99-2									
30	benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
31	benzo[a]pyrene; benzo[def]chrysene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
	601-032-00-3	200-028-5	50-32-8									
32	indeno[123-cd]pyrene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
		205-893-2	193-39-5									
33	dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34		benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
			205-883-8	191-24-2							
								Total:	0.539 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS32[2]

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

Sample details

Sample name:
WS32[2]
Sample Depth:
2.40 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	9 mg/kg	1.56	14.038 mg/kg	0.0009 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		2.99 mg/kg	1.353	4.047 mg/kg	0.000405 %		
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
10		selenium { [7] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		25 mg/kg	2.774	69.354 mg/kg	0.00694 %		
12		pH PH		8.55 pH		8.55 pH	8.55 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		0.07 mg/kg		0.07 mg/kg	0.000007 %		
14		acenaphthylene 205-917-1 / 208-96-8		0.06 mg/kg		0.06 mg/kg	0.000006 %		
15		acenaphthene 201-469-6 / 83-32-9		0.27 mg/kg		0.27 mg/kg	0.000027 %		
16		fluorene 201-695-5 / 86-73-7		0.42 mg/kg		0.42 mg/kg	0.000042 %		
17		phenanthrene 201-581-5 / 85-01-8		0.94 mg/kg		0.94 mg/kg	0.000094 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	anthracene	204-371-1	120-12-7		0.23	mg/kg		0.23	mg/kg	0.000023 %		
19	●	fluoranthene	205-912-4	206-44-0		0.86	mg/kg		0.86	mg/kg	0.000086 %		
20	●	pyrene	204-927-3	129-00-0		0.86	mg/kg		0.86	mg/kg	0.000086 %		
21		benzo[a]anthracene	200-280-6	56-55-3		0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-033-00-9											
22		chrysene	205-923-4	218-01-9		0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-048-00-0											
23		benzo[b]fluoranthene	205-911-9	205-99-2		0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-034-00-4											
24		benzo[k]fluoranthene	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5											
25		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-032-00-3											
26	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.13	mg/kg		0.13	mg/kg	0.000013 %		
27		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2											
28	●	benzo[ghi]perylene	205-883-8	191-24-2		0.09	mg/kg		0.09	mg/kg	0.000009 %		
										Total:	0.0145 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HTP1

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

Sample details

Sample name:
HTP1
Sample Depth:
0.50 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
		CLP index number / EC Number / CAS Number									
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		3	mg/kg	1.32	3.961	mg/kg	0.000396 %		
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	8	mg/kg	1.56	12.479	mg/kg	0.0008 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
10		selenium { [7] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		24	mg/kg	2.774	66.58	mg/kg	0.00666 %		
12		pH PH		7.86	pH		7.86	pH	7.86 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
19	●	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20	●	pyrene	204-927-3	129-00-0		0.09	mg/kg		0.09	mg/kg	0.000009 %		
21		benzo[a]anthracene	200-280-6	56-55-3		0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-033-00-9											
22		chrysene	205-923-4	218-01-9		0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-048-00-0											
23		benzo[b]fluoranthene	205-911-9	205-99-2		0.36	mg/kg		0.36	mg/kg	0.000036 %		
		601-034-00-4											
24		benzo[k]fluoranthene	205-916-6	207-08-9		0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-036-00-5											
25		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.32	mg/kg		0.32	mg/kg	0.000032 %		
		601-032-00-3											
26	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.53	mg/kg		0.53	mg/kg	0.000053 %		
27		dibenz[a,h]anthracene	200-181-8	53-70-3		0.13	mg/kg		0.13	mg/kg	0.000013 %		
		601-041-00-2											
28	●	benzo[ghi]perylene	205-883-8	191-24-2		0.59	mg/kg		0.59	mg/kg	0.000059 %		
										Total:	0.0126 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HTP3

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

Sample details

Sample name:
HTP3
Sample Depth:
0.40 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		1 mg/kg	1.126	1.126 mg/kg	0.000113 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	1 mg/kg	1.56	1.56 mg/kg	0.0001 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		2 mg/kg	2.976	5.953 mg/kg	0.000595 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		6 mg/kg	2.774	16.645 mg/kg	0.00166 %		
12		pH PH		8.63 pH		8.63 pH	8.63 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		0.03 mg/kg		0.03 mg/kg	0.000003 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
19	●	fluoranthene	205-912-4	206-44-0		0.08	mg/kg		0.08	mg/kg	0.000008 %		
20	●	pyrene	204-927-3	129-00-0		0.08	mg/kg		0.08	mg/kg	0.000008 %		
21		benzo[a]anthracene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
		601-032-00-3	200-028-5	50-32-8									
26	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.05	mg/kg		0.05	mg/kg	0.000005 %		
27		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
28	●	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.00366 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH1

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

Sample details

Sample name:
BH1
Sample Depth:
0.60 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
		CLP index number	EC Number	CAS Number							
1	◦	pH				8.21 pH		8.21 pH	8.21 pH		
			PH								
								Total:	0%		

Key

	User supplied data
◦	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: SA1

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

Sample details

Sample name:
SA1
Sample Depth:
0.60 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		4 mg/kg	1.32	5.281 mg/kg	0.000528 %		
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		1.8 mg/kg	1.142	2.056 mg/kg	0.000206 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		6 mg/kg	1.126	6.755 mg/kg	0.000676 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	8 mg/kg	1.56	12.479 mg/kg	0.0008 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		23 mg/kg	2.976	68.454 mg/kg	0.00685 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		28 mg/kg	2.774	77.676 mg/kg	0.00777 %		
12		pH PH		9.01 pH		9.01 pH	9.01 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		0.01 mg/kg		0.01 mg/kg	0.000001 %		
16		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
19		fluoranthene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-912-4	206-44-0									
20		pyrene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
			204-927-3	129-00-0									
21		benzo[a]anthracene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-883-8	191-24-2									
										Total:	0.0179 %		

Key

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

Classification of sample: WS1

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

Sample details

Sample name:
WS1
Sample Depth:
1.60 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		1 mg/kg	1.126	1.126 mg/kg	0.000113 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		15 mg/kg	2.976	44.644 mg/kg	0.00446 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		17 mg/kg	2.774	47.16 mg/kg	0.00472 %		
12		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
13		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		xylene 601-022-00-9 / 202-422-2 [1] 203-396-5 [2] / 95-47-6 [1] 106-42-3 [2]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
			203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
17	◦	pH				9.04	pH		9.04	pH	9.04 pH		
				PH									
18		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
19	◦	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
20	◦	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
21	◦	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
22	◦	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
23	◦	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
24	◦	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
25	◦	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
26		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
31	◦	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
33	◦	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0107 %		

Key

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

Classification of sample: WS2

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS2	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.10 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.92%)

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.: 0.92%)

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.: 0.92%)

Determinands

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

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
2	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		2.6 mg/kg	3.22	8.372 mg/kg	0.000837 %		
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		**<LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		10 mg/kg	1.126	11.259 mg/kg	0.00113 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
7		lead { lead chromate }			1	13	mg/kg	1.56	20.278	mg/kg	0.0013 %		
		082-004-00-2	231-846-0	7758-97-6									
8		mercury { mercury dichloride }				<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
9		nickel { nickel chromate }				54	mg/kg	2.976	160.718	mg/kg	0.0161 %		
		028-035-00-7	238-766-5	14721-18-7									
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		034-002-00-8											
11		zinc { zinc chromate }				69	mg/kg	2.774	191.416	mg/kg	0.0191 %		
		024-007-00-3	236-878-9	13530-65-9									
12		TPH (C6 to C40) petroleum group				9200	mg/kg		9200	mg/kg	0.92 %		
				TPH									
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
14		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		pH				8.73	pH		8.73	pH	8.73 pH		
				PH									
19		naphthalene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
			205-917-1	208-96-8									
21		acenaphthene				1.64	mg/kg		1.64	mg/kg	0.000164 %		
			201-469-6	83-32-9									
22		fluorene				1.84	mg/kg		1.84	mg/kg	0.000184 %		
			201-695-5	86-73-7									
23		phenanthrene				6.57	mg/kg		6.57	mg/kg	0.000657 %		
			201-581-5	85-01-8									
24		anthracene				1.47	mg/kg		1.47	mg/kg	0.000147 %		
			204-371-1	120-12-7									
25		fluoranthene				7.14	mg/kg		7.14	mg/kg	0.000714 %		
			205-912-4	206-44-0									
26		pyrene				6.03	mg/kg		6.03	mg/kg	0.000603 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2.48	mg/kg		2.48	mg/kg	0.000248 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				3.26	mg/kg		3.26	mg/kg	0.000326 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				2.22	mg/kg		2.22	mg/kg	0.000222 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				1.62	mg/kg		1.62	mg/kg	0.000162 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
		601-041-00-2	200-181-8	53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34		benzo[ghi]perylene				1.15 mg/kg		1.15 mg/kg	0.000115 %		
			205-883-8	191-24-2							
								Total:	0.964 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS2[2]

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

Sample details

Sample name:
WS2[2]
Sample Depth:
2.40 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
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		5 mg/kg	1.32	6.602 mg/kg	0.00066 %		
2	beryllium { beryllium oxide } 004-003-00-8 / 215-133-1 / 1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		2.4 mg/kg	3.22	7.728 mg/kg	0.000773 %		
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		8 mg/kg	1.126	9.007 mg/kg	0.000901 %		
7	lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	10 mg/kg	1.56	15.598 mg/kg	0.001 %		
8	mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		56 mg/kg	2.976	166.671 mg/kg	0.0167 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		75 mg/kg	2.774	208.061 mg/kg	0.0208 %		
12	TPH (C6 to C40) petroleum group TPH		1 mg/kg		1 mg/kg	0.0001 %		
13	pH PH		8.75 pH		8.75 pH	8.75 pH		
14	naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	phenanthrene											
			201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	●	anthracene											
			204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
20	●	fluoranthene											
			205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
21	●	pyrene											
			204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
22		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
24		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
26		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27	●	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
29	●	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0418 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

Classification of sample: WS3

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

Sample details

Sample name:
WS3
Sample Depth:
0.25 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
		CLP index number / EC Number / CAS Number							
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		1.7 mg/kg	3.22	5.474 mg/kg	0.000547 %		
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		2 mg/kg	1.126	2.252 mg/kg	0.000225 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	7 mg/kg	1.56	10.919 mg/kg	0.0007 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		26 mg/kg	2.976	77.383 mg/kg	0.00774 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		38 mg/kg	2.774	105.418 mg/kg	0.0105 %		
12		pH PH		9.03 pH		9.03 pH	9.03 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	●	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
19	●	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
20	●	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
21		benzo[a]anthracene	200-280-6	56-55-3		0.04	mg/kg		0.04	mg/kg	0.000004 %		
		601-033-00-9											
22		chrysene	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0											
23		benzo[b]fluoranthene	205-911-9	205-99-2		0.09	mg/kg		0.09	mg/kg	0.000009 %		
		601-034-00-4											
24		benzo[k]fluoranthene	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5											
25		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.06	mg/kg		0.06	mg/kg	0.000006 %		
		601-032-00-3											
26	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.08	mg/kg		0.08	mg/kg	0.000008 %		
27		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2											
28	●	benzo[ghi]perylene	205-883-8	191-24-2		0.06	mg/kg		0.06	mg/kg	0.000006 %		
										Total:	0.0207 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS4

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

Sample details

Sample name:
WS4
Sample Depth:
1.80 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
		CLP index number / EC Number / CAS Number									
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1	mg/kg	1.32	<1.32	mg/kg	<0.000132 %		<LOD
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	11	mg/kg	1.56	17.158	mg/kg	0.0011 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		40	mg/kg	2.976	119.051	mg/kg	0.0119 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		55	mg/kg	2.774	152.578	mg/kg	0.0153 %		
12		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
13		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
14		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
15		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		xylene 601-022-00-9 / 202-422-2 [1] 203-396-5 [2] / 95-47-6 [1] 106-42-3 [2]		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
			203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
17	•	pH		PH		9.04	pH		9.04	pH	9.04 pH		
18		naphthalene 601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	•	acenaphthylene	205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
20	•	acenaphthene	201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
21	•	fluorene	201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
22	•	phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23	•	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
24	•	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
25	•	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
26		benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		chrysene 601-048-00-0	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
28		benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
30		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
31	•	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
32		dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
33	•	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0301 %		

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
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS5

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS5	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.60 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

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 Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.125%)

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.: 0.125%)

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.: 0.125%)

Determinands

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

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		**<LOD**
2	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 %		
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		**<LOD**
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		**<LOD**
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		3 mg/kg	1.126	3.378 mg/kg	0.000338 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
7		lead { lead chromate }			1	5	mg/kg	1.56	7.799	mg/kg	0.0005 %		
		082-004-00-2	231-846-0	7758-97-6									
8		mercury { mercury dichloride }				<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
9		nickel { nickel chromate }				31	mg/kg	2.976	92.264	mg/kg	0.00923 %		
		028-035-00-7	238-766-5	14721-18-7									
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		034-002-00-8											
11		zinc { zinc chromate }				38	mg/kg	2.774	105.418	mg/kg	0.0105 %		
		024-007-00-3	236-878-9	13530-65-9									
12		TPH (C6 to C40) petroleum group				1250	mg/kg		1250	mg/kg	0.125 %		
				TPH									
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
14		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		pH				9.15	pH		9.15	pH	9.15 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				0.03	mg/kg		0.03	mg/kg	0.000003 %		
			201-469-6	83-32-9									
22		fluorene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
			201-695-5	86-73-7									
23		phenanthrene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			201-581-5	85-01-8									
24		anthracene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			204-371-1	120-12-7									
25		fluoranthene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			205-912-4	206-44-0									
26		pyrene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
34	▫	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2							
								Total:	0.147 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
	Newer version of determinand available
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS5[2]

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

Sample details

Sample name:
WS5[2]
Sample Depth:
3.90 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
	CLP index number / EC Number / CAS Number							
1	arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	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
3	boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		1 mg/kg	1.126	1.126 mg/kg	0.000113 %		
7	lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
8	mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		24 mg/kg	2.976	71.43 mg/kg	0.00714 %		
10	selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		26 mg/kg	2.774	72.128 mg/kg	0.00721 %		
12	TPH (C6 to C40) petroleum group TPH		13 mg/kg		13 mg/kg	0.0013 %		
13	pH PH		9.1 pH		9.1 pH	9.1 pH		
14	naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17	fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	◦	phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	◦	anthracene	204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
20	◦	fluoranthene	205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
21	◦	pyrene	204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
22		benzo[a]anthracene	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9											
23		chrysene	205-923-4	218-01-9		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0											
24		benzo[b]fluoranthene	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4											
25		benzo[k]fluoranthene	205-916-6	207-08-9		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5											
26		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3											
27	◦	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2											
29	◦	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
										Total:	0.0172 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1%

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: WS6

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

Sample details

Sample name:
WS6
Sample Depth:
0.80 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		<1 mg/kg	1.126	<1.126 mg/kg	<0.000113 %		<LOD
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		14 mg/kg	2.976	41.668 mg/kg	0.00417 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		16 mg/kg	2.774	44.386 mg/kg	0.00444 %		
12		pH PH		9.2 pH		9.2 pH	9.2 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		0.02 mg/kg		0.02 mg/kg	0.000002 %		
15		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		0.01 mg/kg		0.01 mg/kg	0.000001 %		
17		phenanthrene 201-581-5 / 85-01-8		0.21 mg/kg		0.21 mg/kg	0.000021 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
			204-371-1	120-12-7									
19		fluoranthene				0.52	mg/kg		0.52	mg/kg	0.000052 %		
			205-912-4	206-44-0									
20		pyrene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
			204-927-3	129-00-0									
21		benzo[a]anthracene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.36	mg/kg		0.36	mg/kg	0.000036 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				0.32	mg/kg		0.32	mg/kg	0.000032 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			205-883-8	191-24-2									
										Total:	0.0104 %		

Key

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

Classification of sample: WS7

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

Sample details

Sample name:
WS7
Sample Depth:
1.40 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		3 mg/kg	1.32	3.961 mg/kg	0.000396 %		
2		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 %		
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		12 mg/kg	1.126	13.511 mg/kg	0.00135 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	5 mg/kg	1.56	7.799 mg/kg	0.0005 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		29 mg/kg	2.774	80.45 mg/kg	0.00805 %		
12		pH PH		8.01 pH		8.01 pH	8.01 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		0.02 mg/kg		0.02 mg/kg	0.000002 %		
15		acenaphthene 201-469-6 / 83-32-9		0.02 mg/kg		0.02 mg/kg	0.000002 %		
16		fluorene 201-695-5 / 86-73-7		0.02 mg/kg		0.02 mg/kg	0.000002 %		
17		phenanthrene 201-581-5 / 85-01-8		0.28 mg/kg		0.28 mg/kg	0.000028 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18	◦	anthracene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			204-371-1	120-12-7									
19	◦	fluoranthene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
			205-912-4	206-44-0									
20	◦	pyrene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
			204-927-3	129-00-0									
21		benzo[a]anthracene				0.42	mg/kg		0.42	mg/kg	0.000042 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
		601-032-00-3	200-028-5	50-32-8									
26	◦	indeno[123-cd]pyrene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
		601-041-00-2	200-181-8	53-70-3									
28	◦	benzo[ghi]perylene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			205-883-8	191-24-2									
										Total:	0.0177 %		

Key

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

Classification of sample: SA2

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

Sample details

Sample name:
SA2
Sample Depth:
0.70 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 index number / EC Number / CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		1 mg/kg	1.32	1.32 mg/kg	0.000132 %		
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		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 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	1 mg/kg	1.56	1.56 mg/kg	0.0001 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		4 mg/kg	2.976	11.905 mg/kg	0.00119 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		8 mg/kg	2.774	22.193 mg/kg	0.00222 %		
12		pH PH		8.34 pH		8.34 pH	8.34 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		0.09 mg/kg		0.09 mg/kg	0.000009 %		
15		acenaphthene 201-469-6 / 83-32-9		0.11 mg/kg		0.11 mg/kg	0.000011 %		
16		fluorene 201-695-5 / 86-73-7		0.08 mg/kg		0.08 mg/kg	0.000008 %		
17		phenanthrene 201-581-5 / 85-01-8		1.64 mg/kg		1.64 mg/kg	0.000164 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				0.49	mg/kg		0.49	mg/kg	0.000049 %		
			204-371-1	120-12-7									
19		fluoranthene				5.78	mg/kg		5.78	mg/kg	0.000578 %		
			205-912-4	206-44-0									
20		pyrene				5.75	mg/kg		5.75	mg/kg	0.000575 %		
			204-927-3	129-00-0									
21		benzo[a]anthracene				2.74	mg/kg		2.74	mg/kg	0.000274 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				2.89	mg/kg		2.89	mg/kg	0.000289 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				4.35	mg/kg		4.35	mg/kg	0.000435 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				1.61	mg/kg		1.61	mg/kg	0.000161 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				4.17	mg/kg		4.17	mg/kg	0.000417 %		
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				3.48	mg/kg		3.48	mg/kg	0.000348 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.68	mg/kg		0.68	mg/kg	0.000068 %		
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-883-8	191-24-2									
										Total:	0.00914 %		

Key

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

Classification of sample: BH3

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

Sample details

Sample name:	LoW Code:	
BH3	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.00 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number									
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1	mg/kg	1.32	<1.32	mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		4	mg/kg	1.126	4.504	mg/kg	0.00045 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	3	mg/kg	1.56	4.679	mg/kg	0.0003 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		8	mg/kg	2.976	23.81	mg/kg	0.00238 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		17	mg/kg	2.774	47.16	mg/kg	0.00472 %		
12		pH PH		8.01	pH		8.01	pH	8.01 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		0.03	mg/kg		0.03	mg/kg	0.000003 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
19		fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
20		pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
21		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00903 %		

Key

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

Classification of sample: BH4

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

Sample details

Sample name:	LoW Code:	
BH4	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.10 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number									
1		arsenic { arsenic trioxide } 033-003-00-0 / 215-481-4 / 1327-53-3		<1	mg/kg	1.32	<1.32	mg/kg	<0.000132 %		<LOD
2		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
3		boron { diboron trioxide; boric oxide } 005-008-00-8 / 215-125-8 / 1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		3	mg/kg	1.126	3.378	mg/kg	0.000338 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	8	mg/kg	1.56	12.479	mg/kg	0.0008 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		8	mg/kg	2.976	23.81	mg/kg	0.00238 %		
10		selenium { [1] selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		18	mg/kg	2.774	49.935	mg/kg	0.00499 %		
12		pH PH		7.01	pH		7.01	pH	7.01 pH		
13		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
14		acenaphthylene 205-917-1 / 208-96-8		0.03	mg/kg		0.03	mg/kg	0.000003 %		
15		acenaphthene 201-469-6 / 83-32-9		0.02	mg/kg		0.02	mg/kg	0.000002 %		
16		fluorene 201-695-5 / 86-73-7		0.02	mg/kg		0.02	mg/kg	0.000002 %		
17		phenanthrene 201-581-5 / 85-01-8		0.2	mg/kg		0.2	mg/kg	0.00002 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
18		anthracene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			204-371-1	120-12-7									
19		fluoranthene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
			205-912-4	206-44-0									
20		pyrene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
			204-927-3	129-00-0									
21		benzo[a]anthracene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.57	mg/kg		0.57	mg/kg	0.000057 %		
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				0.63	mg/kg		0.63	mg/kg	0.000063 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
			205-883-8	191-24-2									
										Total:	0.0102 %		

Key

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

Classification of sample: BH4[2]

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
BH4[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.10 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

User supplied data

Appendix A: Classifier defined and non CLP determinands

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

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

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

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

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

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

boron {diboron trioxide; boric oxide}

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

cadmium {cadmium oxide}

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

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

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

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

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

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

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc chromate}

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.293.4891.9295 (20 Oct 2021)
HazWasteOnline Database: 2021.293.4891.9295 (20 Oct 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
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 2019 - UK: 2019 No. 720 of 27th March 2019
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
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019